APPENDIX
J-4

ANALYTICAL DATA REPORTS AND

DATA VALIDATION REVIEW MEMOS

November-December 2017

and March 2018

ANALYTICAL REPORT

December 07, 2017

PES Environmental, Inc.- WA

Sample Delivery Group:	L953811
Samples Received:	11/29/2017
Project Number:	1413.001.02.602
Description:	American Linen Project
Site:	1413.001.02.602
Report To:	Bill Haldeman 1215 Fourth Ave., Suite 1350 Seattle, WA 98161

Entire Report Reviewed By: Brian Ford

Brian Ford
Technical Service Representative

12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.esclabsciences.com

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B-224-6 L953811-01 Solid

Collected by	Collected date/time	Received date/time
Karsten Springstead	11/27/17 10:20	11/29/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1048263	1	12/01/17 10:13	12/01/17 10:34	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1048101	1	11/27/17 10:20	12/01/17 02:05	DWR

B-224-11 L953811-02 Solid

Collected by	Collected date/time	Received date/time
Karsten Springstead	11/27/17 10:30	11/29/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1048263	1	12/01/17 10:13	12/01/17 10:34	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1048101	1.54	11/27/17 10:30	12/01/17 02:25	DWR

B-224-16 L953811-03 Solid

Collected by	Collected date/time	Received date/time
Karsten Springstead	11/27/17 10:40	11/29/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1048263	1	12/01/17 10:13	12/01/17 10:34	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1048101	1	11/27/17 10:40	12/01/17 02:44	DWR

B-224-21.5 L953811-04 Solid

Collected by	Collected date/time	Received date/time
Karsten Springstead	11/27/17 10:50	11/29/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1048263	1	12/01/17 10:13	12/01/17 10:34	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1048101	1	11/27/17 10:50	12/01/17 03:03	DWR
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1048101	50	11/27/17 10:50	12/04/17 17:39	ACG

B-224-26 L953811-05 Solid

Collected by	Collected date/time	Received date/time
Karsten Springstead	11/27/17 11:00	11/29/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1048263	1	12/01/17 10:13	12/01/17 10:34	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1048101	1.14	11/27/17 11:00	12/01/17 04:09	DWR
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1048101	112	11/27/17 11:00	12/05/17 09:59	ACG

B-224-31 L953811-06 Solid

Collected by	Collected date/time	Received date/time
Karsten Springstead	11/27/17 11:15	11/29/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1048266	1	12/01/17 10:02	12/01/17 10:11	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1048101	1.08	11/27/17 11:15	12/01/17 04:29	DWR
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1048101	101	11/27/17 11:15	12/04/17 18:28	ACG

B-224-36 L953811-07 Solid

Collected by	Collected date/time	Received date/time
Karsten Springstead	11/27/17 12:00	11/29/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1048266	1	12/01/17 10:02	12/01/17 10:11	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1048101	1	11/27/17 12:00	12/01/17 04:48	DWR
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1048101	100	11/27/17 12:00	12/04/17 19:26	ACG

B-224-60.5 L953811-08 Solid

Collected by	Collected date/time	Received date/time
Karsten Springstead	11/27/17 12:55	11/29/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1048266	1	12/01/17 10:02	12/01/17 10:11	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1048101	1.39	11/27/17 12:55	12/01/17 05:08	DWR

B-225-5 L953811-09 Solid

Collected by	Collected date/time	Received date/time
Karsten Springstead	11/27/17 14:35	11/29/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1048266	1	12/01/17 10:02	12/01/17 10:11	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1048101	1	11/27/17 14:35	12/01/17 05:27	DWR

B-225-11 L953811-10 Solid

Collected by	Collected date/time	Received date/time
Karsten Springstead	11/27/17 14:40	11/29/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1048266	1	12/01/17 10:02	12/01/17 10:11	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1048101	1	11/27/17 14:40	12/01/17 05:47	DWR

B-225-16 L953811-11 Solid

Collected by	Collected date/time	Received date/time
Karsten Springstead	11/27/17 14:50	11/29/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1048266	1	12/01/17 10:02	12/01/17 10:11	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1048101	25	11/27/17 14:50	12/01/17 06:06	DWR

B-225-21 L953811-12 Solid

Collected by	Collected date/time	Received date/time
Karsten Springstead	11/27/17 15:00	11/29/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1048266	1	12/01/17 10:02	12/01/17 10:11	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1048101	25	11/27/17 15:00	12/05/17 13:41	BMB

B-225-26 L953811-13 Solid

Collected by	Collected date/time	Received date/time
Karsten Springstead	11/27/17 15:10	11/29/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1048266	1	12/01/17 10:02	12/01/17 10:11	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1048101	1	11/27/17 15:10	12/01/17 06:45	DWR
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1048101	55.5	11/27/17 15:10	12/04/17 20:07	ACG

B-225-31 L953811-14 Solid

Collected by	Collected date/time	Received date/time
Karsten Springstead	11/27/17 15:20	11/29/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1048266	1	12/01/17 10:02	12/01/17 10:11	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1048101	1	11/27/17 15:20	12/01/17 07:04	DWR
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1048101	25	11/27/17 15:20	12/04/17 20:27	ACG

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

Collected by	Collected date/time	Received date/time
Karsten Springstead	11/27/17 15:30	11/29/17 08:45

B-225-36 L953811-15 Solid

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1048266	1	12/01/17 10:02	12/01/17 10:11	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1048101	1	11/27/17 15:30	12/04/17 17:19	ACG
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1048101	25	11/27/17 15:30	12/05/17 14:02	BMB

Collected by	Collected date/time	Received date/time
Karsten Springstead	11/28/17 09:15	11/29/17 08:45

B-226-6 L953811-16 Solid

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1048267	1	12/01/17 11:22	12/01/17 11:36	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1048101	1	11/28/17 09:15	12/01/17 07:43	DWR

Collected by	Collected date/time	Received date/time
Karsten Springstead	11/28/17 09:25	11/29/17 08:45

B-226-11 L953811-17 Solid

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1048267	1	12/01/17 11:22	12/01/17 11:36	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1048101	1	11/28/17 09:25	12/01/17 08:02	DWR

Collected by	Collected date/time	Received date/time
Karsten Springstead	11/28/17 09:35	11/29/17 08:45

B-226-16 L953811-18 Solid

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1048267	1	12/01/17 11:22	12/01/17 11:36	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1048101	25	11/28/17 09:35	12/01/17 08:22	DWR
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1048101	500	11/28/17 09:35	12/04/17 20:47	ACG

Collected by	Collected date/time	Received date/time
Karsten Springstead	11/28/17 16:00	11/29/17 08:45

B-920-35 L953811-19 Solid

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1048267	1	12/01/17 11:22	12/01/17 11:36	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1048101	1	11/28/17 16:00	12/01/17 08:41	DWR
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1048101	56.5	11/28/17 16:00	12/04/17 21:07	ACG

Collected by	Collected date/time	Received date/time
Karsten Springstead	11/28/17 09:50	11/29/17 08:45

B-226-21 L953811-20 Solid

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1048267	1	12/01/17 11:22	12/01/17 11:36	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1048101	1	11/28/17 09:50	12/01/17 09:01	DWR
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1048101	29	11/28/17 09:50	12/04/17 23:48	ACG

Collected by	Collected date/time	Received date/time
Karsten Springstead	11/28/17 10:05	11/29/17 08:45

B-226-31.5 L953811-21 Solid

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1048267	1	12/01/17 11:22	12/01/17 11:36	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1048471	1	11/28/17 10:05	12/02/17 02:53	LRL
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1048471	50	11/28/17 10:05	12/02/17 15:16	BMB

Collected by	Collected date/time	Received date/time
Karsten Springstead	11/28/17 11:00	11/29/17 08:45

B-226-40 L953811-22 Solid

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1048267	1	12/01/17 11:22	12/01/17 11:36	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1048471	1	11/28/17 11:00	12/02/17 03:13	LRL
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1048471	100	11/28/17 11:00	12/02/17 15:35	BMB

Collected by	Collected date/time	Received date/time
Karsten Springstead	11/27/17 00:00	11/29/17 08:45

TRIPBLANK-112817 L953811-23 GW

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1047838	1	11/30/17 11:59	11/30/17 11:59	DWR

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. All MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All radiochemical sample results for solids are reported on a dry weight basis with the exception of tritium, carbon-14 and radon, unless wet weight was requested by the client. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Brian Ford

Brian Ford
Technical Service Representative

B-224-6

Collected date/time: 11/27/17 10:20

SAMPLE RESULTS - 01

L953811

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	92.5		1	12/01/2017 10:34	WG1048263

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.0135	J	0.0108	0.0541	1	12/01/2017 02:05	WG1048101
Acrylonitrile	U		0.00194	0.0108	1	12/01/2017 02:05	WG1048101
Benzene	U		0.000292	0.00108	1	12/01/2017 02:05	WG1048101
Bromobenzene	U		0.000307	0.00108	1	12/01/2017 02:05	WG1048101
Bromodichloromethane	U		0.000275	0.00108	1	12/01/2017 02:05	WG1048101
Bromochloromethane	U		0.000422	0.00541	1	12/01/2017 02:05	WG1048101
Bromoform	U		0.000459	0.00108	1	12/01/2017 02:05	WG1048101
Bromomethane	U		0.00145	0.00541	1	12/01/2017 02:05	WG1048101
n-Butylbenzene	U		0.000279	0.00108	1	12/01/2017 02:05	WG1048101
sec-Butylbenzene	U		0.000217	0.00108	1	12/01/2017 02:05	WG1048101
tert-Butylbenzene	U		0.000223	0.00108	1	12/01/2017 02:05	WG1048101
Carbon disulfide	U		0.000239	0.00108	1	12/01/2017 02:05	WG1048101
Carbon tetrachloride	U		0.000355	0.00108	1	12/01/2017 02:05	WG1048101
Chlorobenzene	U		0.000229	0.00108	1	12/01/2017 02:05	WG1048101
Chlorodibromomethane	U		0.000403	0.00108	1	12/01/2017 02:05	WG1048101
Chloroethane	U		0.00102	0.00541	1	12/01/2017 02:05	WG1048101
Chloroform	U		0.000248	0.00541	1	12/01/2017 02:05	WG1048101
Chloromethane	U		0.000406	0.00270	1	12/01/2017 02:05	WG1048101
2-Chlorotoluene	U		0.000326	0.00108	1	12/01/2017 02:05	WG1048101
4-Chlorotoluene	U		0.000260	0.00108	1	12/01/2017 02:05	WG1048101
1,2-Dibromo-3-Chloropropane	U		0.00114	0.00541	1	12/01/2017 02:05	WG1048101
1,2-Dibromoethane	U		0.000371	0.00108	1	12/01/2017 02:05	WG1048101
Dibromomethane	U		0.000413	0.00108	1	12/01/2017 02:05	WG1048101
1,2-Dichlorobenzene	U		0.000330	0.00108	1	12/01/2017 02:05	WG1048101
1,3-Dichlorobenzene	U		0.000258	0.00108	1	12/01/2017 02:05	WG1048101
1,4-Dichlorobenzene	U		0.000244	0.00108	1	12/01/2017 02:05	WG1048101
Dichlorodifluoromethane	U		0.000771	0.00541	1	12/01/2017 02:05	WG1048101
1,1-Dichloroethane	U		0.000215	0.00108	1	12/01/2017 02:05	WG1048101
1,2-Dichloroethane	U		0.000287	0.00108	1	12/01/2017 02:05	WG1048101
1,1-Dichloroethene	U		0.000328	0.00108	1	12/01/2017 02:05	WG1048101
cis-1,2-Dichloroethene	0.000624	J	0.000254	0.00108	1	12/01/2017 02:05	WG1048101
trans-1,2-Dichloroethene	U		0.000285	0.00108	1	12/01/2017 02:05	WG1048101
1,2-Dichloropropane	U		0.000387	0.00108	1	12/01/2017 02:05	WG1048101
1,1-Dichloropropene	U		0.000343	0.00108	1	12/01/2017 02:05	WG1048101
1,3-Dichloropropane	U		0.000224	0.00108	1	12/01/2017 02:05	WG1048101
cis-1,3-Dichloropropene	U		0.000283	0.00108	1	12/01/2017 02:05	WG1048101
trans-1,3-Dichloropropene	U		0.000289	0.00108	1	12/01/2017 02:05	WG1048101
trans-1,4-Dichloro-2-butene	U		0.000841	0.00270	1	12/01/2017 02:05	WG1048101
2,2-Dichloropropane	U		0.000302	0.00108	1	12/01/2017 02:05	WG1048101
Di-isopropyl ether	U		0.000268	0.00108	1	12/01/2017 02:05	WG1048101
Ethylbenzene	U		0.000321	0.00108	1	12/01/2017 02:05	WG1048101
Hexachloro-1,3-butadiene	U		0.000370	0.00108	1	12/01/2017 02:05	WG1048101
2-Hexanone	U		0.00148	0.0108	1	12/01/2017 02:05	WG1048101
n-Hexane	0.00142	J	0.000314	0.0108	1	12/01/2017 02:05	WG1048101
Iodomethane	U		0.00274	0.0108	1	12/01/2017 02:05	WG1048101
Isopropylbenzene	U		0.000263	0.00108	1	12/01/2017 02:05	WG1048101
p-Isopropyltoluene	U		0.000221	0.00108	1	12/01/2017 02:05	WG1048101
2-Butanone (MEK)	U		0.00506	0.0108	1	12/01/2017 02:05	WG1048101
Methylene Chloride	U		0.00108	0.00541	1	12/01/2017 02:05	WG1048101
4-Methyl-2-pentanone (MIBK)	U		0.00203	0.0108	1	12/01/2017 02:05	WG1048101

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000229	0.00108	1	12/01/2017 02:05	WG1048101
Naphthalene	U		0.00108	0.00541	1	12/01/2017 02:05	WG1048101
n-Propylbenzene	U		0.000223	0.00108	1	12/01/2017 02:05	WG1048101
Styrene	U		0.000253	0.00108	1	12/01/2017 02:05	WG1048101
1,1,1,2-Tetrachloroethane	U		0.000285	0.00108	1	12/01/2017 02:05	WG1048101
1,1,2,2-Tetrachloroethane	U		0.000395	0.00108	1	12/01/2017 02:05	WG1048101
1,1,2-Trichlorotrifluoroethane	U		0.000395	0.00108	1	12/01/2017 02:05	WG1048101
Tetrachloroethene	0.0208		0.000298	0.00108	1	12/01/2017 02:05	WG1048101
Toluene	U		0.000469	0.00541	1	12/01/2017 02:05	WG1048101
1,2,3-Trichlorobenzene	U		0.000331	0.00108	1	12/01/2017 02:05	WG1048101
1,2,4-Trichlorobenzene	U		0.000420	0.00108	1	12/01/2017 02:05	WG1048101
1,1,1-Trichloroethane	U		0.000309	0.00108	1	12/01/2017 02:05	WG1048101
1,1,2-Trichloroethane	U		0.000300	0.00108	1	12/01/2017 02:05	WG1048101
Trichloroethene	0.00205		0.000302	0.00108	1	12/01/2017 02:05	WG1048101
Trichlorofluoromethane	U		0.000413	0.00541	1	12/01/2017 02:05	WG1048101
1,2,3-Trichloropropane	U		0.000801	0.00270	1	12/01/2017 02:05	WG1048101
1,2,4-Trimethylbenzene	U		0.000228	0.00108	1	12/01/2017 02:05	WG1048101
1,2,3-Trimethylbenzene	U		0.000310	0.00108	1	12/01/2017 02:05	WG1048101
1,3,5-Trimethylbenzene	U		0.000288	0.00108	1	12/01/2017 02:05	WG1048101
Vinyl acetate	U	J0	0.00258	0.0108	1	12/01/2017 02:05	WG1048101
Vinyl chloride	U		0.000315	0.00108	1	12/01/2017 02:05	WG1048101
Xylenes, Total	U		0.000755	0.00324	1	12/01/2017 02:05	WG1048101
(S) Toluene-d8	*99.4*			*80.0-120*		*12/01/2017 02:05*	WG1048101
(S) Dibromofluoromethane	*106*			*74.0-131*		*12/01/2017 02:05*	WG1048101
(S) 4-Bromofluorobenzene	*99.1*			*64.0-132*		*12/01/2017 02:05*	WG1048101

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

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	57.6		1	12/01/2017 10:34	WG1048263

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.0995	J	0.0267	0.134	1.54	12/01/2017 02:25	WG1048101
Acrylonitrile	U		0.00479	0.0267	1.54	12/01/2017 02:25	WG1048101
Benzene	U		0.000722	0.00267	1.54	12/01/2017 02:25	WG1048101
Bromobenzene	U		0.000758	0.00267	1.54	12/01/2017 02:25	WG1048101
Bromodichloromethane	U		0.000678	0.00267	1.54	12/01/2017 02:25	WG1048101
Bromochloromethane	U		0.00104	0.0134	1.54	12/01/2017 02:25	WG1048101
Bromoform	U		0.00113	0.00267	1.54	12/01/2017 02:25	WG1048101
Bromomethane	U		0.00357	0.0134	1.54	12/01/2017 02:25	WG1048101
n-Butylbenzene	U		0.000689	0.00267	1.54	12/01/2017 02:25	WG1048101
sec-Butylbenzene	U		0.000538	0.00267	1.54	12/01/2017 02:25	WG1048101
tert-Butylbenzene	U		0.000550	0.00267	1.54	12/01/2017 02:25	WG1048101
Carbon disulfide	0.0240		0.000590	0.00267	1.54	12/01/2017 02:25	WG1048101
Carbon tetrachloride	U		0.000876	0.00267	1.54	12/01/2017 02:25	WG1048101
Chlorobenzene	U		0.000566	0.00267	1.54	12/01/2017 02:25	WG1048101
Chlorodibromomethane	U		0.000996	0.00267	1.54	12/01/2017 02:25	WG1048101
Chloroethane	U		0.00253	0.0134	1.54	12/01/2017 02:25	WG1048101
Chloroform	U		0.000612	0.0134	1.54	12/01/2017 02:25	WG1048101
Chloromethane	U		0.00100	0.00668	1.54	12/01/2017 02:25	WG1048101
2-Chlorotoluene	U		0.000805	0.00267	1.54	12/01/2017 02:25	WG1048101
4-Chlorotoluene	U		0.000642	0.00267	1.54	12/01/2017 02:25	WG1048101
1,2-Dibromo-3-Chloropropane	U		0.00281	0.0134	1.54	12/01/2017 02:25	WG1048101
1,2-Dibromoethane	U		0.000916	0.00267	1.54	12/01/2017 02:25	WG1048101
Dibromomethane	U		0.00102	0.00267	1.54	12/01/2017 02:25	WG1048101
1,2-Dichlorobenzene	U		0.000815	0.00267	1.54	12/01/2017 02:25	WG1048101
1,3-Dichlorobenzene	U		0.000638	0.00267	1.54	12/01/2017 02:25	WG1048101
1,4-Dichlorobenzene	U		0.000604	0.00267	1.54	12/01/2017 02:25	WG1048101
Dichlorodifluoromethane	U		0.00191	0.0134	1.54	12/01/2017 02:25	WG1048101
1,1-Dichloroethane	U		0.000531	0.00267	1.54	12/01/2017 02:25	WG1048101
1,2-Dichloroethane	U		0.000708	0.00267	1.54	12/01/2017 02:25	WG1048101
1,1-Dichloroethene	0.00251	J	0.000810	0.00267	1.54	12/01/2017 02:25	WG1048101
cis-1,2-Dichloroethene	0.148		0.000628	0.00267	1.54	12/01/2017 02:25	WG1048101
trans-1,2-Dichloroethene	0.0136		0.000704	0.00267	1.54	12/01/2017 02:25	WG1048101
1,2-Dichloropropane	U		0.000956	0.00267	1.54	12/01/2017 02:25	WG1048101
1,1-Dichloropropene	U		0.000847	0.00267	1.54	12/01/2017 02:25	WG1048101
1,3-Dichloropropane	U		0.000553	0.00267	1.54	12/01/2017 02:25	WG1048101
cis-1,3-Dichloropropene	U		0.000699	0.00267	1.54	12/01/2017 02:25	WG1048101
trans-1,3-Dichloropropene	U		0.000713	0.00267	1.54	12/01/2017 02:25	WG1048101
trans-1,4-Dichloro-2-butene	U		0.00208	0.00668	1.54	12/01/2017 02:25	WG1048101
2,2-Dichloropropane	U		0.000746	0.00267	1.54	12/01/2017 02:25	WG1048101
Di-isopropyl ether	U		0.000663	0.00267	1.54	12/01/2017 02:25	WG1048101
Ethylbenzene	U		0.000793	0.00267	1.54	12/01/2017 02:25	WG1048101
Hexachloro-1,3-butadiene	U		0.000914	0.00267	1.54	12/01/2017 02:25	WG1048101
2-Hexanone	U		0.00366	0.0267	1.54	12/01/2017 02:25	WG1048101
n-Hexane	0.0140	J	0.000776	0.0267	1.54	12/01/2017 02:25	WG1048101
Iodomethane	U		0.00677	0.0267	1.54	12/01/2017 02:25	WG1048101
Isopropylbenzene	U		0.000649	0.00267	1.54	12/01/2017 02:25	WG1048101
p-Isopropyltoluene	0.00418		0.000545	0.00267	1.54	12/01/2017 02:25	WG1048101
2-Butanone (MEK)	U		0.0125	0.0267	1.54	12/01/2017 02:25	WG1048101
Methylene Chloride	U		0.00267	0.0134	1.54	12/01/2017 02:25	WG1048101
4-Methyl-2-pentanone (MIBK)	U		0.00503	0.0267	1.54	12/01/2017 02:25	WG1048101

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000566	0.00267	1.54	12/01/2017 02:25	WG1048101
Naphthalene	U		0.00267	0.0134	1.54	12/01/2017 02:25	WG1048101
n-Propylbenzene	U		0.000550	0.00267	1.54	12/01/2017 02:25	WG1048101
Styrene	U		0.000625	0.00267	1.54	12/01/2017 02:25	WG1048101
1,1,1,2-Tetrachloroethane	U		0.000704	0.00267	1.54	12/01/2017 02:25	WG1048101
1,1,2,2-Tetrachloroethane	U		0.000975	0.00267	1.54	12/01/2017 02:25	WG1048101
1,1,2-Trichlorotrifluoroethane	U		0.000975	0.00267	1.54	12/01/2017 02:25	WG1048101
Tetrachloroethene	0.151		0.000737	0.00267	1.54	12/01/2017 02:25	WG1048101
Toluene	0.00174	J	0.00116	0.0134	1.54	12/01/2017 02:25	WG1048101
1,2,3-Trichlorobenzene	U		0.000817	0.00267	1.54	12/01/2017 02:25	WG1048101
1,2,4-Trichlorobenzene	U		0.00104	0.00267	1.54	12/01/2017 02:25	WG1048101
1,1,1-Trichloroethane	U		0.000763	0.00267	1.54	12/01/2017 02:25	WG1048101
1,1,2-Trichloroethane	U		0.000739	0.00267	1.54	12/01/2017 02:25	WG1048101
Trichloroethene	0.0404		0.000746	0.00267	1.54	12/01/2017 02:25	WG1048101
Trichlorofluoromethane	U		0.00102	0.0134	1.54	12/01/2017 02:25	WG1048101
1,2,3-Trichloropropane	U		0.00198	0.00668	1.54	12/01/2017 02:25	WG1048101
1,2,4-Trimethylbenzene	U		0.000564	0.00267	1.54	12/01/2017 02:25	WG1048101
1,2,3-Trimethylbenzene	U		0.000767	0.00267	1.54	12/01/2017 02:25	WG1048101
1,3,5-Trimethylbenzene	U		0.000711	0.00267	1.54	12/01/2017 02:25	WG1048101
Vinyl acetate	U	J0	0.00638	0.0267	1.54	12/01/2017 02:25	WG1048101
Vinyl chloride	0.0577		0.000777	0.00267	1.54	12/01/2017 02:25	WG1048101
Xylenes, Total	U		0.00186	0.00802	1.54	12/01/2017 02:25	WG1048101
(S) Toluene-d8	*95.7*			*80.0-120*		*12/01/2017 02:25*	WG1048101
(S) Dibromofluoromethane	*108*			*74.0-131*		*12/01/2017 02:25*	WG1048101
(S) 4-Bromofluorobenzene	*106*			*64.0-132*		*12/01/2017 02:25*	WG1048101

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	82.7		1	12/01/2017 10:34	WG1048263

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0121	0.0605	1	12/01/2017 02:44	WG1048101
Acrylonitrile	U		0.00216	0.0121	1	12/01/2017 02:44	WG1048101
Benzene	U		0.000326	0.00121	1	12/01/2017 02:44	WG1048101
Bromobenzene	U		0.000343	0.00121	1	12/01/2017 02:44	WG1048101
Bromodichloromethane	U		0.000307	0.00121	1	12/01/2017 02:44	WG1048101
Bromochloromethane	U		0.000472	0.00605	1	12/01/2017 02:44	WG1048101
Bromoform	U		0.000513	0.00121	1	12/01/2017 02:44	WG1048101
Bromomethane	U		0.00162	0.00605	1	12/01/2017 02:44	WG1048101
n-Butylbenzene	U		0.000312	0.00121	1	12/01/2017 02:44	WG1048101
sec-Butylbenzene	U		0.000243	0.00121	1	12/01/2017 02:44	WG1048101
tert-Butylbenzene	U		0.000249	0.00121	1	12/01/2017 02:44	WG1048101
Carbon disulfide	U		0.000267	0.00121	1	12/01/2017 02:44	WG1048101
Carbon tetrachloride	U		0.000397	0.00121	1	12/01/2017 02:44	WG1048101
Chlorobenzene	U		0.000256	0.00121	1	12/01/2017 02:44	WG1048101
Chlorodibromomethane	U		0.000451	0.00121	1	12/01/2017 02:44	WG1048101
Chloroethane	U		0.00114	0.00605	1	12/01/2017 02:44	WG1048101
Chloroform	U		0.000277	0.00605	1	12/01/2017 02:44	WG1048101
Chloromethane	U		0.000453	0.00302	1	12/01/2017 02:44	WG1048101
2-Chlorotoluene	U		0.000364	0.00121	1	12/01/2017 02:44	WG1048101
4-Chlorotoluene	U		0.000290	0.00121	1	12/01/2017 02:44	WG1048101
1,2-Dibromo-3-Chloropropane	U		0.00127	0.00605	1	12/01/2017 02:44	WG1048101
1,2-Dibromoethane	U		0.000415	0.00121	1	12/01/2017 02:44	WG1048101
Dibromomethane	U		0.000462	0.00121	1	12/01/2017 02:44	WG1048101
1,2-Dichlorobenzene	U		0.000369	0.00121	1	12/01/2017 02:44	WG1048101
1,3-Dichlorobenzene	U		0.000289	0.00121	1	12/01/2017 02:44	WG1048101
1,4-Dichlorobenzene	U		0.000273	0.00121	1	12/01/2017 02:44	WG1048101
Dichlorodifluoromethane	U		0.000862	0.00605	1	12/01/2017 02:44	WG1048101
1,1-Dichloroethane	U		0.000241	0.00121	1	12/01/2017 02:44	WG1048101
1,2-Dichloroethane	U		0.000320	0.00121	1	12/01/2017 02:44	WG1048101
1,1-Dichloroethene	U		0.000366	0.00121	1	12/01/2017 02:44	WG1048101
cis-1,2-Dichloroethene	0.0279		0.000284	0.00121	1	12/01/2017 02:44	WG1048101
trans-1,2-Dichloroethene	0.000403	J	0.000319	0.00121	1	12/01/2017 02:44	WG1048101
1,2-Dichloropropane	U		0.000433	0.00121	1	12/01/2017 02:44	WG1048101
1,1-Dichloropropene	U		0.000383	0.00121	1	12/01/2017 02:44	WG1048101
1,3-Dichloropropane	U		0.000250	0.00121	1	12/01/2017 02:44	WG1048101
cis-1,3-Dichloropropene	U		0.000317	0.00121	1	12/01/2017 02:44	WG1048101
trans-1,3-Dichloropropene	U		0.000323	0.00121	1	12/01/2017 02:44	WG1048101
trans-1,4-Dichloro-2-butene	U		0.000941	0.00302	1	12/01/2017 02:44	WG1048101
2,2-Dichloropropane	U		0.000337	0.00121	1	12/01/2017 02:44	WG1048101
Di-isopropyl ether	U		0.000300	0.00121	1	12/01/2017 02:44	WG1048101
Ethylbenzene	U		0.000359	0.00121	1	12/01/2017 02:44	WG1048101
Hexachloro-1,3-butadiene	U		0.000414	0.00121	1	12/01/2017 02:44	WG1048101
2-Hexanone	U		0.00166	0.0121	1	12/01/2017 02:44	WG1048101
n-Hexane	U		0.000351	0.0121	1	12/01/2017 02:44	WG1048101
Iodomethane	U		0.00306	0.0121	1	12/01/2017 02:44	WG1048101
Isopropylbenzene	U		0.000294	0.00121	1	12/01/2017 02:44	WG1048101
p-Isopropyltoluene	U		0.000247	0.00121	1	12/01/2017 02:44	WG1048101
2-Butanone (MEK)	U		0.00566	0.0121	1	12/01/2017 02:44	WG1048101
Methylene Chloride	U		0.00121	0.00605	1	12/01/2017 02:44	WG1048101
4-Methyl-2-pentanone (MIBK)	U		0.00227	0.0121	1	12/01/2017 02:44	WG1048101

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

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000256	0.00121	1	12/01/2017 02:44	WG1048101
Naphthalene	U		0.00121	0.00605	1	12/01/2017 02:44	WG1048101
n-Propylbenzene	U		0.000249	0.00121	1	12/01/2017 02:44	WG1048101
Styrene	U		0.000283	0.00121	1	12/01/2017 02:44	WG1048101
1,1,1,2-Tetrachloroethane	U		0.000319	0.00121	1	12/01/2017 02:44	WG1048101
1,1,2,2-Tetrachloroethane	U		0.000441	0.00121	1	12/01/2017 02:44	WG1048101
1,1,2-Trichlorotrifluoroethane	U		0.000441	0.00121	1	12/01/2017 02:44	WG1048101
Tetrachloroethene	0.0101		0.000334	0.00121	1	12/01/2017 02:44	WG1048101
Toluene	U		0.000525	0.00605	1	12/01/2017 02:44	WG1048101
1,2,3-Trichlorobenzene	U		0.000370	0.00121	1	12/01/2017 02:44	WG1048101
1,2,4-Trichlorobenzene	U		0.000469	0.00121	1	12/01/2017 02:44	WG1048101
1,1,1-Trichloroethane	U		0.000346	0.00121	1	12/01/2017 02:44	WG1048101
1,1,2-Trichloroethane	U		0.000335	0.00121	1	12/01/2017 02:44	WG1048101
Trichloroethene	0.00374		0.000337	0.00121	1	12/01/2017 02:44	WG1048101
Trichlorofluoromethane	U		0.000462	0.00605	1	12/01/2017 02:44	WG1048101
1,2,3-Trichloropropane	U		0.000896	0.00302	1	12/01/2017 02:44	WG1048101
1,2,4-Trimethylbenzene	U		0.000255	0.00121	1	12/01/2017 02:44	WG1048101
1,2,3-Trimethylbenzene	U		0.000347	0.00121	1	12/01/2017 02:44	WG1048101
1,3,5-Trimethylbenzene	U		0.000322	0.00121	1	12/01/2017 02:44	WG1048101
Vinyl acetate	U	J0	0.00289	0.0121	1	12/01/2017 02:44	WG1048101
Vinyl chloride	0.0195		0.000352	0.00121	1	12/01/2017 02:44	WG1048101
Xylenes, Total	U		0.000844	0.00363	1	12/01/2017 02:44	WG1048101
(S) Toluene-d8	*96.7*			*80.0-120*		*12/01/2017 02:44*	WG1048101
(S) Dibromofluoromethane	*110*			*74.0-131*		*12/01/2017 02:44*	WG1048101
(S) 4-Bromofluorobenzene	*96.4*			*64.0-132*		*12/01/2017 02:44*	WG1048101

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	86.1		1	12/01/2017 10:34	WG1048263

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0116	0.0581	1	12/01/2017 03:03	WG1048101
Acrylonitrile	U		0.00208	0.0116	1	12/01/2017 03:03	WG1048101
Benzene	U		0.000313	0.00116	1	12/01/2017 03:03	WG1048101
Bromobenzene	U		0.000330	0.00116	1	12/01/2017 03:03	WG1048101
Bromodichloromethane	U		0.000295	0.00116	1	12/01/2017 03:03	WG1048101
Bromochloromethane	U		0.000453	0.00581	1	12/01/2017 03:03	WG1048101
Bromoform	U		0.000492	0.00116	1	12/01/2017 03:03	WG1048101
Bromomethane	U		0.00156	0.00581	1	12/01/2017 03:03	WG1048101
n-Butylbenzene	U		0.000300	0.00116	1	12/01/2017 03:03	WG1048101
sec-Butylbenzene	U		0.000233	0.00116	1	12/01/2017 03:03	WG1048101
tert-Butylbenzene	U		0.000239	0.00116	1	12/01/2017 03:03	WG1048101
Carbon disulfide	U		0.000257	0.00116	1	12/01/2017 03:03	WG1048101
Carbon tetrachloride	U		0.000381	0.00116	1	12/01/2017 03:03	WG1048101
Chlorobenzene	U		0.000246	0.00116	1	12/01/2017 03:03	WG1048101
Chlorodibromomethane	U		0.000433	0.00116	1	12/01/2017 03:03	WG1048101
Chloroethane	U		0.00110	0.00581	1	12/01/2017 03:03	WG1048101
Chloroform	U		0.000266	0.00581	1	12/01/2017 03:03	WG1048101
Chloromethane	U		0.000435	0.00290	1	12/01/2017 03:03	WG1048101
2-Chlorotoluene	U		0.000349	0.00116	1	12/01/2017 03:03	WG1048101
4-Chlorotoluene	U		0.000279	0.00116	1	12/01/2017 03:03	WG1048101
1,2-Dibromo-3-Chloropropane	U		0.00122	0.00581	1	12/01/2017 03:03	WG1048101
1,2-Dibromoethane	U		0.000398	0.00116	1	12/01/2017 03:03	WG1048101
Dibromomethane	U		0.000444	0.00116	1	12/01/2017 03:03	WG1048101
1,2-Dichlorobenzene	U		0.000354	0.00116	1	12/01/2017 03:03	WG1048101
1,3-Dichlorobenzene	U		0.000277	0.00116	1	12/01/2017 03:03	WG1048101
1,4-Dichlorobenzene	U		0.000262	0.00116	1	12/01/2017 03:03	WG1048101
Dichlorodifluoromethane	U		0.000828	0.00581	1	12/01/2017 03:03	WG1048101
1,1-Dichloroethane	U		0.000231	0.00116	1	12/01/2017 03:03	WG1048101
1,2-Dichloroethane	U		0.000308	0.00116	1	12/01/2017 03:03	WG1048101
1,1-Dichloroethene	0.000717	J	0.000352	0.00116	1	12/01/2017 03:03	WG1048101
cis-1,2-Dichloroethene	0.117		0.000273	0.00116	1	12/01/2017 03:03	WG1048101
trans-1,2-Dichloroethene	0.00140		0.000307	0.00116	1	12/01/2017 03:03	WG1048101
1,2-Dichloropropane	U		0.000416	0.00116	1	12/01/2017 03:03	WG1048101
1,1-Dichloropropene	U		0.000368	0.00116	1	12/01/2017 03:03	WG1048101
1,3-Dichloropropane	U		0.000240	0.00116	1	12/01/2017 03:03	WG1048101
cis-1,3-Dichloropropene	U		0.000304	0.00116	1	12/01/2017 03:03	WG1048101
trans-1,3-Dichloropropene	U		0.000310	0.00116	1	12/01/2017 03:03	WG1048101
trans-1,4-Dichloro-2-butene	U		0.000903	0.00290	1	12/01/2017 03:03	WG1048101
2,2-Dichloropropane	U		0.000324	0.00116	1	12/01/2017 03:03	WG1048101
Di-isopropyl ether	U		0.000288	0.00116	1	12/01/2017 03:03	WG1048101
Ethylbenzene	U		0.000345	0.00116	1	12/01/2017 03:03	WG1048101
Hexachloro-1,3-butadiene	U		0.000397	0.00116	1	12/01/2017 03:03	WG1048101
2-Hexanone	U		0.00159	0.0116	1	12/01/2017 03:03	WG1048101
n-Hexane	U		0.000337	0.0116	1	12/01/2017 03:03	WG1048101
Iodomethane	U		0.00294	0.0116	1	12/01/2017 03:03	WG1048101
Isopropylbenzene	U		0.000282	0.00116	1	12/01/2017 03:03	WG1048101
p-Isopropyltoluene	U		0.000237	0.00116	1	12/01/2017 03:03	WG1048101
2-Butanone (MEK)	U		0.00543	0.0116	1	12/01/2017 03:03	WG1048101
Methylene Chloride	U		0.00116	0.00581	1	12/01/2017 03:03	WG1048101
4-Methyl-2-pentanone (MIBK)	U		0.00218	0.0116	1	12/01/2017 03:03	WG1048101

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000246	0.00116	1	12/01/2017 03:03	WG1048101
Naphthalene	U		0.00116	0.00581	1	12/01/2017 03:03	WG1048101
n-Propylbenzene	U		0.000239	0.00116	1	12/01/2017 03:03	WG1048101
Styrene	U		0.000272	0.00116	1	12/01/2017 03:03	WG1048101
1,1,1,2-Tetrachloroethane	U		0.000307	0.00116	1	12/01/2017 03:03	WG1048101
1,1,2,2-Tetrachloroethane	U		0.000424	0.00116	1	12/01/2017 03:03	WG1048101
1,1,2-Trichlorotrifluoroethane	U		0.000424	0.00116	1	12/01/2017 03:03	WG1048101
Tetrachloroethene	2.71		0.0160	0.0581	50	12/04/2017 17:39	WG1048101
Toluene	U		0.000504	0.00581	1	12/01/2017 03:03	WG1048101
1,2,3-Trichlorobenzene	U		0.000355	0.00116	1	12/01/2017 03:03	WG1048101
1,2,4-Trichlorobenzene	U		0.000450	0.00116	1	12/01/2017 03:03	WG1048101
1,1,1-Trichloroethane	U		0.000332	0.00116	1	12/01/2017 03:03	WG1048101
1,1,2-Trichloroethane	U		0.000322	0.00116	1	12/01/2017 03:03	WG1048101
Trichloroethene	0.0906		0.000324	0.00116	1	12/01/2017 03:03	WG1048101
Trichlorofluoromethane	U		0.000444	0.00581	1	12/01/2017 03:03	WG1048101
1,2,3-Trichloropropane	U		0.000860	0.00290	1	12/01/2017 03:03	WG1048101
1,2,4-Trimethylbenzene	U		0.000245	0.00116	1	12/01/2017 03:03	WG1048101
1,2,3-Trimethylbenzene	U		0.000333	0.00116	1	12/01/2017 03:03	WG1048101
1,3,5-Trimethylbenzene	U		0.000309	0.00116	1	12/01/2017 03:03	WG1048101
Vinyl acetate	U	J0	0.00277	0.0116	1	12/01/2017 03:03	WG1048101
Vinyl chloride	0.00460		0.000338	0.00116	1	12/01/2017 03:03	WG1048101
Xylenes, Total	U		0.000810	0.00348	1	12/01/2017 03:03	WG1048101
(S) Toluene-d8	*106*			*80.0-120*		*12/04/2017 17:39*	WG1048101
(S) Toluene-d8	*97.9*			*80.0-120*		*12/01/2017 03:03*	WG1048101
(S) Dibromofluoromethane	*103*			*74.0-131*		*12/01/2017 03:03*	WG1048101
(S) Dibromofluoromethane	*104*			*74.0-131*		*12/04/2017 17:39*	WG1048101
(S) 4-Bromofluorobenzene	*98.8*			*64.0-132*		*12/01/2017 03:03*	WG1048101
(S) 4-Bromofluorobenzene	*99.3*			*64.0-132*		*12/04/2017 17:39*	WG1048101

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	86.3		1	12/01/2017 10:34	WG1048263

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0132	0.0661	1.14	12/01/2017 04:09	WG1048101
Acrylonitrile	U		0.00236	0.0132	1.14	12/01/2017 04:09	WG1048101
Benzene	U		0.000357	0.00132	1.14	12/01/2017 04:09	WG1048101
Bromobenzene	U		0.000376	0.00132	1.14	12/01/2017 04:09	WG1048101
Bromodichloromethane	U		0.000336	0.00132	1.14	12/01/2017 04:09	WG1048101
Bromochloromethane	U		0.000516	0.00661	1.14	12/01/2017 04:09	WG1048101
Bromoform	U		0.000560	0.00132	1.14	12/01/2017 04:09	WG1048101
Bromomethane	U		0.00177	0.00661	1.14	12/01/2017 04:09	WG1048101
n-Butylbenzene	U		0.000341	0.00132	1.14	12/01/2017 04:09	WG1048101
sec-Butylbenzene	U		0.000265	0.00132	1.14	12/01/2017 04:09	WG1048101
tert-Butylbenzene	U		0.000272	0.00132	1.14	12/01/2017 04:09	WG1048101
Carbon disulfide	U		0.000292	0.00132	1.14	12/01/2017 04:09	WG1048101
Carbon tetrachloride	U		0.000433	0.00132	1.14	12/01/2017 04:09	WG1048101
Chlorobenzene	U		0.000280	0.00132	1.14	12/01/2017 04:09	WG1048101
Chlorodibromomethane	U		0.000493	0.00132	1.14	12/01/2017 04:09	WG1048101
Chloroethane	U		0.00125	0.00661	1.14	12/01/2017 04:09	WG1048101
Chloroform	0.000313	J	0.000303	0.00661	1.14	12/01/2017 04:09	WG1048101
Chloromethane	U		0.000496	0.00330	1.14	12/01/2017 04:09	WG1048101
2-Chlorotoluene	U		0.000398	0.00132	1.14	12/01/2017 04:09	WG1048101
4-Chlorotoluene	U		0.000318	0.00132	1.14	12/01/2017 04:09	WG1048101
1,2-Dibromo-3-Chloropropane	U		0.00139	0.00661	1.14	12/01/2017 04:09	WG1048101
1,2-Dibromoethane	U		0.000453	0.00132	1.14	12/01/2017 04:09	WG1048101
Dibromomethane	U		0.000504	0.00132	1.14	12/01/2017 04:09	WG1048101
1,2-Dichlorobenzene	U		0.000403	0.00132	1.14	12/01/2017 04:09	WG1048101
1,3-Dichlorobenzene	U		0.000315	0.00132	1.14	12/01/2017 04:09	WG1048101
1,4-Dichlorobenzene	U		0.000299	0.00132	1.14	12/01/2017 04:09	WG1048101
Dichlorodifluoromethane	U		0.000942	0.00661	1.14	12/01/2017 04:09	WG1048101
1,1-Dichloroethane	U		0.000263	0.00132	1.14	12/01/2017 04:09	WG1048101
1,2-Dichloroethane	U		0.000350	0.00132	1.14	12/01/2017 04:09	WG1048101
1,1-Dichloroethene	0.00185		0.000400	0.00132	1.14	12/01/2017 04:09	WG1048101
cis-1,2-Dichloroethene	0.289		0.0305	0.130	112	12/05/2017 09:59	WG1048101
trans-1,2-Dichloroethene	0.00329		0.000349	0.00132	1.14	12/01/2017 04:09	WG1048101
1,2-Dichloropropane	U		0.000473	0.00132	1.14	12/01/2017 04:09	WG1048101
1,1-Dichloropropene	U		0.000418	0.00132	1.14	12/01/2017 04:09	WG1048101
1,3-Dichloropropane	U		0.000274	0.00132	1.14	12/01/2017 04:09	WG1048101
cis-1,3-Dichloropropene	U		0.000347	0.00132	1.14	12/01/2017 04:09	WG1048101
trans-1,3-Dichloropropene	U		0.000352	0.00132	1.14	12/01/2017 04:09	WG1048101
trans-1,4-Dichloro-2-butene	U		0.00103	0.00330	1.14	12/01/2017 04:09	WG1048101
2,2-Dichloropropane	U		0.000369	0.00132	1.14	12/01/2017 04:09	WG1048101
Di-isopropyl ether	U		0.000328	0.00132	1.14	12/01/2017 04:09	WG1048101
Ethylbenzene	U		0.000392	0.00132	1.14	12/01/2017 04:09	WG1048101
Hexachloro-1,3-butadiene	U		0.000452	0.00132	1.14	12/01/2017 04:09	WG1048101
2-Hexanone	U		0.00181	0.0132	1.14	12/01/2017 04:09	WG1048101
n-Hexane	U		0.000384	0.0132	1.14	12/01/2017 04:09	WG1048101
Iodomethane	U		0.00334	0.0132	1.14	12/01/2017 04:09	WG1048101
Isopropylbenzene	U		0.000321	0.00132	1.14	12/01/2017 04:09	WG1048101
p-Isopropyltoluene	U		0.000269	0.00132	1.14	12/01/2017 04:09	WG1048101
2-Butanone (MEK)	U		0.00619	0.0132	1.14	12/01/2017 04:09	WG1048101
Methylene Chloride	U		0.00132	0.00661	1.14	12/01/2017 04:09	WG1048101
4-Methyl-2-pentanone (MIBK)	U		0.00248	0.0132	1.14	12/01/2017 04:09	WG1048101

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000280	0.00132	1.14	12/01/2017 04:09	WG1048101
Naphthalene	U		0.00132	0.00661	1.14	12/01/2017 04:09	WG1048101
n-Propylbenzene	U		0.000272	0.00132	1.14	12/01/2017 04:09	WG1048101
Styrene	U		0.000309	0.00132	1.14	12/01/2017 04:09	WG1048101
1,1,1,2-Tetrachloroethane	U		0.000349	0.00132	1.14	12/01/2017 04:09	WG1048101
1,1,2,2-Tetrachloroethane	U		0.000482	0.00132	1.14	12/01/2017 04:09	WG1048101
1,1,2-Trichlorotrifluoroethane	U		0.000482	0.00132	1.14	12/01/2017 04:09	WG1048101
Tetrachloroethene	3.07		0.0358	0.130	112	12/05/2017 09:59	WG1048101
Toluene	U		0.000574	0.00661	1.14	12/01/2017 04:09	WG1048101
1,2,3-Trichlorobenzene	U		0.000405	0.00132	1.14	12/01/2017 04:09	WG1048101
1,2,4-Trichlorobenzene	U		0.000512	0.00132	1.14	12/01/2017 04:09	WG1048101
1,1,1-Trichloroethane	U		0.000378	0.00132	1.14	12/01/2017 04:09	WG1048101
1,1,2-Trichloroethane	U		0.000366	0.00132	1.14	12/01/2017 04:09	WG1048101
Trichloroethene	0.234		0.000369	0.00132	1.14	12/01/2017 04:09	WG1048101
Trichlorofluoromethane	U		0.000504	0.00661	1.14	12/01/2017 04:09	WG1048101
1,2,3-Trichloropropane	U		0.000979	0.00330	1.14	12/01/2017 04:09	WG1048101
1,2,4-Trimethylbenzene	U		0.000278	0.00132	1.14	12/01/2017 04:09	WG1048101
1,2,3-Trimethylbenzene	U		0.000379	0.00132	1.14	12/01/2017 04:09	WG1048101
1,3,5-Trimethylbenzene	U		0.000351	0.00132	1.14	12/01/2017 04:09	WG1048101
Vinyl acetate	U	J0	0.00315	0.0132	1.14	12/01/2017 04:09	WG1048101
Vinyl chloride	0.0154		0.000385	0.00132	1.14	12/01/2017 04:09	WG1048101
Xylenes, Total	U		0.000923	0.00396	1.14	12/01/2017 04:09	WG1048101
(S) Toluene-d8	*106*			*80.0-120*		*12/05/2017 09:59*	WG1048101
(S) Toluene-d8	*96.0*			*80.0-120*		*12/01/2017 04:09*	WG1048101
(S) Dibromofluoromethane	*107*			*74.0-131*		*12/01/2017 04:09*	WG1048101
(S) Dibromofluoromethane	*105*			*74.0-131*		*12/05/2017 09:59*	WG1048101
(S) 4-Bromofluorobenzene	*99.3*			*64.0-132*		*12/01/2017 04:09*	WG1048101
(S) 4-Bromofluorobenzene	*101*			*64.0-132*		*12/05/2017 09:59*	WG1048101

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

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	92.4		1	12/01/2017 10:11	WG1048266

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0117	0.0585	1.08	12/01/2017 04:29	WG1048101
Acrylonitrile	U		0.00209	0.0117	1.08	12/01/2017 04:29	WG1048101
Benzene	U		0.000316	0.00117	1.08	12/01/2017 04:29	WG1048101
Bromobenzene	U		0.000332	0.00117	1.08	12/01/2017 04:29	WG1048101
Bromodichloromethane	U		0.000297	0.00117	1.08	12/01/2017 04:29	WG1048101
Bromochloromethane	U		0.000456	0.00585	1.08	12/01/2017 04:29	WG1048101
Bromoform	U		0.000496	0.00117	1.08	12/01/2017 04:29	WG1048101
Bromomethane	U		0.00157	0.00585	1.08	12/01/2017 04:29	WG1048101
n-Butylbenzene	U		0.000302	0.00117	1.08	12/01/2017 04:29	WG1048101
sec-Butylbenzene	U		0.000235	0.00117	1.08	12/01/2017 04:29	WG1048101
tert-Butylbenzene	U		0.000240	0.00117	1.08	12/01/2017 04:29	WG1048101
Carbon disulfide	U		0.000259	0.00117	1.08	12/01/2017 04:29	WG1048101
Carbon tetrachloride	U		0.000383	0.00117	1.08	12/01/2017 04:29	WG1048101
Chlorobenzene	U		0.000248	0.00117	1.08	12/01/2017 04:29	WG1048101
Chlorodibromomethane	U		0.000436	0.00117	1.08	12/01/2017 04:29	WG1048101
Chloroethane	U		0.00110	0.00585	1.08	12/01/2017 04:29	WG1048101
Chloroform	U		0.000267	0.00585	1.08	12/01/2017 04:29	WG1048101
Chloromethane	U		0.000438	0.00292	1.08	12/01/2017 04:29	WG1048101
2-Chlorotoluene	U		0.000352	0.00117	1.08	12/01/2017 04:29	WG1048101
4-Chlorotoluene	U		0.000280	0.00117	1.08	12/01/2017 04:29	WG1048101
1,2-Dibromo-3-Chloropropane	U		0.00122	0.00585	1.08	12/01/2017 04:29	WG1048101
1,2-Dibromoethane	U		0.000401	0.00117	1.08	12/01/2017 04:29	WG1048101
Dibromomethane	U		0.000446	0.00117	1.08	12/01/2017 04:29	WG1048101
1,2-Dichlorobenzene	U		0.000356	0.00117	1.08	12/01/2017 04:29	WG1048101
1,3-Dichlorobenzene	U		0.000279	0.00117	1.08	12/01/2017 04:29	WG1048101
1,4-Dichlorobenzene	U		0.000264	0.00117	1.08	12/01/2017 04:29	WG1048101
Dichlorodifluoromethane	U		0.000834	0.00585	1.08	12/01/2017 04:29	WG1048101
1,1-Dichloroethane	U		0.000233	0.00117	1.08	12/01/2017 04:29	WG1048101
1,2-Dichloroethane	U		0.000310	0.00117	1.08	12/01/2017 04:29	WG1048101
1,1-Dichloroethene	0.000567	J	0.000354	0.00117	1.08	12/01/2017 04:29	WG1048101
cis-1,2-Dichloroethene	0.207		0.000275	0.00117	1.08	12/01/2017 04:29	WG1048101
trans-1,2-Dichloroethene	0.00128		0.000309	0.00117	1.08	12/01/2017 04:29	WG1048101
1,2-Dichloropropane	U		0.000419	0.00117	1.08	12/01/2017 04:29	WG1048101
1,1-Dichloropropene	U		0.000370	0.00117	1.08	12/01/2017 04:29	WG1048101
1,3-Dichloropropane	U		0.000242	0.00117	1.08	12/01/2017 04:29	WG1048101
cis-1,3-Dichloropropene	U		0.000306	0.00117	1.08	12/01/2017 04:29	WG1048101
trans-1,3-Dichloropropene	U		0.000312	0.00117	1.08	12/01/2017 04:29	WG1048101
trans-1,4-Dichloro-2-butene	U		0.000909	0.00292	1.08	12/01/2017 04:29	WG1048101
2,2-Dichloropropane	U		0.000326	0.00117	1.08	12/01/2017 04:29	WG1048101
Di-isopropyl ether	U		0.000290	0.00117	1.08	12/01/2017 04:29	WG1048101
Ethylbenzene	U		0.000348	0.00117	1.08	12/01/2017 04:29	WG1048101
Hexachloro-1,3-butadiene	U		0.000399	0.00117	1.08	12/01/2017 04:29	WG1048101
2-Hexanone	U		0.00160	0.0117	1.08	12/01/2017 04:29	WG1048101
n-Hexane	0.000354	J	0.000339	0.0117	1.08	12/01/2017 04:29	WG1048101
Iodomethane	U		0.00296	0.0117	1.08	12/01/2017 04:29	WG1048101
Isopropylbenzene	U		0.000284	0.00117	1.08	12/01/2017 04:29	WG1048101
p-Isopropyltoluene	U		0.000238	0.00117	1.08	12/01/2017 04:29	WG1048101
2-Butanone (MEK)	U		0.00547	0.0117	1.08	12/01/2017 04:29	WG1048101
Methylene Chloride	U		0.00117	0.00585	1.08	12/01/2017 04:29	WG1048101
4-Methyl-2-pentanone (MIBK)	U		0.00220	0.0117	1.08	12/01/2017 04:29	WG1048101

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000248	0.00117	1.08	12/01/2017 04:29	WG1048101
Naphthalene	U		0.00117	0.00585	1.08	12/01/2017 04:29	WG1048101
n-Propylbenzene	U		0.000240	0.00117	1.08	12/01/2017 04:29	WG1048101
Styrene	U		0.000274	0.00117	1.08	12/01/2017 04:29	WG1048101
1,1,1,2-Tetrachloroethane	U		0.000309	0.00117	1.08	12/01/2017 04:29	WG1048101
1,1,2,2-Tetrachloroethane	U		0.000427	0.00117	1.08	12/01/2017 04:29	WG1048101
1,1,2-Trichlorotrifluoroethane	U		0.000427	0.00117	1.08	12/01/2017 04:29	WG1048101
Tetrachloroethene	4.71		0.0302	0.109	101	12/04/2017 18:28	WG1048101
Toluene	U		0.000508	0.00585	1.08	12/01/2017 04:29	WG1048101
1,2,3-Trichlorobenzene	U		0.000357	0.00117	1.08	12/01/2017 04:29	WG1048101
1,2,4-Trichlorobenzene	U		0.000454	0.00117	1.08	12/01/2017 04:29	WG1048101
1,1,1-Trichloroethane	U		0.000335	0.00117	1.08	12/01/2017 04:29	WG1048101
1,1,2-Trichloroethane	U		0.000324	0.00117	1.08	12/01/2017 04:29	WG1048101
Trichloroethene	0.137		0.000326	0.00117	1.08	12/01/2017 04:29	WG1048101
Trichlorofluoromethane	U		0.000446	0.00585	1.08	12/01/2017 04:29	WG1048101
1,2,3-Trichloropropane	U		0.000866	0.00292	1.08	12/01/2017 04:29	WG1048101
1,2,4-Trimethylbenzene	U		0.000247	0.00117	1.08	12/01/2017 04:29	WG1048101
1,2,3-Trimethylbenzene	U		0.000336	0.00117	1.08	12/01/2017 04:29	WG1048101
1,3,5-Trimethylbenzene	U		0.000311	0.00117	1.08	12/01/2017 04:29	WG1048101
Vinyl acetate	U	J0	0.00279	0.0117	1.08	12/01/2017 04:29	WG1048101
Vinyl chloride	0.00773		0.000340	0.00117	1.08	12/01/2017 04:29	WG1048101
Xylenes, Total	U		0.000816	0.00351	1.08	12/01/2017 04:29	WG1048101
(S) Toluene-d8	*100*			*80.0-120*		*12/01/2017 04:29*	WG1048101
(S) Toluene-d8	*104*			*80.0-120*		*12/04/2017 18:28*	WG1048101
(S) Dibromofluoromethane	*105*			*74.0-131*		*12/01/2017 04:29*	WG1048101
(S) Dibromofluoromethane	*106*			*74.0-131*		*12/04/2017 18:28*	WG1048101
(S) 4-Bromofluorobenzene	*100*			*64.0-132*		*12/01/2017 04:29*	WG1048101
(S) 4-Bromofluorobenzene	*100*			*64.0-132*		*12/04/2017 18:28*	WG1048101

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

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

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	90.1		1	12/01/2017 10:11	WG1048266

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0111	0.0555	1	12/01/2017 04:48	WG1048101
Acrylonitrile	U		0.00199	0.0111	1	12/01/2017 04:48	WG1048101
Benzene	U		0.000300	0.00111	1	12/01/2017 04:48	WG1048101
Bromobenzene	U		0.000315	0.00111	1	12/01/2017 04:48	WG1048101
Bromodichloromethane	U		0.000282	0.00111	1	12/01/2017 04:48	WG1048101
Bromochloromethane	U		0.000433	0.00555	1	12/01/2017 04:48	WG1048101
Bromoform	U		0.000471	0.00111	1	12/01/2017 04:48	WG1048101
Bromomethane	U		0.00149	0.00555	1	12/01/2017 04:48	WG1048101
n-Butylbenzene	U		0.000286	0.00111	1	12/01/2017 04:48	WG1048101
sec-Butylbenzene	U		0.000223	0.00111	1	12/01/2017 04:48	WG1048101
tert-Butylbenzene	U		0.000229	0.00111	1	12/01/2017 04:48	WG1048101
Carbon disulfide	U		0.000245	0.00111	1	12/01/2017 04:48	WG1048101
Carbon tetrachloride	U		0.000364	0.00111	1	12/01/2017 04:48	WG1048101
Chlorobenzene	U		0.000235	0.00111	1	12/01/2017 04:48	WG1048101
Chlorodibromomethane	U		0.000414	0.00111	1	12/01/2017 04:48	WG1048101
Chloroethane	0.00108	J	0.00105	0.00555	1	12/01/2017 04:48	WG1048101
Chloroform	U		0.000254	0.00555	1	12/01/2017 04:48	WG1048101
Chloromethane	U		0.000416	0.00278	1	12/01/2017 04:48	WG1048101
2-Chlorotoluene	U		0.000334	0.00111	1	12/01/2017 04:48	WG1048101
4-Chlorotoluene	U		0.000267	0.00111	1	12/01/2017 04:48	WG1048101
1,2-Dibromo-3-Chloropropane	U		0.00117	0.00555	1	12/01/2017 04:48	WG1048101
1,2-Dibromoethane	U		0.000381	0.00111	1	12/01/2017 04:48	WG1048101
Dibromomethane	U		0.000424	0.00111	1	12/01/2017 04:48	WG1048101
1,2-Dichlorobenzene	U		0.000339	0.00111	1	12/01/2017 04:48	WG1048101
1,3-Dichlorobenzene	U		0.000265	0.00111	1	12/01/2017 04:48	WG1048101
1,4-Dichlorobenzene	U		0.000251	0.00111	1	12/01/2017 04:48	WG1048101
Dichlorodifluoromethane	U		0.000792	0.00555	1	12/01/2017 04:48	WG1048101
1,1-Dichloroethane	U		0.000221	0.00111	1	12/01/2017 04:48	WG1048101
1,2-Dichloroethane	U		0.000294	0.00111	1	12/01/2017 04:48	WG1048101
1,1-Dichloroethene	0.00141		0.000336	0.00111	1	12/01/2017 04:48	WG1048101
cis-1,2-Dichloroethene	0.326		0.0261	0.111	100	12/04/2017 19:26	WG1048101
trans-1,2-Dichloroethene	0.00289		0.000293	0.00111	1	12/01/2017 04:48	WG1048101
1,2-Dichloropropane	U		0.000398	0.00111	1	12/01/2017 04:48	WG1048101
1,1-Dichloropropene	U		0.000352	0.00111	1	12/01/2017 04:48	WG1048101
1,3-Dichloropropane	U		0.000230	0.00111	1	12/01/2017 04:48	WG1048101
cis-1,3-Dichloropropene	U		0.000291	0.00111	1	12/01/2017 04:48	WG1048101
trans-1,3-Dichloropropene	U		0.000296	0.00111	1	12/01/2017 04:48	WG1048101
trans-1,4-Dichloro-2-butene	U		0.000864	0.00278	1	12/01/2017 04:48	WG1048101
2,2-Dichloropropane	U		0.000310	0.00111	1	12/01/2017 04:48	WG1048101
Di-isopropyl ether	U		0.000275	0.00111	1	12/01/2017 04:48	WG1048101
Ethylbenzene	U		0.000330	0.00111	1	12/01/2017 04:48	WG1048101
Hexachloro-1,3-butadiene	U		0.000380	0.00111	1	12/01/2017 04:48	WG1048101
2-Hexanone	U		0.00152	0.0111	1	12/01/2017 04:48	WG1048101
n-Hexane	0.000529	J	0.000322	0.0111	1	12/01/2017 04:48	WG1048101
Iodomethane	U		0.00281	0.0111	1	12/01/2017 04:48	WG1048101
Isopropylbenzene	U		0.000270	0.00111	1	12/01/2017 04:48	WG1048101
p-Isopropyltoluene	U		0.000227	0.00111	1	12/01/2017 04:48	WG1048101
2-Butanone (MEK)	U		0.00520	0.0111	1	12/01/2017 04:48	WG1048101
Methylene Chloride	U		0.00111	0.00555	1	12/01/2017 04:48	WG1048101
4-Methyl-2-pentanone (MIBK)	U		0.00209	0.0111	1	12/01/2017 04:48	WG1048101

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000235	0.00111	1	12/01/2017 04:48	WG1048101
Naphthalene	U		0.00111	0.00555	1	12/01/2017 04:48	WG1048101
n-Propylbenzene	U		0.000229	0.00111	1	12/01/2017 04:48	WG1048101
Styrene	U		0.000260	0.00111	1	12/01/2017 04:48	WG1048101
1,1,1,2-Tetrachloroethane	U		0.000293	0.00111	1	12/01/2017 04:48	WG1048101
1,1,2,2-Tetrachloroethane	U		0.000405	0.00111	1	12/01/2017 04:48	WG1048101
1,1,2-Trichlorotrifluoroethane	U		0.000405	0.00111	1	12/01/2017 04:48	WG1048101
Tetrachloroethene	6.55		0.0306	0.111	100	12/04/2017 19:26	WG1048101
Toluene	U		0.000482	0.00555	1	12/01/2017 04:48	WG1048101
1,2,3-Trichlorobenzene	U		0.000340	0.00111	1	12/01/2017 04:48	WG1048101
1,2,4-Trichlorobenzene	U		0.000431	0.00111	1	12/01/2017 04:48	WG1048101
1,1,1-Trichloroethane	U		0.000318	0.00111	1	12/01/2017 04:48	WG1048101
1,1,2-Trichloroethane	U		0.000308	0.00111	1	12/01/2017 04:48	WG1048101
Trichloroethene	0.269		0.0310	0.111	100	12/04/2017 19:26	WG1048101
Trichlorofluoromethane	U		0.000424	0.00555	1	12/01/2017 04:48	WG1048101
1,2,3-Trichloropropane	U		0.000823	0.00278	1	12/01/2017 04:48	WG1048101
1,2,4-Trimethylbenzene	U		0.000234	0.00111	1	12/01/2017 04:48	WG1048101
1,2,3-Trimethylbenzene	U		0.000319	0.00111	1	12/01/2017 04:48	WG1048101
1,3,5-Trimethylbenzene	U		0.000295	0.00111	1	12/01/2017 04:48	WG1048101
Vinyl acetate	U	J0	0.00265	0.0111	1	12/01/2017 04:48	WG1048101
Vinyl chloride	0.0255		0.000323	0.00111	1	12/01/2017 04:48	WG1048101
Xylenes, Total	U		0.000775	0.00333	1	12/01/2017 04:48	WG1048101
(S) Toluene-d8	*104*			*80.0-120*		*12/04/2017 19:26*	WG1048101
(S) Toluene-d8	*94.2*			*80.0-120*		*12/01/2017 04:48*	WG1048101
(S) Dibromofluoromethane	*106*			*74.0-131*		*12/01/2017 04:48*	WG1048101
(S) Dibromofluoromethane	*107*			*74.0-131*		*12/04/2017 19:26*	WG1048101
(S) 4-Bromofluorobenzene	*101*			*64.0-132*		*12/01/2017 04:48*	WG1048101
(S) 4-Bromofluorobenzene	*100*			*64.0-132*		*12/04/2017 19:26*	WG1048101

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	85.9		1	12/01/2017 10:11	WG1048266

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0162	0.0809	1.39	12/01/2017 05:08	WG1048101
Acrylonitrile	U		0.00290	0.0162	1.39	12/01/2017 05:08	WG1048101
Benzene	U		0.000436	0.00162	1.39	12/01/2017 05:08	WG1048101
Bromobenzene	U		0.000460	0.00162	1.39	12/01/2017 05:08	WG1048101
Bromodichloromethane	U		0.000411	0.00162	1.39	12/01/2017 05:08	WG1048101
Bromochloromethane	U		0.000631	0.00809	1.39	12/01/2017 05:08	WG1048101
Bromoform	U		0.000685	0.00162	1.39	12/01/2017 05:08	WG1048101
Bromomethane	U		0.00216	0.00809	1.39	12/01/2017 05:08	WG1048101
n-Butylbenzene	U		0.000418	0.00162	1.39	12/01/2017 05:08	WG1048101
sec-Butylbenzene	U		0.000325	0.00162	1.39	12/01/2017 05:08	WG1048101
tert-Butylbenzene	U		0.000333	0.00162	1.39	12/01/2017 05:08	WG1048101
Carbon disulfide	0.000609	J	0.000357	0.00162	1.39	12/01/2017 05:08	WG1048101
Carbon tetrachloride	U		0.000531	0.00162	1.39	12/01/2017 05:08	WG1048101
Chlorobenzene	U		0.000343	0.00162	1.39	12/01/2017 05:08	WG1048101
Chlorodibromomethane	U		0.000603	0.00162	1.39	12/01/2017 05:08	WG1048101
Chloroethane	U		0.00152	0.00809	1.39	12/01/2017 05:08	WG1048101
Chloroform	U		0.000370	0.00809	1.39	12/01/2017 05:08	WG1048101
Chloromethane	U		0.000606	0.00404	1.39	12/01/2017 05:08	WG1048101
2-Chlorotoluene	U		0.000486	0.00162	1.39	12/01/2017 05:08	WG1048101
4-Chlorotoluene	U		0.000389	0.00162	1.39	12/01/2017 05:08	WG1048101
1,2-Dibromo-3-Chloropropane	U		0.00170	0.00809	1.39	12/01/2017 05:08	WG1048101
1,2-Dibromoethane	U		0.000555	0.00162	1.39	12/01/2017 05:08	WG1048101
Dibromomethane	U		0.000618	0.00162	1.39	12/01/2017 05:08	WG1048101
1,2-Dichlorobenzene	U		0.000493	0.00162	1.39	12/01/2017 05:08	WG1048101
1,3-Dichlorobenzene	U		0.000386	0.00162	1.39	12/01/2017 05:08	WG1048101
1,4-Dichlorobenzene	U		0.000365	0.00162	1.39	12/01/2017 05:08	WG1048101
Dichlorodifluoromethane	U		0.00115	0.00809	1.39	12/01/2017 05:08	WG1048101
1,1-Dichloroethane	U		0.000322	0.00162	1.39	12/01/2017 05:08	WG1048101
1,2-Dichloroethane	U		0.000428	0.00162	1.39	12/01/2017 05:08	WG1048101
1,1-Dichloroethene	U		0.000490	0.00162	1.39	12/01/2017 05:08	WG1048101
cis-1,2-Dichloroethene	0.0323		0.000381	0.00162	1.39	12/01/2017 05:08	WG1048101
trans-1,2-Dichloroethene	U		0.000427	0.00162	1.39	12/01/2017 05:08	WG1048101
1,2-Dichloropropane	U		0.000579	0.00162	1.39	12/01/2017 05:08	WG1048101
1,1-Dichloropropene	U		0.000513	0.00162	1.39	12/01/2017 05:08	WG1048101
1,3-Dichloropropane	U		0.000335	0.00162	1.39	12/01/2017 05:08	WG1048101
cis-1,3-Dichloropropene	U		0.000424	0.00162	1.39	12/01/2017 05:08	WG1048101
trans-1,3-Dichloropropene	U		0.000432	0.00162	1.39	12/01/2017 05:08	WG1048101
trans-1,4-Dichloro-2-butene	U		0.00126	0.00404	1.39	12/01/2017 05:08	WG1048101
2,2-Dichloropropane	U		0.000451	0.00162	1.39	12/01/2017 05:08	WG1048101
Di-isopropyl ether	U		0.000401	0.00162	1.39	12/01/2017 05:08	WG1048101
Ethylbenzene	U		0.000481	0.00162	1.39	12/01/2017 05:08	WG1048101
Hexachloro-1,3-butadiene	U		0.000553	0.00162	1.39	12/01/2017 05:08	WG1048101
2-Hexanone	U		0.00221	0.0162	1.39	12/01/2017 05:08	WG1048101
n-Hexane	U		0.000469	0.0162	1.39	12/01/2017 05:08	WG1048101
Iodomethane	U		0.00410	0.0162	1.39	12/01/2017 05:08	WG1048101
Isopropylbenzene	U		0.000393	0.00162	1.39	12/01/2017 05:08	WG1048101
p-Isopropyltoluene	U		0.000330	0.00162	1.39	12/01/2017 05:08	WG1048101
2-Butanone (MEK)	U		0.00756	0.0162	1.39	12/01/2017 05:08	WG1048101
Methylene Chloride	U		0.00162	0.00809	1.39	12/01/2017 05:08	WG1048101
4-Methyl-2-pentanone (MIBK)	U		0.00304	0.0162	1.39	12/01/2017 05:08	WG1048101

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

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000343	0.00162	1.39	12/01/2017 05:08	WG1048101
Naphthalene	U		0.00162	0.00809	1.39	12/01/2017 05:08	WG1048101
n-Propylbenzene	U		0.000333	0.00162	1.39	12/01/2017 05:08	WG1048101
Styrene	U		0.000378	0.00162	1.39	12/01/2017 05:08	WG1048101
1,1,1,2-Tetrachloroethane	U		0.000427	0.00162	1.39	12/01/2017 05:08	WG1048101
1,1,2,2-Tetrachloroethane	U		0.000590	0.00162	1.39	12/01/2017 05:08	WG1048101
1,1,2-Trichlorotrifluoroethane	U		0.000590	0.00162	1.39	12/01/2017 05:08	WG1048101
Tetrachloroethene	0.151		0.000447	0.00162	1.39	12/01/2017 05:08	WG1048101
Toluene	U		0.000702	0.00809	1.39	12/01/2017 05:08	WG1048101
1,2,3-Trichlorobenzene	U		0.000495	0.00162	1.39	12/01/2017 05:08	WG1048101
1,2,4-Trichlorobenzene	U		0.000627	0.00162	1.39	12/01/2017 05:08	WG1048101
1,1,1-Trichloroethane	U		0.000463	0.00162	1.39	12/01/2017 05:08	WG1048101
1,1,2-Trichloroethane	U		0.000448	0.00162	1.39	12/01/2017 05:08	WG1048101
Trichloroethene	0.00944		0.000451	0.00162	1.39	12/01/2017 05:08	WG1048101
Trichlorofluoromethane	U		0.000618	0.00809	1.39	12/01/2017 05:08	WG1048101
1,2,3-Trichloropropane	U		0.00120	0.00404	1.39	12/01/2017 05:08	WG1048101
1,2,4-Trimethylbenzene	U		0.000341	0.00162	1.39	12/01/2017 05:08	WG1048101
1,2,3-Trimethylbenzene	U		0.000464	0.00162	1.39	12/01/2017 05:08	WG1048101
1,3,5-Trimethylbenzene	U		0.000431	0.00162	1.39	12/01/2017 05:08	WG1048101
Vinyl acetate	U	J0	0.00386	0.0162	1.39	12/01/2017 05:08	WG1048101
Vinyl chloride	0.0103		0.000470	0.00162	1.39	12/01/2017 05:08	WG1048101
Xylenes, Total	U		0.00113	0.00485	1.39	12/01/2017 05:08	WG1048101
(S) Toluene-d8	*97.4*			*80.0-120*		*12/01/2017 05:08*	WG1048101
(S) Dibromofluoromethane	*110*			*74.0-131*		*12/01/2017 05:08*	WG1048101
(S) 4-Bromofluorobenzene	*98.0*			*64.0-132*		*12/01/2017 05:08*	WG1048101

B-225-5

Collected date/time: 11/27/17 14:35

SAMPLE RESULTS - 09

L953811

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	92.2		1	12/01/2017 10:11	WG1048266

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0108	0.0542	1	12/01/2017 05:27	WG1048101
Acrylonitrile	U		0.00194	0.0108	1	12/01/2017 05:27	WG1048101
Benzene	U		0.000293	0.00108	1	12/01/2017 05:27	WG1048101
Bromobenzene	U		0.000308	0.00108	1	12/01/2017 05:27	WG1048101
Bromodichloromethane	U		0.000276	0.00108	1	12/01/2017 05:27	WG1048101
Bromochloromethane	U		0.000423	0.00542	1	12/01/2017 05:27	WG1048101
Bromoform	U		0.000460	0.00108	1	12/01/2017 05:27	WG1048101
Bromomethane	U		0.00145	0.00542	1	12/01/2017 05:27	WG1048101
n-Butylbenzene	U		0.000280	0.00108	1	12/01/2017 05:27	WG1048101
sec-Butylbenzene	U		0.000218	0.00108	1	12/01/2017 05:27	WG1048101
tert-Butylbenzene	U		0.000223	0.00108	1	12/01/2017 05:27	WG1048101
Carbon disulfide	U		0.000240	0.00108	1	12/01/2017 05:27	WG1048101
Carbon tetrachloride	U		0.000356	0.00108	1	12/01/2017 05:27	WG1048101
Chlorobenzene	U		0.000230	0.00108	1	12/01/2017 05:27	WG1048101
Chlorodibromomethane	U		0.000405	0.00108	1	12/01/2017 05:27	WG1048101
Chloroethane	U		0.00103	0.00542	1	12/01/2017 05:27	WG1048101
Chloroform	U		0.000248	0.00542	1	12/01/2017 05:27	WG1048101
Chloromethane	U		0.000407	0.00271	1	12/01/2017 05:27	WG1048101
2-Chlorotoluene	U		0.000326	0.00108	1	12/01/2017 05:27	WG1048101
4-Chlorotoluene	U		0.000260	0.00108	1	12/01/2017 05:27	WG1048101
1,2-Dibromo-3-Chloropropane	U		0.00114	0.00542	1	12/01/2017 05:27	WG1048101
1,2-Dibromoethane	U		0.000372	0.00108	1	12/01/2017 05:27	WG1048101
Dibromomethane	U		0.000414	0.00108	1	12/01/2017 05:27	WG1048101
1,2-Dichlorobenzene	U		0.000331	0.00108	1	12/01/2017 05:27	WG1048101
1,3-Dichlorobenzene	U		0.000259	0.00108	1	12/01/2017 05:27	WG1048101
1,4-Dichlorobenzene	U		0.000245	0.00108	1	12/01/2017 05:27	WG1048101
Dichlorodifluoromethane	U		0.000773	0.00542	1	12/01/2017 05:27	WG1048101
1,1-Dichloroethane	U		0.000216	0.00108	1	12/01/2017 05:27	WG1048101
1,2-Dichloroethane	U		0.000287	0.00108	1	12/01/2017 05:27	WG1048101
1,1-Dichloroethene	U		0.000329	0.00108	1	12/01/2017 05:27	WG1048101
cis-1,2-Dichloroethene	0.00217		0.000255	0.00108	1	12/01/2017 05:27	WG1048101
trans-1,2-Dichloroethene	U		0.000286	0.00108	1	12/01/2017 05:27	WG1048101
1,2-Dichloropropane	U		0.000388	0.00108	1	12/01/2017 05:27	WG1048101
1,1-Dichloropropene	U		0.000344	0.00108	1	12/01/2017 05:27	WG1048101
1,3-Dichloropropane	U		0.000225	0.00108	1	12/01/2017 05:27	WG1048101
cis-1,3-Dichloropropene	U		0.000284	0.00108	1	12/01/2017 05:27	WG1048101
trans-1,3-Dichloropropene	U		0.000290	0.00108	1	12/01/2017 05:27	WG1048101
trans-1,4-Dichloro-2-butene	U		0.000844	0.00271	1	12/01/2017 05:27	WG1048101
2,2-Dichloropropane	U		0.000303	0.00108	1	12/01/2017 05:27	WG1048101
Di-isopropyl ether	U		0.000269	0.00108	1	12/01/2017 05:27	WG1048101
Ethylbenzene	U		0.000322	0.00108	1	12/01/2017 05:27	WG1048101
Hexachloro-1,3-butadiene	U		0.000371	0.00108	1	12/01/2017 05:27	WG1048101
2-Hexanone	U		0.00149	0.0108	1	12/01/2017 05:27	WG1048101
n-Hexane	U		0.000315	0.0108	1	12/01/2017 05:27	WG1048101
Iodomethane	U		0.00274	0.0108	1	12/01/2017 05:27	WG1048101
Isopropylbenzene	U		0.000264	0.00108	1	12/01/2017 05:27	WG1048101
p-Isopropyltoluene	U		0.000221	0.00108	1	12/01/2017 05:27	WG1048101
2-Butanone (MEK)	U		0.00508	0.0108	1	12/01/2017 05:27	WG1048101
Methylene Chloride	U		0.00108	0.00542	1	12/01/2017 05:27	WG1048101
4-Methyl-2-pentanone (MIBK)	U		0.00204	0.0108	1	12/01/2017 05:27	WG1048101

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000230	0.00108	1	12/01/2017 05:27	WG1048101
Naphthalene	U		0.00108	0.00542	1	12/01/2017 05:27	WG1048101
n-Propylbenzene	U		0.000223	0.00108	1	12/01/2017 05:27	WG1048101
Styrene	U		0.000254	0.00108	1	12/01/2017 05:27	WG1048101
1,1,1,2-Tetrachloroethane	U		0.000286	0.00108	1	12/01/2017 05:27	WG1048101
1,1,2,2-Tetrachloroethane	U		0.000396	0.00108	1	12/01/2017 05:27	WG1048101
1,1,2-Trichlorotrifluoroethane	U		0.000396	0.00108	1	12/01/2017 05:27	WG1048101
Tetrachloroethene	0.0223		0.000299	0.00108	1	12/01/2017 05:27	WG1048101
Toluene	U		0.000471	0.00542	1	12/01/2017 05:27	WG1048101
1,2,3-Trichlorobenzene	U		0.000332	0.00108	1	12/01/2017 05:27	WG1048101
1,2,4-Trichlorobenzene	U		0.000421	0.00108	1	12/01/2017 05:27	WG1048101
1,1,1-Trichloroethane	U		0.000310	0.00108	1	12/01/2017 05:27	WG1048101
1,1,2-Trichloroethane	U		0.000300	0.00108	1	12/01/2017 05:27	WG1048101
Trichloroethene	0.00239		0.000303	0.00108	1	12/01/2017 05:27	WG1048101
Trichlorofluoromethane	U		0.000414	0.00542	1	12/01/2017 05:27	WG1048101
1,2,3-Trichloropropane	U		0.000804	0.00271	1	12/01/2017 05:27	WG1048101
1,2,4-Trimethylbenzene	U		0.000229	0.00108	1	12/01/2017 05:27	WG1048101
1,2,3-Trimethylbenzene	U		0.000311	0.00108	1	12/01/2017 05:27	WG1048101
1,3,5-Trimethylbenzene	U		0.000289	0.00108	1	12/01/2017 05:27	WG1048101
Vinyl acetate	U	J0	0.00259	0.0108	1	12/01/2017 05:27	WG1048101
Vinyl chloride	U		0.000316	0.00108	1	12/01/2017 05:27	WG1048101
Xylenes, Total	U		0.000757	0.00325	1	12/01/2017 05:27	WG1048101
(S) Toluene-d8	*96.3*			*80.0-120*		*12/01/2017 05:27*	WG1048101
(S) Dibromofluoromethane	*113*			*74.0-131*		*12/01/2017 05:27*	WG1048101
(S) 4-Bromofluorobenzene	*93.6*			*64.0-132*		*12/01/2017 05:27*	WG1048101

B-225-11

Collected date/time: 11/27/17 14:40

SAMPLE RESULTS - 10

L953811

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

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	85.5		1	12/01/2017 10:11	WG1048266

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0117	0.0585	1	12/01/2017 05:47	WG1048101
Acrylonitrile	U		0.00209	0.0117	1	12/01/2017 05:47	WG1048101
Benzene	U		0.000316	0.00117	1	12/01/2017 05:47	WG1048101
Bromobenzene	U		0.000332	0.00117	1	12/01/2017 05:47	WG1048101
Bromodichloromethane	U		0.000297	0.00117	1	12/01/2017 05:47	WG1048101
Bromochloromethane	U		0.000456	0.00585	1	12/01/2017 05:47	WG1048101
Bromoform	U		0.000496	0.00117	1	12/01/2017 05:47	WG1048101
Bromomethane	U		0.00157	0.00585	1	12/01/2017 05:47	WG1048101
n-Butylbenzene	U		0.000302	0.00117	1	12/01/2017 05:47	WG1048101
sec-Butylbenzene	U		0.000235	0.00117	1	12/01/2017 05:47	WG1048101
tert-Butylbenzene	U		0.000241	0.00117	1	12/01/2017 05:47	WG1048101
Carbon disulfide	U		0.000259	0.00117	1	12/01/2017 05:47	WG1048101
Carbon tetrachloride	U		0.000384	0.00117	1	12/01/2017 05:47	WG1048101
Chlorobenzene	U		0.000248	0.00117	1	12/01/2017 05:47	WG1048101
Chlorodibromomethane	U		0.000436	0.00117	1	12/01/2017 05:47	WG1048101
Chloroethane	U		0.00111	0.00585	1	12/01/2017 05:47	WG1048101
Chloroform	U		0.000268	0.00585	1	12/01/2017 05:47	WG1048101
Chloromethane	U		0.000439	0.00292	1	12/01/2017 05:47	WG1048101
2-Chlorotoluene	U		0.000352	0.00117	1	12/01/2017 05:47	WG1048101
4-Chlorotoluene	U		0.000281	0.00117	1	12/01/2017 05:47	WG1048101
1,2-Dibromo-3-Chloropropane	U		0.00123	0.00585	1	12/01/2017 05:47	WG1048101
1,2-Dibromoethane	U		0.000401	0.00117	1	12/01/2017 05:47	WG1048101
Dibromomethane	U		0.000447	0.00117	1	12/01/2017 05:47	WG1048101
1,2-Dichlorobenzene	U		0.000357	0.00117	1	12/01/2017 05:47	WG1048101
1,3-Dichlorobenzene	U		0.000280	0.00117	1	12/01/2017 05:47	WG1048101
1,4-Dichlorobenzene	U		0.000264	0.00117	1	12/01/2017 05:47	WG1048101
Dichlorodifluoromethane	U		0.000834	0.00585	1	12/01/2017 05:47	WG1048101
1,1-Dichloroethane	U		0.000233	0.00117	1	12/01/2017 05:47	WG1048101
1,2-Dichloroethane	U		0.000310	0.00117	1	12/01/2017 05:47	WG1048101
1,1-Dichloroethene	U		0.000354	0.00117	1	12/01/2017 05:47	WG1048101
cis-1,2-Dichloroethene	0.0222		0.000275	0.00117	1	12/01/2017 05:47	WG1048101
trans-1,2-Dichloroethene	U		0.000309	0.00117	1	12/01/2017 05:47	WG1048101
1,2-Dichloropropane	U		0.000419	0.00117	1	12/01/2017 05:47	WG1048101
1,1-Dichloropropene	U		0.000371	0.00117	1	12/01/2017 05:47	WG1048101
1,3-Dichloropropane	U		0.000242	0.00117	1	12/01/2017 05:47	WG1048101
cis-1,3-Dichloropropene	U		0.000306	0.00117	1	12/01/2017 05:47	WG1048101
trans-1,3-Dichloropropene	U		0.000312	0.00117	1	12/01/2017 05:47	WG1048101
trans-1,4-Dichloro-2-butene	U		0.000910	0.00292	1	12/01/2017 05:47	WG1048101
2,2-Dichloropropane	U		0.000326	0.00117	1	12/01/2017 05:47	WG1048101
Di-isopropyl ether	U		0.000290	0.00117	1	12/01/2017 05:47	WG1048101
Ethylbenzene	U		0.000347	0.00117	1	12/01/2017 05:47	WG1048101
Hexachloro-1,3-butadiene	U		0.000400	0.00117	1	12/01/2017 05:47	WG1048101
2-Hexanone	U		0.00160	0.0117	1	12/01/2017 05:47	WG1048101
n-Hexane	U		0.000339	0.0117	1	12/01/2017 05:47	WG1048101
Iodomethane	U		0.00296	0.0117	1	12/01/2017 05:47	WG1048101
Isopropylbenzene	U		0.000284	0.00117	1	12/01/2017 05:47	WG1048101
p-Isopropyltoluene	U		0.000239	0.00117	1	12/01/2017 05:47	WG1048101
2-Butanone (MEK)	U		0.00547	0.0117	1	12/01/2017 05:47	WG1048101
Methylene Chloride	U		0.00117	0.00585	1	12/01/2017 05:47	WG1048101
4-Methyl-2-pentanone (MIBK)	U		0.00220	0.0117	1	12/01/2017 05:47	WG1048101

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000248	0.00117	1	12/01/2017 05:47	WG1048101
Naphthalene	U		0.00117	0.00585	1	12/01/2017 05:47	WG1048101
n-Propylbenzene	U		0.000241	0.00117	1	12/01/2017 05:47	WG1048101
Styrene	U		0.000274	0.00117	1	12/01/2017 05:47	WG1048101
1,1,1,2-Tetrachloroethane	U		0.000309	0.00117	1	12/01/2017 05:47	WG1048101
1,1,2,2-Tetrachloroethane	U		0.000427	0.00117	1	12/01/2017 05:47	WG1048101
1,1,2-Trichlorotrifluoroethane	U		0.000427	0.00117	1	12/01/2017 05:47	WG1048101
Tetrachloroethene	0.0124		0.000323	0.00117	1	12/01/2017 05:47	WG1048101
Toluene	U		0.000508	0.00585	1	12/01/2017 05:47	WG1048101
1,2,3-Trichlorobenzene	U		0.000358	0.00117	1	12/01/2017 05:47	WG1048101
1,2,4-Trichlorobenzene	U		0.000454	0.00117	1	12/01/2017 05:47	WG1048101
1,1,1-Trichloroethane	U		0.000335	0.00117	1	12/01/2017 05:47	WG1048101
1,1,2-Trichloroethane	U		0.000324	0.00117	1	12/01/2017 05:47	WG1048101
Trichloroethene	0.00394		0.000326	0.00117	1	12/01/2017 05:47	WG1048101
Trichlorofluoromethane	U		0.000447	0.00585	1	12/01/2017 05:47	WG1048101
1,2,3-Trichloropropane	U		0.000867	0.00292	1	12/01/2017 05:47	WG1048101
1,2,4-Trimethylbenzene	U		0.000247	0.00117	1	12/01/2017 05:47	WG1048101
1,2,3-Trimethylbenzene	U		0.000336	0.00117	1	12/01/2017 05:47	WG1048101
1,3,5-Trimethylbenzene	U		0.000311	0.00117	1	12/01/2017 05:47	WG1048101
Vinyl acetate	U	J0	0.00280	0.0117	1	12/01/2017 05:47	WG1048101
Vinyl chloride	0.000480	J	0.000340	0.00117	1	12/01/2017 05:47	WG1048101
Xylenes, Total	U		0.000816	0.00351	1	12/01/2017 05:47	WG1048101
(S) Toluene-d8	*98.7*			*80.0-120*		*12/01/2017 05:47*	WG1048101
(S) Dibromofluoromethane	*104*			*74.0-131*		*12/01/2017 05:47*	WG1048101
(S) 4-Bromofluorobenzene	*99.0*			*64.0-132*		*12/01/2017 05:47*	WG1048101

Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch
Analyte	%			date / time	
Total Solids	85.0		1	12/01/2017 10:11	WG1048266

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

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.294	1.47	25	12/01/2017 06:06	WG1048101
Acrylonitrile	U		0.0527	0.294	25	12/01/2017 06:06	WG1048101
Benzene	U		0.00794	0.0294	25	12/01/2017 06:06	WG1048101
Bromobenzene	U		0.00835	0.0294	25	12/01/2017 06:06	WG1048101
Bromodichloromethane	U		0.00747	0.0294	25	12/01/2017 06:06	WG1048101
Bromochloromethane	U		0.0115	0.147	25	12/01/2017 06:06	WG1048101
Bromoform	U		0.0125	0.0294	25	12/01/2017 06:06	WG1048101
Bromomethane	U		0.0394	0.147	25	12/01/2017 06:06	WG1048101
n-Butylbenzene	U		0.00759	0.0294	25	12/01/2017 06:06	WG1048101
sec-Butylbenzene	U		0.00591	0.0294	25	12/01/2017 06:06	WG1048101
tert-Butylbenzene	U		0.00606	0.0294	25	12/01/2017 06:06	WG1048101
Carbon disulfide	U		0.00649	0.0294	25	12/01/2017 06:06	WG1048101
Carbon tetrachloride	U		0.00965	0.0294	25	12/01/2017 06:06	WG1048101
Chlorobenzene	U		0.00623	0.0294	25	12/01/2017 06:06	WG1048101
Chlorodibromomethane	U		0.0110	0.0294	25	12/01/2017 06:06	WG1048101
Chloroethane	U		0.0278	0.147	25	12/01/2017 06:06	WG1048101
Chloroform	U		0.00673	0.147	25	12/01/2017 06:06	WG1048101
Chloromethane	U		0.0110	0.0735	25	12/01/2017 06:06	WG1048101
2-Chlorotoluene	U		0.00885	0.0294	25	12/01/2017 06:06	WG1048101
4-Chlorotoluene	U		0.00706	0.0294	25	12/01/2017 06:06	WG1048101
1,2-Dibromo-3-Chloropropane	U		0.0308	0.147	25	12/01/2017 06:06	WG1048101
1,2-Dibromoethane	U		0.0101	0.0294	25	12/01/2017 06:06	WG1048101
Dibromomethane	U		0.0112	0.0294	25	12/01/2017 06:06	WG1048101
1,2-Dichlorobenzene	U		0.00896	0.0294	25	12/01/2017 06:06	WG1048101
1,3-Dichlorobenzene	U		0.00703	0.0294	25	12/01/2017 06:06	WG1048101
1,4-Dichlorobenzene	U		0.00665	0.0294	25	12/01/2017 06:06	WG1048101
Dichlorodifluoromethane	U		0.0209	0.147	25	12/01/2017 06:06	WG1048101
1,1-Dichloroethane	U		0.00586	0.0294	25	12/01/2017 06:06	WG1048101
1,2-Dichloroethane	U		0.00779	0.0294	25	12/01/2017 06:06	WG1048101
1,1-Dichloroethene	U		0.00892	0.0294	25	12/01/2017 06:06	WG1048101
cis-1,2-Dichloroethene	1.62		0.00692	0.0294	25	12/01/2017 06:06	WG1048101
trans-1,2-Dichloroethene	U		0.00776	0.0294	25	12/01/2017 06:06	WG1048101
1,2-Dichloropropane	U		0.0105	0.0294	25	12/01/2017 06:06	WG1048101
1,1-Dichloropropene	U		0.00932	0.0294	25	12/01/2017 06:06	WG1048101
1,3-Dichloropropane	U		0.00609	0.0294	25	12/01/2017 06:06	WG1048101
cis-1,3-Dichloropropene	U		0.00771	0.0294	25	12/01/2017 06:06	WG1048101
trans-1,3-Dichloropropene	U		0.00786	0.0294	25	12/01/2017 06:06	WG1048101
trans-1,4-Dichloro-2-butene	U		0.0228	0.0735	25	12/01/2017 06:06	WG1048101
2,2-Dichloropropane	U		0.00821	0.0294	25	12/01/2017 06:06	WG1048101
Di-isopropyl ether	U		0.00729	0.0294	25	12/01/2017 06:06	WG1048101
Ethylbenzene	U		0.00873	0.0294	25	12/01/2017 06:06	WG1048101
Hexachloro-1,3-butadiene	U		0.0101	0.0294	25	12/01/2017 06:06	WG1048101
2-Hexanone	U		0.0402	0.294	25	12/01/2017 06:06	WG1048101
n-Hexane	U		0.00853	0.294	25	12/01/2017 06:06	WG1048101
Iodomethane	U		0.0743	0.294	25	12/01/2017 06:06	WG1048101
Isopropylbenzene	U		0.00715	0.0294	25	12/01/2017 06:06	WG1048101
p-Isopropyltoluene	U		0.00600	0.0294	25	12/01/2017 06:06	WG1048101
2-Butanone (MEK)	U		0.138	0.294	25	12/01/2017 06:06	WG1048101
Methylene Chloride	U		0.0294	0.147	25	12/01/2017 06:06	WG1048101
4-Methyl-2-pentanone (MIBK)	U		0.0553	0.294	25	12/01/2017 06:06	WG1048101

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.00623	0.0294	25	12/01/2017 06:06	WG1048101
Naphthalene	U		0.0294	0.147	25	12/01/2017 06:06	WG1048101
n-Propylbenzene	U		0.00606	0.0294	25	12/01/2017 06:06	WG1048101
Styrene	U		0.00688	0.0294	25	12/01/2017 06:06	WG1048101
1,1,1,2-Tetrachloroethane	U		0.00776	0.0294	25	12/01/2017 06:06	WG1048101
1,1,2,2-Tetrachloroethane	U		0.0107	0.0294	25	12/01/2017 06:06	WG1048101
1,1,2-Trichlorotrifluoroethane	U		0.0107	0.0294	25	12/01/2017 06:06	WG1048101
Tetrachloroethene	4.26	V	0.00812	0.0294	25	12/01/2017 06:06	WG1048101
Toluene	U		0.0127	0.147	25	12/01/2017 06:06	WG1048101
1,2,3-Trichlorobenzene	U		0.00900	0.0294	25	12/01/2017 06:06	WG1048101
1,2,4-Trichlorobenzene	U		0.0114	0.0294	25	12/01/2017 06:06	WG1048101
1,1,1-Trichloroethane	U		0.00841	0.0294	25	12/01/2017 06:06	WG1048101
1,1,2-Trichloroethane	U		0.00814	0.0294	25	12/01/2017 06:06	WG1048101
Trichloroethene	0.353		0.00821	0.0294	25	12/01/2017 06:06	WG1048101
Trichlorofluoromethane	U		0.0112	0.147	25	12/01/2017 06:06	WG1048101
1,2,3-Trichloropropane	U		0.0218	0.0735	25	12/01/2017 06:06	WG1048101
1,2,4-Trimethylbenzene	U		0.00621	0.0294	25	12/01/2017 06:06	WG1048101
1,2,3-Trimethylbenzene	U		0.00845	0.0294	25	12/01/2017 06:06	WG1048101
1,3,5-Trimethylbenzene	U		0.00782	0.0294	25	12/01/2017 06:06	WG1048101
Vinyl acetate	U	J0	0.0703	0.294	25	12/01/2017 06:06	WG1048101
Vinyl chloride	0.0460		0.00856	0.0294	25	12/01/2017 06:06	WG1048101
Xylenes, Total	U		0.0205	0.0882	25	12/01/2017 06:06	WG1048101
(S) Toluene-d8	*103*			*80.0-120*		*12/01/2017 06:06*	WG1048101
(S) Dibromofluoromethane	*98.3*			*74.0-131*		*12/01/2017 06:06*	WG1048101
(S) 4-Bromofluorobenzene	*100*			*64.0-132*		*12/01/2017 06:06*	WG1048101

Sample Narrative:

L953811-11 WG1048101: Cannot be analyzed at a lower dilution due to high levels of target analytes.

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	88.0		1	12/01/2017 10:11	WG1048266

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.284	1.42	25	12/05/2017 13:41	WG1048101
Acrylonitrile	U		0.0509	0.284	25	12/05/2017 13:41	WG1048101
Benzene	U		0.00767	0.0284	25	12/05/2017 13:41	WG1048101
Bromobenzene	U		0.00807	0.0284	25	12/05/2017 13:41	WG1048101
Bromodichloromethane	U		0.00722	0.0284	25	12/05/2017 13:41	WG1048101
Bromochloromethane	U		0.0111	0.142	25	12/05/2017 13:41	WG1048101
Bromoform	U		0.0121	0.0284	25	12/05/2017 13:41	WG1048101
Bromomethane	U		0.0381	0.142	25	12/05/2017 13:41	WG1048101
n-Butylbenzene	U		0.00733	0.0284	25	12/05/2017 13:41	WG1048101
sec-Butylbenzene	U		0.00571	0.0284	25	12/05/2017 13:41	WG1048101
tert-Butylbenzene	U		0.00585	0.0284	25	12/05/2017 13:41	WG1048101
Carbon disulfide	U		0.00628	0.0284	25	12/05/2017 13:41	WG1048101
Carbon tetrachloride	U		0.00932	0.0284	25	12/05/2017 13:41	WG1048101
Chlorobenzene	U		0.00603	0.0284	25	12/05/2017 13:41	WG1048101
Chlorodibromomethane	U		0.0106	0.0284	25	12/05/2017 13:41	WG1048101
Chloroethane	U		0.0268	0.142	25	12/05/2017 13:41	WG1048101
Chloroform	U		0.00650	0.142	25	12/05/2017 13:41	WG1048101
Chloromethane	U		0.0107	0.0711	25	12/05/2017 13:41	WG1048101
2-Chlorotoluene	U		0.00855	0.0284	25	12/05/2017 13:41	WG1048101
4-Chlorotoluene	U		0.00682	0.0284	25	12/05/2017 13:41	WG1048101
1,2-Dibromo-3-Chloropropane	U		0.0298	0.142	25	12/05/2017 13:41	WG1048101
1,2-Dibromoethane	U		0.00975	0.0284	25	12/05/2017 13:41	WG1048101
Dibromomethane	U		0.0109	0.0284	25	12/05/2017 13:41	WG1048101
1,2-Dichlorobenzene	U		0.00866	0.0284	25	12/05/2017 13:41	WG1048101
1,3-Dichlorobenzene	U		0.00680	0.0284	25	12/05/2017 13:41	WG1048101
1,4-Dichlorobenzene	U		0.00642	0.0284	25	12/05/2017 13:41	WG1048101
Dichlorodifluoromethane	U		0.0202	0.142	25	12/05/2017 13:41	WG1048101
1,1-Dichloroethane	U		0.00566	0.0284	25	12/05/2017 13:41	WG1048101
1,2-Dichloroethane	U		0.00753	0.0284	25	12/05/2017 13:41	WG1048101
1,1-Dichloroethene	U		0.00862	0.0284	25	12/05/2017 13:41	WG1048101
cis-1,2-Dichloroethene	0.0455		0.00668	0.0284	25	12/05/2017 13:41	WG1048101
trans-1,2-Dichloroethene	U		0.00750	0.0284	25	12/05/2017 13:41	WG1048101
1,2-Dichloropropane	U		0.0102	0.0284	25	12/05/2017 13:41	WG1048101
1,1-Dichloropropene	U		0.00900	0.0284	25	12/05/2017 13:41	WG1048101
1,3-Dichloropropane	U		0.00589	0.0284	25	12/05/2017 13:41	WG1048101
cis-1,3-Dichloropropene	U		0.00745	0.0284	25	12/05/2017 13:41	WG1048101
trans-1,3-Dichloropropene	U		0.00759	0.0284	25	12/05/2017 13:41	WG1048101
trans-1,4-Dichloro-2-butene	U		0.0221	0.0711	25	12/05/2017 13:41	WG1048101
2,2-Dichloropropane	U		0.00794	0.0284	25	12/05/2017 13:41	WG1048101
Di-isopropyl ether	U		0.00705	0.0284	25	12/05/2017 13:41	WG1048101
Ethylbenzene	U		0.00844	0.0284	25	12/05/2017 13:41	WG1048101
Hexachloro-1,3-butadiene	U		0.00972	0.0284	25	12/05/2017 13:41	WG1048101
2-Hexanone	U		0.0389	0.284	25	12/05/2017 13:41	WG1048101
n-Hexane	U		0.00824	0.284	25	12/05/2017 13:41	WG1048101
Iodomethane	U		0.0718	0.284	25	12/05/2017 13:41	WG1048101
Isopropylbenzene	U		0.00691	0.0284	25	12/05/2017 13:41	WG1048101
p-Isopropyltoluene	U		0.00580	0.0284	25	12/05/2017 13:41	WG1048101
2-Butanone (MEK)	U		0.133	0.284	25	12/05/2017 13:41	WG1048101
Methylene Chloride	U		0.0284	0.142	25	12/05/2017 13:41	WG1048101
4-Methyl-2-pentanone (MIBK)	U		0.0534	0.284	25	12/05/2017 13:41	WG1048101

B-225-21

Collected date/time: 11/27/17 15:00

SAMPLE RESULTS - 12

L953811

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.00603	0.0284	25	12/05/2017 13:41	WG1048101
Naphthalene	U		0.0284	0.142	25	12/05/2017 13:41	WG1048101
n-Propylbenzene	U		0.00585	0.0284	25	12/05/2017 13:41	WG1048101
Styrene	U		0.00665	0.0284	25	12/05/2017 13:41	WG1048101
1,1,1,2-Tetrachloroethane	U		0.00750	0.0284	25	12/05/2017 13:41	WG1048101
1,1,2,2-Tetrachloroethane	U		0.0104	0.0284	25	12/05/2017 13:41	WG1048101
1,1,2-Trichlorotrifluoroethane	U		0.0104	0.0284	25	12/05/2017 13:41	WG1048101
Tetrachloroethene	1.11		0.00784	0.0284	25	12/05/2017 13:41	WG1048101
Toluene	U		0.0123	0.142	25	12/05/2017 13:41	WG1048101
1,2,3-Trichlorobenzene	U		0.00870	0.0284	25	12/05/2017 13:41	WG1048101
1,2,4-Trichlorobenzene	U		0.0110	0.0284	25	12/05/2017 13:41	WG1048101
1,1,1-Trichloroethane	U		0.00813	0.0284	25	12/05/2017 13:41	WG1048101
1,1,2-Trichloroethane	U		0.00787	0.0284	25	12/05/2017 13:41	WG1048101
Trichloroethene	0.0428		0.00794	0.0284	25	12/05/2017 13:41	WG1048101
Trichlorofluoromethane	U		0.0109	0.142	25	12/05/2017 13:41	WG1048101
1,2,3-Trichloropropane	U		0.0210	0.0711	25	12/05/2017 13:41	WG1048101
1,2,4-Trimethylbenzene	U		0.00600	0.0284	25	12/05/2017 13:41	WG1048101
1,2,3-Trimethylbenzene	U		0.00816	0.0284	25	12/05/2017 13:41	WG1048101
1,3,5-Trimethylbenzene	U		0.00756	0.0284	25	12/05/2017 13:41	WG1048101
Vinyl acetate	U		0.0680	0.284	25	12/05/2017 13:41	WG1048101
Vinyl chloride	U		0.00828	0.0284	25	12/05/2017 13:41	WG1048101
Xylenes, Total	U		0.0198	0.0853	25	12/05/2017 13:41	WG1048101
(S) Toluene-d8	*102*			*80.0-120*		*12/05/2017 13:41*	WG1048101
(S) Dibromofluoromethane	*98.7*			*74.0-131*		*12/05/2017 13:41*	WG1048101
(S) 4-Bromofluorobenzene	*99.0*			*64.0-132*		*12/05/2017 13:41*	WG1048101

Sample Narrative:

L953811-12 WG1048101: Cannot be analyzed at a lower dilution due to high levels of target analytes.

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

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	85.1		1	12/01/2017 10:11	WG1048266

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0118	0.0588	1	12/01/2017 06:45	WG1048101
Acrylonitrile	U		0.00210	0.0118	1	12/01/2017 06:45	WG1048101
Benzene	U		0.000317	0.00118	1	12/01/2017 06:45	WG1048101
Bromobenzene	U		0.000334	0.00118	1	12/01/2017 06:45	WG1048101
Bromodichloromethane	U		0.000299	0.00118	1	12/01/2017 06:45	WG1048101
Bromochloromethane	U		0.000458	0.00588	1	12/01/2017 06:45	WG1048101
Bromoform	U		0.000498	0.00118	1	12/01/2017 06:45	WG1048101
Bromomethane	U		0.00157	0.00588	1	12/01/2017 06:45	WG1048101
n-Butylbenzene	U		0.000303	0.00118	1	12/01/2017 06:45	WG1048101
sec-Butylbenzene	U		0.000236	0.00118	1	12/01/2017 06:45	WG1048101
tert-Butylbenzene	U		0.000242	0.00118	1	12/01/2017 06:45	WG1048101
Carbon disulfide	U		0.000260	0.00118	1	12/01/2017 06:45	WG1048101
Carbon tetrachloride	U		0.000386	0.00118	1	12/01/2017 06:45	WG1048101
Chlorobenzene	U		0.000249	0.00118	1	12/01/2017 06:45	WG1048101
Chlorodibromomethane	U		0.000438	0.00118	1	12/01/2017 06:45	WG1048101
Chloroethane	U		0.00111	0.00588	1	12/01/2017 06:45	WG1048101
Chloroform	U		0.000269	0.00588	1	12/01/2017 06:45	WG1048101
Chloromethane	U		0.000441	0.00294	1	12/01/2017 06:45	WG1048101
2-Chlorotoluene	U		0.000354	0.00118	1	12/01/2017 06:45	WG1048101
4-Chlorotoluene	U		0.000282	0.00118	1	12/01/2017 06:45	WG1048101
1,2-Dibromo-3-Chloropropane	U		0.00123	0.00588	1	12/01/2017 06:45	WG1048101
1,2-Dibromoethane	U		0.000403	0.00118	1	12/01/2017 06:45	WG1048101
Dibromomethane	U		0.000449	0.00118	1	12/01/2017 06:45	WG1048101
1,2-Dichlorobenzene	U		0.000358	0.00118	1	12/01/2017 06:45	WG1048101
1,3-Dichlorobenzene	U		0.000281	0.00118	1	12/01/2017 06:45	WG1048101
1,4-Dichlorobenzene	U		0.000266	0.00118	1	12/01/2017 06:45	WG1048101
Dichlorodifluoromethane	U		0.000838	0.00588	1	12/01/2017 06:45	WG1048101
1,1-Dichloroethane	U		0.000234	0.00118	1	12/01/2017 06:45	WG1048101
1,2-Dichloroethane	U		0.000311	0.00118	1	12/01/2017 06:45	WG1048101
1,1-Dichloroethene	0.000531	J	0.000356	0.00118	1	12/01/2017 06:45	WG1048101
cis-1,2-Dichloroethene	0.0710		0.000276	0.00118	1	12/01/2017 06:45	WG1048101
trans-1,2-Dichloroethene	0.000763	J	0.000310	0.00118	1	12/01/2017 06:45	WG1048101
1,2-Dichloropropane	U		0.000421	0.00118	1	12/01/2017 06:45	WG1048101
1,1-Dichloropropene	U		0.000373	0.00118	1	12/01/2017 06:45	WG1048101
1,3-Dichloropropane	U		0.000243	0.00118	1	12/01/2017 06:45	WG1048101
cis-1,3-Dichloropropene	U		0.000308	0.00118	1	12/01/2017 06:45	WG1048101
trans-1,3-Dichloropropene	U		0.000314	0.00118	1	12/01/2017 06:45	WG1048101
trans-1,4-Dichloro-2-butene	U		0.000914	0.00294	1	12/01/2017 06:45	WG1048101
2,2-Dichloropropane	U		0.000328	0.00118	1	12/01/2017 06:45	WG1048101
Di-isopropyl ether	U		0.000291	0.00118	1	12/01/2017 06:45	WG1048101
Ethylbenzene	U		0.000349	0.00118	1	12/01/2017 06:45	WG1048101
Hexachloro-1,3-butadiene	U		0.000402	0.00118	1	12/01/2017 06:45	WG1048101
2-Hexanone	U		0.00161	0.0118	1	12/01/2017 06:45	WG1048101
n-Hexane	0.000676	J	0.000341	0.0118	1	12/01/2017 06:45	WG1048101
Iodomethane	U		0.00297	0.0118	1	12/01/2017 06:45	WG1048101
Isopropylbenzene	U		0.000286	0.00118	1	12/01/2017 06:45	WG1048101
p-Isopropyltoluene	U		0.000240	0.00118	1	12/01/2017 06:45	WG1048101
2-Butanone (MEK)	U		0.00550	0.0118	1	12/01/2017 06:45	WG1048101
Methylene Chloride	U		0.00118	0.00588	1	12/01/2017 06:45	WG1048101
4-Methyl-2-pentanone (MIBK)	U		0.00221	0.0118	1	12/01/2017 06:45	WG1048101

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000249	0.00118	1	12/01/2017 06:45	WG1048101
Naphthalene	U		0.00118	0.00588	1	12/01/2017 06:45	WG1048101
n-Propylbenzene	U		0.000242	0.00118	1	12/01/2017 06:45	WG1048101
Styrene	U		0.000275	0.00118	1	12/01/2017 06:45	WG1048101
1,1,1,2-Tetrachloroethane	U		0.000310	0.00118	1	12/01/2017 06:45	WG1048101
1,1,2,2-Tetrachloroethane	U		0.000429	0.00118	1	12/01/2017 06:45	WG1048101
1,1,2-Trichlorotrifluoroethane	U		0.000429	0.00118	1	12/01/2017 06:45	WG1048101
Tetrachloroethene	1.13		0.0180	0.0652	55.5	12/04/2017 20:07	WG1048101
Toluene	U		0.000510	0.00588	1	12/01/2017 06:45	WG1048101
1,2,3-Trichlorobenzene	U		0.000360	0.00118	1	12/01/2017 06:45	WG1048101
1,2,4-Trichlorobenzene	U		0.000456	0.00118	1	12/01/2017 06:45	WG1048101
1,1,1-Trichloroethane	U		0.000336	0.00118	1	12/01/2017 06:45	WG1048101
1,1,2-Trichloroethane	U		0.000326	0.00118	1	12/01/2017 06:45	WG1048101
Trichloroethene	0.0370		0.000328	0.00118	1	12/01/2017 06:45	WG1048101
Trichlorofluoromethane	U		0.000449	0.00588	1	12/01/2017 06:45	WG1048101
1,2,3-Trichloropropane	U		0.000871	0.00294	1	12/01/2017 06:45	WG1048101
1,2,4-Trimethylbenzene	U		0.000248	0.00118	1	12/01/2017 06:45	WG1048101
1,2,3-Trimethylbenzene	U		0.000337	0.00118	1	12/01/2017 06:45	WG1048101
1,3,5-Trimethylbenzene	U		0.000313	0.00118	1	12/01/2017 06:45	WG1048101
Vinyl acetate	U	J0	0.00281	0.0118	1	12/01/2017 06:45	WG1048101
Vinyl chloride	0.00619		0.000342	0.00118	1	12/01/2017 06:45	WG1048101
Xylenes, Total	U		0.000820	0.00353	1	12/01/2017 06:45	WG1048101
(S) Toluene-d8	*107*			*80.0-120*		*12/04/2017 20:07*	WG1048101
(S) Toluene-d8	*96.9*			*80.0-120*		*12/01/2017 06:45*	WG1048101
(S) Dibromofluoromethane	*107*			*74.0-131*		*12/01/2017 06:45*	WG1048101
(S) Dibromofluoromethane	*105*			*74.0-131*		*12/04/2017 20:07*	WG1048101
(S) 4-Bromofluorobenzene	*97.5*			*64.0-132*		*12/01/2017 06:45*	WG1048101
(S) 4-Bromofluorobenzene	*98.8*			*64.0-132*		*12/04/2017 20:07*	WG1048101

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

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	87.5		1	12/01/2017 10:11	WG1048266

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0114	0.0571	1	12/01/2017 07:04	WG1048101
Acrylonitrile	U		0.00205	0.0114	1	12/01/2017 07:04	WG1048101
Benzene	U		0.000309	0.00114	1	12/01/2017 07:04	WG1048101
Bromobenzene	U		0.000325	0.00114	1	12/01/2017 07:04	WG1048101
Bromodichloromethane	U		0.000290	0.00114	1	12/01/2017 07:04	WG1048101
Bromochloromethane	U		0.000446	0.00571	1	12/01/2017 07:04	WG1048101
Bromoform	U		0.000485	0.00114	1	12/01/2017 07:04	WG1048101
Bromomethane	U		0.00153	0.00571	1	12/01/2017 07:04	WG1048101
n-Butylbenzene	U		0.000295	0.00114	1	12/01/2017 07:04	WG1048101
sec-Butylbenzene	U		0.000230	0.00114	1	12/01/2017 07:04	WG1048101
tert-Butylbenzene	U		0.000235	0.00114	1	12/01/2017 07:04	WG1048101
Carbon disulfide	U		0.000253	0.00114	1	12/01/2017 07:04	WG1048101
Carbon tetrachloride	U		0.000375	0.00114	1	12/01/2017 07:04	WG1048101
Chlorobenzene	U		0.000242	0.00114	1	12/01/2017 07:04	WG1048101
Chlorodibromomethane	U		0.000426	0.00114	1	12/01/2017 07:04	WG1048101
Chloroethane	U		0.00108	0.00571	1	12/01/2017 07:04	WG1048101
Chloroform	U		0.000262	0.00571	1	12/01/2017 07:04	WG1048101
Chloromethane	U		0.000429	0.00286	1	12/01/2017 07:04	WG1048101
2-Chlorotoluene	U		0.000344	0.00114	1	12/01/2017 07:04	WG1048101
4-Chlorotoluene	U		0.000274	0.00114	1	12/01/2017 07:04	WG1048101
1,2-Dibromo-3-Chloropropane	U		0.00120	0.00571	1	12/01/2017 07:04	WG1048101
1,2-Dibromoethane	U		0.000392	0.00114	1	12/01/2017 07:04	WG1048101
Dibromomethane	U		0.000437	0.00114	1	12/01/2017 07:04	WG1048101
1,2-Dichlorobenzene	U		0.000349	0.00114	1	12/01/2017 07:04	WG1048101
1,3-Dichlorobenzene	U		0.000273	0.00114	1	12/01/2017 07:04	WG1048101
1,4-Dichlorobenzene	U		0.000258	0.00114	1	12/01/2017 07:04	WG1048101
Dichlorodifluoromethane	U		0.000815	0.00571	1	12/01/2017 07:04	WG1048101
1,1-Dichloroethane	U		0.000227	0.00114	1	12/01/2017 07:04	WG1048101
1,2-Dichloroethane	U		0.000303	0.00114	1	12/01/2017 07:04	WG1048101
1,1-Dichloroethene	0.000466	J	0.000346	0.00114	1	12/01/2017 07:04	WG1048101
cis-1,2-Dichloroethene	0.164		0.000269	0.00114	1	12/01/2017 07:04	WG1048101
trans-1,2-Dichloroethene	0.000751	J	0.000302	0.00114	1	12/01/2017 07:04	WG1048101
1,2-Dichloropropane	U		0.000409	0.00114	1	12/01/2017 07:04	WG1048101
1,1-Dichloropropene	U		0.000362	0.00114	1	12/01/2017 07:04	WG1048101
1,3-Dichloropropane	U		0.000237	0.00114	1	12/01/2017 07:04	WG1048101
cis-1,3-Dichloropropene	U		0.000299	0.00114	1	12/01/2017 07:04	WG1048101
trans-1,3-Dichloropropene	U		0.000305	0.00114	1	12/01/2017 07:04	WG1048101
trans-1,4-Dichloro-2-butene	U		0.000889	0.00286	1	12/01/2017 07:04	WG1048101
2,2-Dichloropropane	U		0.000319	0.00114	1	12/01/2017 07:04	WG1048101
Di-isopropyl ether	U		0.000283	0.00114	1	12/01/2017 07:04	WG1048101
Ethylbenzene	U		0.000339	0.00114	1	12/01/2017 07:04	WG1048101
Hexachloro-1,3-butadiene	U		0.000391	0.00114	1	12/01/2017 07:04	WG1048101
2-Hexanone	U		0.00157	0.0114	1	12/01/2017 07:04	WG1048101
n-Hexane	0.000570	J	0.000331	0.0114	1	12/01/2017 07:04	WG1048101
Iodomethane	U		0.00289	0.0114	1	12/01/2017 07:04	WG1048101
Isopropylbenzene	U		0.000278	0.00114	1	12/01/2017 07:04	WG1048101
p-Isopropyltoluene	U		0.000233	0.00114	1	12/01/2017 07:04	WG1048101
2-Butanone (MEK)	U		0.00535	0.0114	1	12/01/2017 07:04	WG1048101
Methylene Chloride	U		0.00114	0.00571	1	12/01/2017 07:04	WG1048101
4-Methyl-2-pentanone (MIBK)	U		0.00215	0.0114	1	12/01/2017 07:04	WG1048101

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

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg		date / time	
Methyl tert-butyl ether	U		0.000242	0.00114	1	12/01/2017 07:04	WG1048101
Naphthalene	U		0.00114	0.00571	1	12/01/2017 07:04	WG1048101
n-Propylbenzene	U		0.000235	0.00114	1	12/01/2017 07:04	WG1048101
Styrene	U		0.000267	0.00114	1	12/01/2017 07:04	WG1048101
1,1,1,2-Tetrachloroethane	U		0.000302	0.00114	1	12/01/2017 07:04	WG1048101
1,1,2,2-Tetrachloroethane	U		0.000417	0.00114	1	12/01/2017 07:04	WG1048101
1,1,2-Trichlorotrifluoroethane	U		0.000417	0.00114	1	12/01/2017 07:04	WG1048101
Tetrachloroethene	1.09		0.00789	0.0286	25	12/04/2017 20:27	WG1048101
Toluene	U		0.000496	0.00571	1	12/01/2017 07:04	WG1048101
1,2,3-Trichlorobenzene	U		0.000350	0.00114	1	12/01/2017 07:04	WG1048101
1,2,4-Trichlorobenzene	U		0.000443	0.00114	1	12/01/2017 07:04	WG1048101
1,1,1-Trichloroethane	U		0.000327	0.00114	1	12/01/2017 07:04	WG1048101
1,1,2-Trichloroethane	U		0.000317	0.00114	1	12/01/2017 07:04	WG1048101
Trichloroethene	0.0372		0.000319	0.00114	1	12/01/2017 07:04	WG1048101
Trichlorofluoromethane	U		0.000437	0.00571	1	12/01/2017 07:04	WG1048101
1,2,3-Trichloropropane	U		0.000847	0.00286	1	12/01/2017 07:04	WG1048101
1,2,4-Trimethylbenzene	U		0.000241	0.00114	1	12/01/2017 07:04	WG1048101
1,2,3-Trimethylbenzene	U		0.000328	0.00114	1	12/01/2017 07:04	WG1048101
1,3,5-Trimethylbenzene	U		0.000304	0.00114	1	12/01/2017 07:04	WG1048101
Vinyl acetate	U	J0	0.00273	0.0114	1	12/01/2017 07:04	WG1048101
Vinyl chloride	0.00550		0.000333	0.00114	1	12/01/2017 07:04	WG1048101
Xylenes, Total	U		0.000798	0.00343	1	12/01/2017 07:04	WG1048101
(S) Toluene-d8	*97.4*			*80.0-120*		*12/01/2017 07:04*	WG1048101
(S) Toluene-d8	*109*			*80.0-120*		*12/04/2017 20:27*	WG1048101
(S) Dibromofluoromethane	*103*			*74.0-131*		*12/04/2017 20:27*	WG1048101
(S) Dibromofluoromethane	*107*			*74.0-131*		*12/01/2017 07:04*	WG1048101
(S) 4-Bromofluorobenzene	*97.4*			*64.0-132*		*12/01/2017 07:04*	WG1048101
(S) 4-Bromofluorobenzene	*99.7*			*64.0-132*		*12/04/2017 20:27*	WG1048101

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

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	81.2		1	12/01/2017 10:11	WG1048266

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0123	0.0616	1	12/04/2017 17:19	WG1048101
Acrylonitrile	U		0.00220	0.0123	1	12/04/2017 17:19	WG1048101
Benzene	U		0.000333	0.00123	1	12/04/2017 17:19	WG1048101
Bromobenzene	U		0.000350	0.00123	1	12/04/2017 17:19	WG1048101
Bromodichloromethane	U		0.000313	0.00123	1	12/04/2017 17:19	WG1048101
Bromochloromethane	U		0.000480	0.00616	1	12/04/2017 17:19	WG1048101
Bromoform	U		0.000522	0.00123	1	12/04/2017 17:19	WG1048101
Bromomethane	U		0.00165	0.00616	1	12/04/2017 17:19	WG1048101
n-Butylbenzene	U		0.000318	0.00123	1	12/04/2017 17:19	WG1048101
sec-Butylbenzene	U		0.000248	0.00123	1	12/04/2017 17:19	WG1048101
tert-Butylbenzene	U		0.000254	0.00123	1	12/04/2017 17:19	WG1048101
Carbon disulfide	U		0.000272	0.00123	1	12/04/2017 17:19	WG1048101
Carbon tetrachloride	U		0.000404	0.00123	1	12/04/2017 17:19	WG1048101
Chlorobenzene	U		0.000261	0.00123	1	12/04/2017 17:19	WG1048101
Chlorodibromomethane	U		0.000459	0.00123	1	12/04/2017 17:19	WG1048101
Chloroethane	U		0.00117	0.00616	1	12/04/2017 17:19	WG1048101
Chloroform	U		0.000282	0.00616	1	12/04/2017 17:19	WG1048101
Chloromethane	U		0.000462	0.00308	1	12/04/2017 17:19	WG1048101
2-Chlorotoluene	U		0.000371	0.00123	1	12/04/2017 17:19	WG1048101
4-Chlorotoluene	U		0.000296	0.00123	1	12/04/2017 17:19	WG1048101
1,2-Dibromo-3-Chloropropane	U		0.00129	0.00616	1	12/04/2017 17:19	WG1048101
1,2-Dibromoethane	U		0.000422	0.00123	1	12/04/2017 17:19	WG1048101
Dibromomethane	U		0.000470	0.00123	1	12/04/2017 17:19	WG1048101
1,2-Dichlorobenzene	U		0.000376	0.00123	1	12/04/2017 17:19	WG1048101
1,3-Dichlorobenzene	U		0.000294	0.00123	1	12/04/2017 17:19	WG1048101
1,4-Dichlorobenzene	U		0.000278	0.00123	1	12/04/2017 17:19	WG1048101
Dichlorodifluoromethane	U		0.000878	0.00616	1	12/04/2017 17:19	WG1048101
1,1-Dichloroethane	U		0.000245	0.00123	1	12/04/2017 17:19	WG1048101
1,2-Dichloroethane	U		0.000326	0.00123	1	12/04/2017 17:19	WG1048101
1,1-Dichloroethene	U		0.000373	0.00123	1	12/04/2017 17:19	WG1048101
cis-1,2-Dichloroethene	0.0115		0.000289	0.00123	1	12/04/2017 17:19	WG1048101
trans-1,2-Dichloroethene	U		0.000325	0.00123	1	12/04/2017 17:19	WG1048101
1,2-Dichloropropane	U		0.000441	0.00123	1	12/04/2017 17:19	WG1048101
1,1-Dichloropropene	U		0.000390	0.00123	1	12/04/2017 17:19	WG1048101
1,3-Dichloropropane	U		0.000255	0.00123	1	12/04/2017 17:19	WG1048101
cis-1,3-Dichloropropene	U		0.000323	0.00123	1	12/04/2017 17:19	WG1048101
trans-1,3-Dichloropropene	U		0.000329	0.00123	1	12/04/2017 17:19	WG1048101
trans-1,4-Dichloro-2-butene	U		0.000958	0.00308	1	12/04/2017 17:19	WG1048101
2,2-Dichloropropane	U		0.000344	0.00123	1	12/04/2017 17:19	WG1048101
Di-isopropyl ether	U		0.000305	0.00123	1	12/04/2017 17:19	WG1048101
Ethylbenzene	U		0.000366	0.00123	1	12/04/2017 17:19	WG1048101
Hexachloro-1,3-butadiene	U		0.000421	0.00123	1	12/04/2017 17:19	WG1048101
2-Hexanone	U		0.00169	0.0123	1	12/04/2017 17:19	WG1048101
n-Hexane	U		0.000357	0.0123	1	12/04/2017 17:19	WG1048101
Iodomethane	U		0.00312	0.0123	1	12/04/2017 17:19	WG1048101
Isopropylbenzene	U		0.000299	0.00123	1	12/04/2017 17:19	WG1048101
p-Isopropyltoluene	U		0.000251	0.00123	1	12/04/2017 17:19	WG1048101
2-Butanone (MEK)	U		0.00576	0.0123	1	12/04/2017 17:19	WG1048101
Methylene Chloride	U		0.00123	0.00616	1	12/04/2017 17:19	WG1048101
4-Methyl-2-pentanone (MIBK)	U		0.00232	0.0123	1	12/04/2017 17:19	WG1048101

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000261	0.00123	1	12/04/2017 17:19	WG1048101
Naphthalene	U		0.00123	0.00616	1	12/04/2017 17:19	WG1048101
n-Propylbenzene	U		0.000254	0.00123	1	12/04/2017 17:19	WG1048101
Styrene	U		0.000288	0.00123	1	12/04/2017 17:19	WG1048101
1,1,1,2-Tetrachloroethane	U		0.000325	0.00123	1	12/04/2017 17:19	WG1048101
1,1,2,2-Tetrachloroethane	U		0.000450	0.00123	1	12/04/2017 17:19	WG1048101
1,1,2-Trichlorotrifluoroethane	U		0.000450	0.00123	1	12/04/2017 17:19	WG1048101
Tetrachloroethene	0.158		0.00850	0.0308	25	12/05/2017 14:02	WG1048101
Toluene	U		0.000535	0.00616	1	12/04/2017 17:19	WG1048101
1,2,3-Trichlorobenzene	U		0.000377	0.00123	1	12/04/2017 17:19	WG1048101
1,2,4-Trichlorobenzene	U		0.000478	0.00123	1	12/04/2017 17:19	WG1048101
1,1,1-Trichloroethane	U		0.000352	0.00123	1	12/04/2017 17:19	WG1048101
1,1,2-Trichloroethane	U		0.000341	0.00123	1	12/04/2017 17:19	WG1048101
Trichloroethene	0.00696		0.000344	0.00123	1	12/04/2017 17:19	WG1048101
Trichlorofluoromethane	U		0.000470	0.00616	1	12/04/2017 17:19	WG1048101
1,2,3-Trichloropropane	U		0.000913	0.00308	1	12/04/2017 17:19	WG1048101
1,2,4-Trimethylbenzene	U		0.000260	0.00123	1	12/04/2017 17:19	WG1048101
1,2,3-Trimethylbenzene	U		0.000353	0.00123	1	12/04/2017 17:19	WG1048101
1,3,5-Trimethylbenzene	U		0.000328	0.00123	1	12/04/2017 17:19	WG1048101
Vinyl acetate	U		0.00294	0.0123	1	12/04/2017 17:19	WG1048101
Vinyl chloride	0.000538	J	0.000358	0.00123	1	12/04/2017 17:19	WG1048101
Xylenes, Total	U		0.000860	0.00369	1	12/04/2017 17:19	WG1048101
(S) Toluene-d8	*95.7*			*80.0-120*		*12/04/2017 17:19*	WG1048101
(S) Toluene-d8	*103*			*80.0-120*		*12/05/2017 14:02*	WG1048101
(S) Dibromofluoromethane	*115*			*74.0-131*		*12/04/2017 17:19*	WG1048101
(S) Dibromofluoromethane	*97.6*			*74.0-131*		*12/05/2017 14:02*	WG1048101
(S) 4-Bromofluorobenzene	*99.0*			*64.0-132*		*12/05/2017 14:02*	WG1048101
(S) 4-Bromofluorobenzene	*100*			*64.0-132*		*12/04/2017 17:19*	WG1048101

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

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

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	83.0		1	12/01/2017 11:36	WG1048267

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0120	0.0602	1	12/01/2017 07:43	WG1048101
Acrylonitrile	U		0.00216	0.0120	1	12/01/2017 07:43	WG1048101
Benzene	U		0.000325	0.00120	1	12/01/2017 07:43	WG1048101
Bromobenzene	U		0.000342	0.00120	1	12/01/2017 07:43	WG1048101
Bromodichloromethane	U		0.000306	0.00120	1	12/01/2017 07:43	WG1048101
Bromochloromethane	U		0.000470	0.00602	1	12/01/2017 07:43	WG1048101
Bromoform	U		0.000511	0.00120	1	12/01/2017 07:43	WG1048101
Bromomethane	U		0.00161	0.00602	1	12/01/2017 07:43	WG1048101
n-Butylbenzene	U		0.000311	0.00120	1	12/01/2017 07:43	WG1048101
sec-Butylbenzene	U		0.000242	0.00120	1	12/01/2017 07:43	WG1048101
tert-Butylbenzene	U		0.000248	0.00120	1	12/01/2017 07:43	WG1048101
Carbon disulfide	U		0.000266	0.00120	1	12/01/2017 07:43	WG1048101
Carbon tetrachloride	U		0.000395	0.00120	1	12/01/2017 07:43	WG1048101
Chlorobenzene	U		0.000255	0.00120	1	12/01/2017 07:43	WG1048101
Chlorodibromomethane	U		0.000449	0.00120	1	12/01/2017 07:43	WG1048101
Chloroethane	U		0.00114	0.00602	1	12/01/2017 07:43	WG1048101
Chloroform	U		0.000276	0.00602	1	12/01/2017 07:43	WG1048101
Chloromethane	U		0.000452	0.00301	1	12/01/2017 07:43	WG1048101
2-Chlorotoluene	U		0.000363	0.00120	1	12/01/2017 07:43	WG1048101
4-Chlorotoluene	U		0.000289	0.00120	1	12/01/2017 07:43	WG1048101
1,2-Dibromo-3-Chloropropane	U		0.00126	0.00602	1	12/01/2017 07:43	WG1048101
1,2-Dibromoethane	U		0.000413	0.00120	1	12/01/2017 07:43	WG1048101
Dibromomethane	U		0.000460	0.00120	1	12/01/2017 07:43	WG1048101
1,2-Dichlorobenzene	U		0.000367	0.00120	1	12/01/2017 07:43	WG1048101
1,3-Dichlorobenzene	U		0.000288	0.00120	1	12/01/2017 07:43	WG1048101
1,4-Dichlorobenzene	U		0.000272	0.00120	1	12/01/2017 07:43	WG1048101
Dichlorodifluoromethane	U		0.000859	0.00602	1	12/01/2017 07:43	WG1048101
1,1-Dichloroethane	U		0.000240	0.00120	1	12/01/2017 07:43	WG1048101
1,2-Dichloroethane	U		0.000319	0.00120	1	12/01/2017 07:43	WG1048101
1,1-Dichloroethene	U		0.000365	0.00120	1	12/01/2017 07:43	WG1048101
cis-1,2-Dichloroethene	0.00317		0.000283	0.00120	1	12/01/2017 07:43	WG1048101
trans-1,2-Dichloroethene	U		0.000318	0.00120	1	12/01/2017 07:43	WG1048101
1,2-Dichloropropane	U		0.000431	0.00120	1	12/01/2017 07:43	WG1048101
1,1-Dichloropropene	U		0.000382	0.00120	1	12/01/2017 07:43	WG1048101
1,3-Dichloropropane	U		0.000249	0.00120	1	12/01/2017 07:43	WG1048101
cis-1,3-Dichloropropene	U		0.000316	0.00120	1	12/01/2017 07:43	WG1048101
trans-1,3-Dichloropropene	U		0.000322	0.00120	1	12/01/2017 07:43	WG1048101
trans-1,4-Dichloro-2-butene	U		0.000937	0.00301	1	12/01/2017 07:43	WG1048101
2,2-Dichloropropane	U		0.000336	0.00120	1	12/01/2017 07:43	WG1048101
Di-isopropyl ether	U		0.000299	0.00120	1	12/01/2017 07:43	WG1048101
Ethylbenzene	U		0.000358	0.00120	1	12/01/2017 07:43	WG1048101
Hexachloro-1,3-butadiene	U		0.000412	0.00120	1	12/01/2017 07:43	WG1048101
2-Hexanone	U		0.00165	0.0120	1	12/01/2017 07:43	WG1048101
n-Hexane	U		0.000349	0.0120	1	12/01/2017 07:43	WG1048101
Iodomethane	U		0.00305	0.0120	1	12/01/2017 07:43	WG1048101
Isopropylbenzene	U		0.000293	0.00120	1	12/01/2017 07:43	WG1048101
p-Isopropyltoluene	U		0.000246	0.00120	1	12/01/2017 07:43	WG1048101
2-Butanone (MEK)	U		0.00564	0.0120	1	12/01/2017 07:43	WG1048101
Methylene Chloride	U		0.00120	0.00602	1	12/01/2017 07:43	WG1048101
4-Methyl-2-pentanone (MIBK)	U		0.00226	0.0120	1	12/01/2017 07:43	WG1048101

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000255	0.00120	1	12/01/2017 07:43	WG1048101
Naphthalene	U		0.00120	0.00602	1	12/01/2017 07:43	WG1048101
n-Propylbenzene	U		0.000248	0.00120	1	12/01/2017 07:43	WG1048101
Styrene	U		0.000282	0.00120	1	12/01/2017 07:43	WG1048101
1,1,1,2-Tetrachloroethane	U		0.000318	0.00120	1	12/01/2017 07:43	WG1048101
1,1,2,2-Tetrachloroethane	U		0.000440	0.00120	1	12/01/2017 07:43	WG1048101
1,1,2-Trichlorotrifluoroethane	U		0.000440	0.00120	1	12/01/2017 07:43	WG1048101
Tetrachloroethene	0.0227		0.000332	0.00120	1	12/01/2017 07:43	WG1048101
Toluene	U		0.000523	0.00602	1	12/01/2017 07:43	WG1048101
1,2,3-Trichlorobenzene	U		0.000369	0.00120	1	12/01/2017 07:43	WG1048101
1,2,4-Trichlorobenzene	U		0.000467	0.00120	1	12/01/2017 07:43	WG1048101
1,1,1-Trichloroethane	U		0.000344	0.00120	1	12/01/2017 07:43	WG1048101
1,1,2-Trichloroethane	U		0.000334	0.00120	1	12/01/2017 07:43	WG1048101
Trichloroethene	0.00209		0.000336	0.00120	1	12/01/2017 07:43	WG1048101
Trichlorofluoromethane	U		0.000460	0.00602	1	12/01/2017 07:43	WG1048101
1,2,3-Trichloropropane	U		0.000892	0.00301	1	12/01/2017 07:43	WG1048101
1,2,4-Trimethylbenzene	U		0.000254	0.00120	1	12/01/2017 07:43	WG1048101
1,2,3-Trimethylbenzene	U		0.000346	0.00120	1	12/01/2017 07:43	WG1048101
1,3,5-Trimethylbenzene	U		0.000320	0.00120	1	12/01/2017 07:43	WG1048101
Vinyl acetate	U	J0	0.00288	0.0120	1	12/01/2017 07:43	WG1048101
Vinyl chloride	U		0.000350	0.00120	1	12/01/2017 07:43	WG1048101
Xylenes, Total	U		0.000841	0.00361	1	12/01/2017 07:43	WG1048101
(S) Toluene-d8	*95.6*			*80.0-120*		*12/01/2017 07:43*	WG1048101
(S) Dibromofluoromethane	*114*			*74.0-131*		*12/01/2017 07:43*	WG1048101
(S) 4-Bromofluorobenzene	*94.9*			*64.0-132*		*12/01/2017 07:43*	WG1048101

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	88.2		1	12/01/2017 11:36	WG1048267

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.0132	J	0.0113	0.0567	1	12/01/2017 08:02	WG1048101
Acrylonitrile	U		0.00203	0.0113	1	12/01/2017 08:02	WG1048101
Benzene	U		0.000306	0.00113	1	12/01/2017 08:02	WG1048101
Bromobenzene	U		0.000322	0.00113	1	12/01/2017 08:02	WG1048101
Bromodichloromethane	U		0.000288	0.00113	1	12/01/2017 08:02	WG1048101
Bromochloromethane	U		0.000442	0.00567	1	12/01/2017 08:02	WG1048101
Bromoform	U		0.000481	0.00113	1	12/01/2017 08:02	WG1048101
Bromomethane	U		0.00152	0.00567	1	12/01/2017 08:02	WG1048101
n-Butylbenzene	U		0.000293	0.00113	1	12/01/2017 08:02	WG1048101
sec-Butylbenzene	U		0.000228	0.00113	1	12/01/2017 08:02	WG1048101
tert-Butylbenzene	U		0.000234	0.00113	1	12/01/2017 08:02	WG1048101
Carbon disulfide	0.00146		0.000251	0.00113	1	12/01/2017 08:02	WG1048101
Carbon tetrachloride	U		0.000372	0.00113	1	12/01/2017 08:02	WG1048101
Chlorobenzene	U		0.000240	0.00113	1	12/01/2017 08:02	WG1048101
Chlorodibromomethane	U		0.000423	0.00113	1	12/01/2017 08:02	WG1048101
Chloroethane	U		0.00107	0.00567	1	12/01/2017 08:02	WG1048101
Chloroform	U		0.000260	0.00567	1	12/01/2017 08:02	WG1048101
Chloromethane	U		0.000425	0.00284	1	12/01/2017 08:02	WG1048101
2-Chlorotoluene	U		0.000341	0.00113	1	12/01/2017 08:02	WG1048101
4-Chlorotoluene	U		0.000272	0.00113	1	12/01/2017 08:02	WG1048101
1,2-Dibromo-3-Chloropropane	U		0.00119	0.00567	1	12/01/2017 08:02	WG1048101
1,2-Dibromoethane	U		0.000389	0.00113	1	12/01/2017 08:02	WG1048101
Dibromomethane	U		0.000433	0.00113	1	12/01/2017 08:02	WG1048101
1,2-Dichlorobenzene	U		0.000346	0.00113	1	12/01/2017 08:02	WG1048101
1,3-Dichlorobenzene	U		0.000271	0.00113	1	12/01/2017 08:02	WG1048101
1,4-Dichlorobenzene	U		0.000256	0.00113	1	12/01/2017 08:02	WG1048101
Dichlorodifluoromethane	U		0.000809	0.00567	1	12/01/2017 08:02	WG1048101
1,1-Dichloroethane	U		0.000226	0.00113	1	12/01/2017 08:02	WG1048101
1,2-Dichloroethane	U		0.000301	0.00113	1	12/01/2017 08:02	WG1048101
1,1-Dichloroethene	U		0.000344	0.00113	1	12/01/2017 08:02	WG1048101
cis-1,2-Dichloroethene	0.00338		0.000267	0.00113	1	12/01/2017 08:02	WG1048101
trans-1,2-Dichloroethene	U		0.000299	0.00113	1	12/01/2017 08:02	WG1048101
1,2-Dichloropropane	U		0.000406	0.00113	1	12/01/2017 08:02	WG1048101
1,1-Dichloropropene	U		0.000360	0.00113	1	12/01/2017 08:02	WG1048101
1,3-Dichloropropane	U		0.000235	0.00113	1	12/01/2017 08:02	WG1048101
cis-1,3-Dichloropropene	U		0.000297	0.00113	1	12/01/2017 08:02	WG1048101
trans-1,3-Dichloropropene	U		0.000303	0.00113	1	12/01/2017 08:02	WG1048101
trans-1,4-Dichloro-2-butene	U		0.000882	0.00284	1	12/01/2017 08:02	WG1048101
2,2-Dichloropropane	U		0.000316	0.00113	1	12/01/2017 08:02	WG1048101
Di-isopropyl ether	U		0.000281	0.00113	1	12/01/2017 08:02	WG1048101
Ethylbenzene	U		0.000337	0.00113	1	12/01/2017 08:02	WG1048101
Hexachloro-1,3-butadiene	U		0.000388	0.00113	1	12/01/2017 08:02	WG1048101
2-Hexanone	U		0.00155	0.0113	1	12/01/2017 08:02	WG1048101
n-Hexane	U		0.000329	0.0113	1	12/01/2017 08:02	WG1048101
Iodomethane	U		0.00287	0.0113	1	12/01/2017 08:02	WG1048101
Isopropylbenzene	U		0.000276	0.00113	1	12/01/2017 08:02	WG1048101
p-Isopropyltoluene	0.00241		0.000231	0.00113	1	12/01/2017 08:02	WG1048101
2-Butanone (MEK)	U		0.00531	0.0113	1	12/01/2017 08:02	WG1048101
Methylene Chloride	U		0.00113	0.00567	1	12/01/2017 08:02	WG1048101
4-Methyl-2-pentanone (MIBK)	U		0.00213	0.0113	1	12/01/2017 08:02	WG1048101

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000240	0.00113	1	12/01/2017 08:02	WG1048101
Naphthalene	U		0.00113	0.00567	1	12/01/2017 08:02	WG1048101
n-Propylbenzene	U		0.000234	0.00113	1	12/01/2017 08:02	WG1048101
Styrene	U		0.000265	0.00113	1	12/01/2017 08:02	WG1048101
1,1,1,2-Tetrachloroethane	U		0.000299	0.00113	1	12/01/2017 08:02	WG1048101
1,1,2,2-Tetrachloroethane	U		0.000414	0.00113	1	12/01/2017 08:02	WG1048101
1,1,2-Trichlorotrifluoroethane	U		0.000414	0.00113	1	12/01/2017 08:02	WG1048101
Tetrachloroethene	0.00869		0.000313	0.00113	1	12/01/2017 08:02	WG1048101
Toluene	0.000730	J	0.000492	0.00567	1	12/01/2017 08:02	WG1048101
1,2,3-Trichlorobenzene	U		0.000347	0.00113	1	12/01/2017 08:02	WG1048101
1,2,4-Trichlorobenzene	U		0.000440	0.00113	1	12/01/2017 08:02	WG1048101
1,1,1-Trichloroethane	U		0.000324	0.00113	1	12/01/2017 08:02	WG1048101
1,1,2-Trichloroethane	U		0.000314	0.00113	1	12/01/2017 08:02	WG1048101
Trichloroethene	0.00190		0.000316	0.00113	1	12/01/2017 08:02	WG1048101
Trichlorofluoromethane	U		0.000433	0.00567	1	12/01/2017 08:02	WG1048101
1,2,3-Trichloropropane	U		0.000840	0.00284	1	12/01/2017 08:02	WG1048101
1,2,4-Trimethylbenzene	0.000268	J	0.000239	0.00113	1	12/01/2017 08:02	WG1048101
1,2,3-Trimethylbenzene	U		0.000325	0.00113	1	12/01/2017 08:02	WG1048101
1,3,5-Trimethylbenzene	U		0.000302	0.00113	1	12/01/2017 08:02	WG1048101
Vinyl acetate	U	J0	0.00271	0.0113	1	12/01/2017 08:02	WG1048101
Vinyl chloride	0.000805	J	0.000330	0.00113	1	12/01/2017 08:02	WG1048101
Xylenes, Total	U		0.000792	0.00340	1	12/01/2017 08:02	WG1048101
(S) Toluene-d8	*95.4*			*80.0-120*		*12/01/2017 08:02*	WG1048101
(S) Dibromofluoromethane	*116*			*74.0-131*		*12/01/2017 08:02*	WG1048101
(S) 4-Bromofluorobenzene	*97.0*			*64.0-132*		*12/01/2017 08:02*	WG1048101

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	89.1		1	12/01/2017 11:36	WG1048267

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.280	1.40	25	12/01/2017 08:22	WG1048101
Acrylonitrile	U		0.0503	0.280	25	12/01/2017 08:22	WG1048101
Benzene	U		0.00757	0.0280	25	12/01/2017 08:22	WG1048101
Bromobenzene	U		0.00797	0.0280	25	12/01/2017 08:22	WG1048101
Bromodichloromethane	U		0.00712	0.0280	25	12/01/2017 08:22	WG1048101
Bromochloromethane	U		0.0109	0.140	25	12/01/2017 08:22	WG1048101
Bromoform	U		0.0119	0.0280	25	12/01/2017 08:22	WG1048101
Bromomethane	U		0.0376	0.140	25	12/01/2017 08:22	WG1048101
n-Butylbenzene	U		0.00724	0.0280	25	12/01/2017 08:22	WG1048101
sec-Butylbenzene	U		0.00563	0.0280	25	12/01/2017 08:22	WG1048101
tert-Butylbenzene	U		0.00578	0.0280	25	12/01/2017 08:22	WG1048101
Carbon disulfide	U		0.00619	0.0280	25	12/01/2017 08:22	WG1048101
Carbon tetrachloride	U		0.00920	0.0280	25	12/01/2017 08:22	WG1048101
Chlorobenzene	U		0.00595	0.0280	25	12/01/2017 08:22	WG1048101
Chlorodibromomethane	U		0.0105	0.0280	25	12/01/2017 08:22	WG1048101
Chloroethane	U		0.0265	0.140	25	12/01/2017 08:22	WG1048101
Chloroform	U		0.00642	0.140	25	12/01/2017 08:22	WG1048101
Chloromethane	U		0.0105	0.0701	25	12/01/2017 08:22	WG1048101
2-Chlorotoluene	U		0.00844	0.0280	25	12/01/2017 08:22	WG1048101
4-Chlorotoluene	U		0.00673	0.0280	25	12/01/2017 08:22	WG1048101
1,2-Dibromo-3-Chloropropane	U		0.0294	0.140	25	12/01/2017 08:22	WG1048101
1,2-Dibromoethane	U		0.00963	0.0280	25	12/01/2017 08:22	WG1048101
Dibromomethane	U		0.0107	0.0280	25	12/01/2017 08:22	WG1048101
1,2-Dichlorobenzene	U		0.00855	0.0280	25	12/01/2017 08:22	WG1048101
1,3-Dichlorobenzene	U		0.00671	0.0280	25	12/01/2017 08:22	WG1048101
1,4-Dichlorobenzene	U		0.00634	0.0280	25	12/01/2017 08:22	WG1048101
Dichlorodifluoromethane	U		0.0200	0.140	25	12/01/2017 08:22	WG1048101
1,1-Dichloroethane	U		0.00559	0.0280	25	12/01/2017 08:22	WG1048101
1,2-Dichloroethane	U		0.00743	0.0280	25	12/01/2017 08:22	WG1048101
1,1-Dichloroethene	U		0.00850	0.0280	25	12/01/2017 08:22	WG1048101
cis-1,2-Dichloroethene	1.84		0.00660	0.0280	25	12/01/2017 08:22	WG1048101
trans-1,2-Dichloroethene	0.0147	J	0.00740	0.0280	25	12/01/2017 08:22	WG1048101
1,2-Dichloropropane	U		0.0100	0.0280	25	12/01/2017 08:22	WG1048101
1,1-Dichloropropene	U		0.00889	0.0280	25	12/01/2017 08:22	WG1048101
1,3-Dichloropropane	U		0.00581	0.0280	25	12/01/2017 08:22	WG1048101
cis-1,3-Dichloropropene	U		0.00735	0.0280	25	12/01/2017 08:22	WG1048101
trans-1,3-Dichloropropene	U		0.00749	0.0280	25	12/01/2017 08:22	WG1048101
trans-1,4-Dichloro-2-butene	U		0.0218	0.0701	25	12/01/2017 08:22	WG1048101
2,2-Dichloropropane	U		0.00783	0.0280	25	12/01/2017 08:22	WG1048101
Di-isopropyl ether	U		0.00696	0.0280	25	12/01/2017 08:22	WG1048101
Ethylbenzene	U		0.00832	0.0280	25	12/01/2017 08:22	WG1048101
Hexachloro-1,3-butadiene	U		0.00959	0.0280	25	12/01/2017 08:22	WG1048101
2-Hexanone	U		0.0384	0.280	25	12/01/2017 08:22	WG1048101
n-Hexane	U		0.00813	0.280	25	12/01/2017 08:22	WG1048101
Iodomethane	U		0.0709	0.280	25	12/01/2017 08:22	WG1048101
Isopropylbenzene	U		0.00682	0.0280	25	12/01/2017 08:22	WG1048101
p-Isopropyltoluene	U		0.00572	0.0280	25	12/01/2017 08:22	WG1048101
2-Butanone (MEK)	U		0.131	0.280	25	12/01/2017 08:22	WG1048101
Methylene Chloride	U		0.0280	0.140	25	12/01/2017 08:22	WG1048101
4-Methyl-2-pentanone (MIBK)	U		0.0527	0.280	25	12/01/2017 08:22	WG1048101

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.00595	0.0280	25	12/01/2017 08:22	WG1048101
Naphthalene	U		0.0280	0.140	25	12/01/2017 08:22	WG1048101
n-Propylbenzene	U		0.00578	0.0280	25	12/01/2017 08:22	WG1048101
Styrene	U		0.00656	0.0280	25	12/01/2017 08:22	WG1048101
1,1,1,2-Tetrachloroethane	U		0.00740	0.0280	25	12/01/2017 08:22	WG1048101
1,1,2,2-Tetrachloroethane	U		0.0102	0.0280	25	12/01/2017 08:22	WG1048101
1,1,2-Trichlorotrifluoroethane	U		0.0102	0.0280	25	12/01/2017 08:22	WG1048101
Tetrachloroethene	21.7		0.155	0.561	500	12/04/2017 20:47	WG1048101
Toluene	U		0.0121	0.140	25	12/01/2017 08:22	WG1048101
1,2,3-Trichlorobenzene	U		0.00858	0.0280	25	12/01/2017 08:22	WG1048101
1,2,4-Trichlorobenzene	U		0.0109	0.0280	25	12/01/2017 08:22	WG1048101
1,1,1-Trichloroethane	U		0.00802	0.0280	25	12/01/2017 08:22	WG1048101
1,1,2-Trichloroethane	U		0.00776	0.0280	25	12/01/2017 08:22	WG1048101
Trichloroethene	0.917		0.00783	0.0280	25	12/01/2017 08:22	WG1048101
Trichlorofluoromethane	U		0.0107	0.140	25	12/01/2017 08:22	WG1048101
1,2,3-Trichloropropane	U		0.0208	0.0701	25	12/01/2017 08:22	WG1048101
1,2,4-Trimethylbenzene	U		0.00592	0.0280	25	12/01/2017 08:22	WG1048101
1,2,3-Trimethylbenzene	U		0.00806	0.0280	25	12/01/2017 08:22	WG1048101
1,3,5-Trimethylbenzene	U		0.00746	0.0280	25	12/01/2017 08:22	WG1048101
Vinyl acetate	U	J0	0.0671	0.280	25	12/01/2017 08:22	WG1048101
Vinyl chloride	0.0557		0.00817	0.0280	25	12/01/2017 08:22	WG1048101
Xylenes, Total	U		0.0195	0.0841	25	12/01/2017 08:22	WG1048101
(S) Toluene-d8	*106*			*80.0-120*		*12/01/2017 08:22*	WG1048101
(S) Toluene-d8	*106*			*80.0-120*		*12/04/2017 20:47*	WG1048101
(S) Dibromofluoromethane	*101*			*74.0-131*		*12/01/2017 08:22*	WG1048101
(S) Dibromofluoromethane	*110*			*74.0-131*		*12/04/2017 20:47*	WG1048101
(S) 4-Bromofluorobenzene	*96.4*			*64.0-132*		*12/01/2017 08:22*	WG1048101
(S) 4-Bromofluorobenzene	*96.7*			*64.0-132*		*12/04/2017 20:47*	WG1048101

Sample Narrative:

L953811-18 WG1048101: Cannot be analyzed at a lower dilution due to high levels of target analytes.

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	90.4		1	12/01/2017 11:36	WG1048267

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0111	0.0553	1	12/01/2017 08:41	WG1048101
Acrylonitrile	U		0.00198	0.0111	1	12/01/2017 08:41	WG1048101
Benzene	U		0.000299	0.00111	1	12/01/2017 08:41	WG1048101
Bromobenzene	U		0.000314	0.00111	1	12/01/2017 08:41	WG1048101
Bromodichloromethane	U		0.000281	0.00111	1	12/01/2017 08:41	WG1048101
Bromochloromethane	U		0.000431	0.00553	1	12/01/2017 08:41	WG1048101
Bromoform	U		0.000469	0.00111	1	12/01/2017 08:41	WG1048101
Bromomethane	U		0.00148	0.00553	1	12/01/2017 08:41	WG1048101
n-Butylbenzene	U		0.000285	0.00111	1	12/01/2017 08:41	WG1048101
sec-Butylbenzene	U		0.000222	0.00111	1	12/01/2017 08:41	WG1048101
tert-Butylbenzene	U		0.000228	0.00111	1	12/01/2017 08:41	WG1048101
Carbon disulfide	0.000710	J	0.000245	0.00111	1	12/01/2017 08:41	WG1048101
Carbon tetrachloride	U		0.000363	0.00111	1	12/01/2017 08:41	WG1048101
Chlorobenzene	U		0.000235	0.00111	1	12/01/2017 08:41	WG1048101
Chlorodibromomethane	U		0.000413	0.00111	1	12/01/2017 08:41	WG1048101
Chloroethane	U		0.00105	0.00553	1	12/01/2017 08:41	WG1048101
Chloroform	U		0.000253	0.00553	1	12/01/2017 08:41	WG1048101
Chloromethane	U		0.000415	0.00277	1	12/01/2017 08:41	WG1048101
2-Chlorotoluene	U		0.000333	0.00111	1	12/01/2017 08:41	WG1048101
4-Chlorotoluene	U		0.000266	0.00111	1	12/01/2017 08:41	WG1048101
1,2-Dibromo-3-Chloropropane	U		0.00116	0.00553	1	12/01/2017 08:41	WG1048101
1,2-Dibromoethane	U		0.000379	0.00111	1	12/01/2017 08:41	WG1048101
Dibromomethane	U		0.000423	0.00111	1	12/01/2017 08:41	WG1048101
1,2-Dichlorobenzene	U		0.000337	0.00111	1	12/01/2017 08:41	WG1048101
1,3-Dichlorobenzene	U		0.000264	0.00111	1	12/01/2017 08:41	WG1048101
1,4-Dichlorobenzene	U		0.000250	0.00111	1	12/01/2017 08:41	WG1048101
Dichlorodifluoromethane	U		0.000789	0.00553	1	12/01/2017 08:41	WG1048101
1,1-Dichloroethane	U		0.000220	0.00111	1	12/01/2017 08:41	WG1048101
1,2-Dichloroethane	U		0.000293	0.00111	1	12/01/2017 08:41	WG1048101
1,1-Dichloroethene	U		0.000335	0.00111	1	12/01/2017 08:41	WG1048101
cis-1,2-Dichloroethene	0.0714		0.000260	0.00111	1	12/01/2017 08:41	WG1048101
trans-1,2-Dichloroethene	0.000613	J	0.000292	0.00111	1	12/01/2017 08:41	WG1048101
1,2-Dichloropropane	U		0.000396	0.00111	1	12/01/2017 08:41	WG1048101
1,1-Dichloropropene	U		0.000351	0.00111	1	12/01/2017 08:41	WG1048101
1,3-Dichloropropane	U		0.000229	0.00111	1	12/01/2017 08:41	WG1048101
cis-1,3-Dichloropropene	U		0.000290	0.00111	1	12/01/2017 08:41	WG1048101
trans-1,3-Dichloropropene	U		0.000295	0.00111	1	12/01/2017 08:41	WG1048101
trans-1,4-Dichloro-2-butene	U		0.000861	0.00277	1	12/01/2017 08:41	WG1048101
2,2-Dichloropropane	U		0.000309	0.00111	1	12/01/2017 08:41	WG1048101
Di-isopropyl ether	U		0.000274	0.00111	1	12/01/2017 08:41	WG1048101
Ethylbenzene	U		0.000329	0.00111	1	12/01/2017 08:41	WG1048101
Hexachloro-1,3-butadiene	U		0.000378	0.00111	1	12/01/2017 08:41	WG1048101
2-Hexanone	U		0.00152	0.0111	1	12/01/2017 08:41	WG1048101
n-Hexane	U		0.000321	0.0111	1	12/01/2017 08:41	WG1048101
Iodomethane	U		0.00280	0.0111	1	12/01/2017 08:41	WG1048101
Isopropylbenzene	U		0.000269	0.00111	1	12/01/2017 08:41	WG1048101
p-Isopropyltoluene	U		0.000226	0.00111	1	12/01/2017 08:41	WG1048101
2-Butanone (MEK)	U		0.00518	0.0111	1	12/01/2017 08:41	WG1048101
Methylene Chloride	U		0.00111	0.00553	1	12/01/2017 08:41	WG1048101
4-Methyl-2-pentanone (MIBK)	U		0.00208	0.0111	1	12/01/2017 08:41	WG1048101

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000235	0.00111	1	12/01/2017 08:41	WG1048101
Naphthalene	U		0.00111	0.00553	1	12/01/2017 08:41	WG1048101
n-Propylbenzene	U		0.000228	0.00111	1	12/01/2017 08:41	WG1048101
Styrene	U		0.000259	0.00111	1	12/01/2017 08:41	WG1048101
1,1,1,2-Tetrachloroethane	U		0.000292	0.00111	1	12/01/2017 08:41	WG1048101
1,1,2,2-Tetrachloroethane	U		0.000404	0.00111	1	12/01/2017 08:41	WG1048101
1,1,2-Trichlorotrifluoroethane	U		0.000404	0.00111	1	12/01/2017 08:41	WG1048101
Tetrachloroethene	10.6		0.0173	0.0625	56.5	12/04/2017 21:07	WG1048101
Toluene	U		0.000480	0.00553	1	12/01/2017 08:41	WG1048101
1,2,3-Trichlorobenzene	U		0.000339	0.00111	1	12/01/2017 08:41	WG1048101
1,2,4-Trichlorobenzene	U		0.000429	0.00111	1	12/01/2017 08:41	WG1048101
1,1,1-Trichloroethane	U		0.000316	0.00111	1	12/01/2017 08:41	WG1048101
1,1,2-Trichloroethane	U		0.000306	0.00111	1	12/01/2017 08:41	WG1048101
Trichloroethene	0.0316		0.000309	0.00111	1	12/01/2017 08:41	WG1048101
Trichlorofluoromethane	U		0.000423	0.00553	1	12/01/2017 08:41	WG1048101
1,2,3-Trichloropropane	U		0.000820	0.00277	1	12/01/2017 08:41	WG1048101
1,2,4-Trimethylbenzene	U		0.000233	0.00111	1	12/01/2017 08:41	WG1048101
1,2,3-Trimethylbenzene	U		0.000318	0.00111	1	12/01/2017 08:41	WG1048101
1,3,5-Trimethylbenzene	U		0.000294	0.00111	1	12/01/2017 08:41	WG1048101
Vinyl acetate	U	J0	0.00264	0.0111	1	12/01/2017 08:41	WG1048101
Vinyl chloride	0.00141		0.000322	0.00111	1	12/01/2017 08:41	WG1048101
Xylenes, Total	U		0.000772	0.00332	1	12/01/2017 08:41	WG1048101
(S) Toluene-d8	*106*			*80.0-120*		*12/04/2017 21:07*	WG1048101
(S) Toluene-d8	*99.9*			*80.0-120*		*12/01/2017 08:41*	WG1048101
(S) Dibromofluoromethane	*105*			*74.0-131*		*12/01/2017 08:41*	WG1048101
(S) Dibromofluoromethane	*106*			*74.0-131*		*12/04/2017 21:07*	WG1048101
(S) 4-Bromofluorobenzene	*98.4*			*64.0-132*		*12/01/2017 08:41*	WG1048101
(S) 4-Bromofluorobenzene	*98.6*			*64.0-132*		*12/04/2017 21:07*	WG1048101

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	87.8		1	12/01/2017 11:36	WG1048267

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0114	0.0570	1	12/01/2017 09:01	WG1048101
Acrylonitrile	U		0.00204	0.0114	1	12/01/2017 09:01	WG1048101
Benzene	U		0.000308	0.00114	1	12/01/2017 09:01	WG1048101
Bromobenzene	U		0.000323	0.00114	1	12/01/2017 09:01	WG1048101
Bromodichloromethane	U		0.000289	0.00114	1	12/01/2017 09:01	WG1048101
Bromochloromethane	U		0.000444	0.00570	1	12/01/2017 09:01	WG1048101
Bromoform	U		0.000483	0.00114	1	12/01/2017 09:01	WG1048101
Bromomethane	U		0.00153	0.00570	1	12/01/2017 09:01	WG1048101
n-Butylbenzene	U		0.000294	0.00114	1	12/01/2017 09:01	WG1048101
sec-Butylbenzene	U		0.000229	0.00114	1	12/01/2017 09:01	WG1048101
tert-Butylbenzene	U		0.000235	0.00114	1	12/01/2017 09:01	WG1048101
Carbon disulfide	U		0.000252	0.00114	1	12/01/2017 09:01	WG1048101
Carbon tetrachloride	U		0.000374	0.00114	1	12/01/2017 09:01	WG1048101
Chlorobenzene	U		0.000241	0.00114	1	12/01/2017 09:01	WG1048101
Chlorodibromomethane	U		0.000425	0.00114	1	12/01/2017 09:01	WG1048101
Chloroethane	U		0.00108	0.00570	1	12/01/2017 09:01	WG1048101
Chloroform	U		0.000261	0.00570	1	12/01/2017 09:01	WG1048101
Chloromethane	U		0.000427	0.00285	1	12/01/2017 09:01	WG1048101
2-Chlorotoluene	U		0.000343	0.00114	1	12/01/2017 09:01	WG1048101
4-Chlorotoluene	U		0.000273	0.00114	1	12/01/2017 09:01	WG1048101
1,2-Dibromo-3-Chloropropane	U		0.00120	0.00570	1	12/01/2017 09:01	WG1048101
1,2-Dibromoethane	U		0.000391	0.00114	1	12/01/2017 09:01	WG1048101
Dibromomethane	U		0.000435	0.00114	1	12/01/2017 09:01	WG1048101
1,2-Dichlorobenzene	U		0.000347	0.00114	1	12/01/2017 09:01	WG1048101
1,3-Dichlorobenzene	U		0.000272	0.00114	1	12/01/2017 09:01	WG1048101
1,4-Dichlorobenzene	U		0.000257	0.00114	1	12/01/2017 09:01	WG1048101
Dichlorodifluoromethane	U		0.000812	0.00570	1	12/01/2017 09:01	WG1048101
1,1-Dichloroethane	U		0.000227	0.00114	1	12/01/2017 09:01	WG1048101
1,2-Dichloroethane	U		0.000302	0.00114	1	12/01/2017 09:01	WG1048101
1,1-Dichloroethene	U		0.000345	0.00114	1	12/01/2017 09:01	WG1048101
cis-1,2-Dichloroethene	0.00832		0.000268	0.00114	1	12/01/2017 09:01	WG1048101
trans-1,2-Dichloroethene	U		0.000301	0.00114	1	12/01/2017 09:01	WG1048101
1,2-Dichloropropane	U		0.000408	0.00114	1	12/01/2017 09:01	WG1048101
1,1-Dichloropropene	U		0.000361	0.00114	1	12/01/2017 09:01	WG1048101
1,3-Dichloropropane	U		0.000236	0.00114	1	12/01/2017 09:01	WG1048101
cis-1,3-Dichloropropene	U		0.000298	0.00114	1	12/01/2017 09:01	WG1048101
trans-1,3-Dichloropropene	U		0.000304	0.00114	1	12/01/2017 09:01	WG1048101
trans-1,4-Dichloro-2-butene	U		0.000886	0.00285	1	12/01/2017 09:01	WG1048101
2,2-Dichloropropane	U		0.000318	0.00114	1	12/01/2017 09:01	WG1048101
Di-isopropyl ether	U		0.000282	0.00114	1	12/01/2017 09:01	WG1048101
Ethylbenzene	U		0.000338	0.00114	1	12/01/2017 09:01	WG1048101
Hexachloro-1,3-butadiene	U		0.000390	0.00114	1	12/01/2017 09:01	WG1048101
2-Hexanone	U		0.00156	0.0114	1	12/01/2017 09:01	WG1048101
n-Hexane	U		0.000330	0.0114	1	12/01/2017 09:01	WG1048101
Iodomethane	U		0.00288	0.0114	1	12/01/2017 09:01	WG1048101
Isopropylbenzene	U		0.000277	0.00114	1	12/01/2017 09:01	WG1048101
p-Isopropyltoluene	U		0.000232	0.00114	1	12/01/2017 09:01	WG1048101
2-Butanone (MEK)	U		0.00533	0.0114	1	12/01/2017 09:01	WG1048101
Methylene Chloride	U		0.00114	0.00570	1	12/01/2017 09:01	WG1048101
4-Methyl-2-pentanone (MIBK)	U		0.00214	0.0114	1	12/01/2017 09:01	WG1048101

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000241	0.00114	1	12/01/2017 09:01	WG1048101
Naphthalene	U		0.00114	0.00570	1	12/01/2017 09:01	WG1048101
n-Propylbenzene	U		0.000235	0.00114	1	12/01/2017 09:01	WG1048101
Styrene	U		0.000267	0.00114	1	12/01/2017 09:01	WG1048101
1,1,1,2-Tetrachloroethane	U		0.000301	0.00114	1	12/01/2017 09:01	WG1048101
1,1,2,2-Tetrachloroethane	U		0.000416	0.00114	1	12/01/2017 09:01	WG1048101
1,1,2-Trichlorotrifluoroethane	U		0.000416	0.00114	1	12/01/2017 09:01	WG1048101
Tetrachloroethene	3.07		0.00911	0.0330	29	12/04/2017 23:48	WG1048101
Toluene	U		0.000494	0.00570	1	12/01/2017 09:01	WG1048101
1,2,3-Trichlorobenzene	U		0.000349	0.00114	1	12/01/2017 09:01	WG1048101
1,2,4-Trichlorobenzene	U		0.000442	0.00114	1	12/01/2017 09:01	WG1048101
1,1,1-Trichloroethane	U		0.000326	0.00114	1	12/01/2017 09:01	WG1048101
1,1,2-Trichloroethane	U		0.000316	0.00114	1	12/01/2017 09:01	WG1048101
Trichloroethene	0.00779		0.000318	0.00114	1	12/01/2017 09:01	WG1048101
Trichlorofluoromethane	U		0.000435	0.00570	1	12/01/2017 09:01	WG1048101
1,2,3-Trichloropropane	U		0.000844	0.00285	1	12/01/2017 09:01	WG1048101
1,2,4-Trimethylbenzene	U		0.000240	0.00114	1	12/01/2017 09:01	WG1048101
1,2,3-Trimethylbenzene	U		0.000327	0.00114	1	12/01/2017 09:01	WG1048101
1,3,5-Trimethylbenzene	U		0.000303	0.00114	1	12/01/2017 09:01	WG1048101
Vinyl acetate	U	J0	0.00272	0.0114	1	12/01/2017 09:01	WG1048101
Vinyl chloride	0.000390	J	0.000331	0.00114	1	12/01/2017 09:01	WG1048101
Xylenes, Total	U		0.000795	0.00342	1	12/01/2017 09:01	WG1048101
(S) Toluene-d8	*109*			*80.0-120*		*12/04/2017 23:48*	WG1048101
(S) Toluene-d8	*98.3*			*80.0-120*		*12/01/2017 09:01*	WG1048101
(S) Dibromofluoromethane	*107*			*74.0-131*		*12/01/2017 09:01*	WG1048101
(S) Dibromofluoromethane	*99.2*			*74.0-131*		*12/04/2017 23:48*	WG1048101
(S) 4-Bromofluorobenzene	*100*			*64.0-132*		*12/04/2017 23:48*	WG1048101
(S) 4-Bromofluorobenzene	*97.7*			*64.0-132*		*12/01/2017 09:01*	WG1048101

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

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	93.9		1	12/01/2017 11:36	WG1048267

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0106	0.0532	1	12/02/2017 02:53	WG1048471
Acrylonitrile	U		0.00191	0.0106	1	12/02/2017 02:53	WG1048471
Benzene	U		0.000287	0.00106	1	12/02/2017 02:53	WG1048471
Bromobenzene	U		0.000302	0.00106	1	12/02/2017 02:53	WG1048471
Bromodichloromethane	U		0.000270	0.00106	1	12/02/2017 02:53	WG1048471
Bromochloromethane	U		0.000415	0.00532	1	12/02/2017 02:53	WG1048471
Bromoform	U		0.000451	0.00106	1	12/02/2017 02:53	WG1048471
Bromomethane	U		0.00143	0.00532	1	12/02/2017 02:53	WG1048471
n-Butylbenzene	U		0.000275	0.00106	1	12/02/2017 02:53	WG1048471
sec-Butylbenzene	U		0.000214	0.00106	1	12/02/2017 02:53	WG1048471
tert-Butylbenzene	U		0.000219	0.00106	1	12/02/2017 02:53	WG1048471
Carbon disulfide	0.000372	J	0.000235	0.00106	1	12/02/2017 02:53	WG1048471
Carbon tetrachloride	U		0.000349	0.00106	1	12/02/2017 02:53	WG1048471
Chlorobenzene	U		0.000226	0.00106	1	12/02/2017 02:53	WG1048471
Chlorodibromomethane	U		0.000397	0.00106	1	12/02/2017 02:53	WG1048471
Chloroethane	U		0.00101	0.00532	1	12/02/2017 02:53	WG1048471
Chloroform	U		0.000244	0.00532	1	12/02/2017 02:53	WG1048471
Chloromethane	U		0.000399	0.00266	1	12/02/2017 02:53	WG1048471
2-Chlorotoluene	U		0.000320	0.00106	1	12/02/2017 02:53	WG1048471
4-Chlorotoluene	U		0.000256	0.00106	1	12/02/2017 02:53	WG1048471
1,2-Dibromo-3-Chloropropane	U		0.00112	0.00532	1	12/02/2017 02:53	WG1048471
1,2-Dibromoethane	U		0.000365	0.00106	1	12/02/2017 02:53	WG1048471
Dibromomethane	U		0.000407	0.00106	1	12/02/2017 02:53	WG1048471
1,2-Dichlorobenzene	U		0.000325	0.00106	1	12/02/2017 02:53	WG1048471
1,3-Dichlorobenzene	U		0.000254	0.00106	1	12/02/2017 02:53	WG1048471
1,4-Dichlorobenzene	U		0.000241	0.00106	1	12/02/2017 02:53	WG1048471
Dichlorodifluoromethane	U		0.000759	0.00532	1	12/02/2017 02:53	WG1048471
1,1-Dichloroethane	U		0.000212	0.00106	1	12/02/2017 02:53	WG1048471
1,2-Dichloroethane	U		0.000282	0.00106	1	12/02/2017 02:53	WG1048471
1,1-Dichloroethene	0.000856	J	0.000323	0.00106	1	12/02/2017 02:53	WG1048471
cis-1,2-Dichloroethene	0.135		0.000250	0.00106	1	12/02/2017 02:53	WG1048471
trans-1,2-Dichloroethene	0.00128		0.000281	0.00106	1	12/02/2017 02:53	WG1048471
1,2-Dichloropropane	U		0.000381	0.00106	1	12/02/2017 02:53	WG1048471
1,1-Dichloropropene	U		0.000338	0.00106	1	12/02/2017 02:53	WG1048471
1,3-Dichloropropane	U		0.000220	0.00106	1	12/02/2017 02:53	WG1048471
cis-1,3-Dichloropropene	U		0.000279	0.00106	1	12/02/2017 02:53	WG1048471
trans-1,3-Dichloropropene	U		0.000284	0.00106	1	12/02/2017 02:53	WG1048471
trans-1,4-Dichloro-2-butene	U		0.000828	0.00266	1	12/02/2017 02:53	WG1048471
2,2-Dichloropropane	U		0.000297	0.00106	1	12/02/2017 02:53	WG1048471
Di-isopropyl ether	U		0.000264	0.00106	1	12/02/2017 02:53	WG1048471
Ethylbenzene	U		0.000316	0.00106	1	12/02/2017 02:53	WG1048471
Hexachloro-1,3-butadiene	U		0.000364	0.00106	1	12/02/2017 02:53	WG1048471
2-Hexanone	U		0.00146	0.0106	1	12/02/2017 02:53	WG1048471
n-Hexane	0.00216	J	0.000309	0.0106	1	12/02/2017 02:53	WG1048471
Iodomethane	U		0.00269	0.0106	1	12/02/2017 02:53	WG1048471
Isopropylbenzene	U		0.000259	0.00106	1	12/02/2017 02:53	WG1048471
p-Isopropyltoluene	U		0.000217	0.00106	1	12/02/2017 02:53	WG1048471
2-Butanone (MEK)	U		0.00498	0.0106	1	12/02/2017 02:53	WG1048471
Methylene Chloride	U		0.00106	0.00532	1	12/02/2017 02:53	WG1048471
4-Methyl-2-pentanone (MIBK)	U		0.00200	0.0106	1	12/02/2017 02:53	WG1048471

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

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000226	0.00106	1	12/02/2017 02:53	WG1048471
Naphthalene	U		0.00106	0.00532	1	12/02/2017 02:53	WG1048471
n-Propylbenzene	U		0.000219	0.00106	1	12/02/2017 02:53	WG1048471
Styrene	U		0.000249	0.00106	1	12/02/2017 02:53	WG1048471
1,1,1,2-Tetrachloroethane	U		0.000281	0.00106	1	12/02/2017 02:53	WG1048471
1,1,2,2-Tetrachloroethane	U		0.000389	0.00106	1	12/02/2017 02:53	WG1048471
1,1,2-Trichlorotrifluoroethane	U		0.000389	0.00106	1	12/02/2017 02:53	WG1048471
Tetrachloroethene	4.80		0.0147	0.0532	50	12/02/2017 15:16	WG1048471
Toluene	U		0.000462	0.00532	1	12/02/2017 02:53	WG1048471
1,2,3-Trichlorobenzene	U		0.000326	0.00106	1	12/02/2017 02:53	WG1048471
1,2,4-Trichlorobenzene	U		0.000413	0.00106	1	12/02/2017 02:53	WG1048471
1,1,1-Trichloroethane	U		0.000305	0.00106	1	12/02/2017 02:53	WG1048471
1,1,2-Trichloroethane	U		0.000295	0.00106	1	12/02/2017 02:53	WG1048471
Trichloroethene	0.0755		0.000297	0.00106	1	12/02/2017 02:53	WG1048471
Trichlorofluoromethane	U		0.000407	0.00532	1	12/02/2017 02:53	WG1048471
1,2,3-Trichloropropane	U		0.000789	0.00266	1	12/02/2017 02:53	WG1048471
1,2,4-Trimethylbenzene	U		0.000225	0.00106	1	12/02/2017 02:53	WG1048471
1,2,3-Trimethylbenzene	U		0.000306	0.00106	1	12/02/2017 02:53	WG1048471
1,3,5-Trimethylbenzene	U		0.000283	0.00106	1	12/02/2017 02:53	WG1048471
Vinyl acetate	U		0.00254	0.0106	1	12/02/2017 02:53	WG1048471
Vinyl chloride	0.0102		0.000310	0.00106	1	12/02/2017 02:53	WG1048471
Xylenes, Total	U		0.000743	0.00319	1	12/02/2017 02:53	WG1048471
(S) Toluene-d8	*97.0*			*80.0-120*		*12/02/2017 02:53*	WG1048471
(S) Toluene-d8	*103*			*80.0-120*		*12/02/2017 15:16*	WG1048471
(S) Dibromofluoromethane	*104*			*74.0-131*		*12/02/2017 02:53*	WG1048471
(S) Dibromofluoromethane	*103*			*74.0-131*		*12/02/2017 15:16*	WG1048471
(S) 4-Bromofluorobenzene	*100*			*64.0-132*		*12/02/2017 02:53*	WG1048471
(S) 4-Bromofluorobenzene	*101*			*64.0-132*		*12/02/2017 15:16*	WG1048471

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	87.4		1	12/01/2017 11:36	WG1048267

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0114	0.0572	1	12/02/2017 03:13	WG1048471
Acrylonitrile	U		0.00205	0.0114	1	12/02/2017 03:13	WG1048471
Benzene	U		0.000309	0.00114	1	12/02/2017 03:13	WG1048471
Bromobenzene	U		0.000325	0.00114	1	12/02/2017 03:13	WG1048471
Bromodichloromethane	U		0.000291	0.00114	1	12/02/2017 03:13	WG1048471
Bromochloromethane	U		0.000446	0.00572	1	12/02/2017 03:13	WG1048471
Bromoform	U		0.000485	0.00114	1	12/02/2017 03:13	WG1048471
Bromomethane	U		0.00153	0.00572	1	12/02/2017 03:13	WG1048471
n-Butylbenzene	U		0.000295	0.00114	1	12/02/2017 03:13	WG1048471
sec-Butylbenzene	U		0.000230	0.00114	1	12/02/2017 03:13	WG1048471
tert-Butylbenzene	U		0.000236	0.00114	1	12/02/2017 03:13	WG1048471
Carbon disulfide	0.000491	J	0.000253	0.00114	1	12/02/2017 03:13	WG1048471
Carbon tetrachloride	U		0.000375	0.00114	1	12/02/2017 03:13	WG1048471
Chlorobenzene	U		0.000243	0.00114	1	12/02/2017 03:13	WG1048471
Chlorodibromomethane	U		0.000427	0.00114	1	12/02/2017 03:13	WG1048471
Chloroethane	0.00130	J	0.00108	0.00572	1	12/02/2017 03:13	WG1048471
Chloroform	0.00127	J	0.000262	0.00572	1	12/02/2017 03:13	WG1048471
Chloromethane	U		0.000429	0.00286	1	12/02/2017 03:13	WG1048471
2-Chlorotoluene	U		0.000345	0.00114	1	12/02/2017 03:13	WG1048471
4-Chlorotoluene	U		0.000275	0.00114	1	12/02/2017 03:13	WG1048471
1,2-Dibromo-3-Chloropropane	U		0.00120	0.00572	1	12/02/2017 03:13	WG1048471
1,2-Dibromoethane	U		0.000393	0.00114	1	12/02/2017 03:13	WG1048471
Dibromomethane	U		0.000437	0.00114	1	12/02/2017 03:13	WG1048471
1,2-Dichlorobenzene	U		0.000349	0.00114	1	12/02/2017 03:13	WG1048471
1,3-Dichlorobenzene	U		0.000274	0.00114	1	12/02/2017 03:13	WG1048471
1,4-Dichlorobenzene	U		0.000259	0.00114	1	12/02/2017 03:13	WG1048471
Dichlorodifluoromethane	U		0.000816	0.00572	1	12/02/2017 03:13	WG1048471
1,1-Dichloroethane	U		0.000228	0.00114	1	12/02/2017 03:13	WG1048471
1,2-Dichloroethane	U		0.000303	0.00114	1	12/02/2017 03:13	WG1048471
1,1-Dichloroethene	0.000559	J	0.000347	0.00114	1	12/02/2017 03:13	WG1048471
cis-1,2-Dichloroethene	0.112		0.000269	0.00114	1	12/02/2017 03:13	WG1048471
trans-1,2-Dichloroethene	0.000939	J	0.000302	0.00114	1	12/02/2017 03:13	WG1048471
1,2-Dichloropropane	U		0.000410	0.00114	1	12/02/2017 03:13	WG1048471
1,1-Dichloropropene	U		0.000363	0.00114	1	12/02/2017 03:13	WG1048471
1,3-Dichloropropane	U		0.000237	0.00114	1	12/02/2017 03:13	WG1048471
cis-1,3-Dichloropropene	U		0.000300	0.00114	1	12/02/2017 03:13	WG1048471
trans-1,3-Dichloropropene	U		0.000306	0.00114	1	12/02/2017 03:13	WG1048471
trans-1,4-Dichloro-2-butene	U		0.000891	0.00286	1	12/02/2017 03:13	WG1048471
2,2-Dichloropropane	U		0.000319	0.00114	1	12/02/2017 03:13	WG1048471
Di-isopropyl ether	U		0.000284	0.00114	1	12/02/2017 03:13	WG1048471
Ethylbenzene	U		0.000340	0.00114	1	12/02/2017 03:13	WG1048471
Hexachloro-1,3-butadiene	U		0.000392	0.00114	1	12/02/2017 03:13	WG1048471
2-Hexanone	U		0.00157	0.0114	1	12/02/2017 03:13	WG1048471
n-Hexane	0.0159		0.000332	0.0114	1	12/02/2017 03:13	WG1048471
Iodomethane	U		0.00290	0.0114	1	12/02/2017 03:13	WG1048471
Isopropylbenzene	U		0.000278	0.00114	1	12/02/2017 03:13	WG1048471
p-Isopropyltoluene	U		0.000234	0.00114	1	12/02/2017 03:13	WG1048471
2-Butanone (MEK)	U		0.00536	0.0114	1	12/02/2017 03:13	WG1048471
Methylene Chloride	U		0.00114	0.00572	1	12/02/2017 03:13	WG1048471
4-Methyl-2-pentanone (MIBK)	U		0.00215	0.0114	1	12/02/2017 03:13	WG1048471

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000243	0.00114	1	12/02/2017 03:13	WG1048471
Naphthalene	U		0.00114	0.00572	1	12/02/2017 03:13	WG1048471
n-Propylbenzene	U		0.000236	0.00114	1	12/02/2017 03:13	WG1048471
Styrene	U		0.000268	0.00114	1	12/02/2017 03:13	WG1048471
1,1,1,2-Tetrachloroethane	U		0.000302	0.00114	1	12/02/2017 03:13	WG1048471
1,1,2,2-Tetrachloroethane	U		0.000418	0.00114	1	12/02/2017 03:13	WG1048471
1,1,2-Trichlorotrifluoroethane	U		0.000418	0.00114	1	12/02/2017 03:13	WG1048471
Tetrachloroethene	1.75		0.0316	0.114	100	12/02/2017 15:35	WG1048471
Toluene	U		0.000497	0.00572	1	12/02/2017 03:13	WG1048471
1,2,3-Trichlorobenzene	U		0.000350	0.00114	1	12/02/2017 03:13	WG1048471
1,2,4-Trichlorobenzene	U		0.000444	0.00114	1	12/02/2017 03:13	WG1048471
1,1,1-Trichloroethane	U		0.000327	0.00114	1	12/02/2017 03:13	WG1048471
1,1,2-Trichloroethane	U		0.000317	0.00114	1	12/02/2017 03:13	WG1048471
Trichloroethene	0.0401		0.000319	0.00114	1	12/02/2017 03:13	WG1048471
Trichlorofluoromethane	U		0.000437	0.00572	1	12/02/2017 03:13	WG1048471
1,2,3-Trichloropropane	U		0.000848	0.00286	1	12/02/2017 03:13	WG1048471
1,2,4-Trimethylbenzene	U		0.000242	0.00114	1	12/02/2017 03:13	WG1048471
1,2,3-Trimethylbenzene	U		0.000329	0.00114	1	12/02/2017 03:13	WG1048471
1,3,5-Trimethylbenzene	U		0.000305	0.00114	1	12/02/2017 03:13	WG1048471
Vinyl acetate	U		0.00274	0.0114	1	12/02/2017 03:13	WG1048471
Vinyl chloride	0.0188		0.000333	0.00114	1	12/02/2017 03:13	WG1048471
Xylenes, Total	U		0.000799	0.00343	1	12/02/2017 03:13	WG1048471
(S) Toluene-d8	*102*			*80.0-120*		*12/02/2017 15:35*	WG1048471
(S) Toluene-d8	*98.0*			*80.0-120*		*12/02/2017 03:13*	WG1048471
(S) Dibromofluoromethane	*106*			*74.0-131*		*12/02/2017 03:13*	WG1048471
(S) Dibromofluoromethane	*103*			*74.0-131*		*12/02/2017 15:35*	WG1048471
(S) 4-Bromofluorobenzene	*102*			*64.0-132*		*12/02/2017 15:35*	WG1048471
(S) 4-Bromofluorobenzene	*96.4*			*64.0-132*		*12/02/2017 03:13*	WG1048471

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	7.02	J J0	1.05	25.0	1	11/30/2017 11:59	WG1047838
Acrylonitrile	U		0.873	5.00	1	11/30/2017 11:59	WG1047838
Benzene	U		0.0896	0.500	1	11/30/2017 11:59	WG1047838
Bromobenzene	U		0.133	0.500	1	11/30/2017 11:59	WG1047838
Bromodichloromethane	U		0.0800	0.500	1	11/30/2017 11:59	WG1047838
Bromochloromethane	U		0.145	0.500	1	11/30/2017 11:59	WG1047838
Bromoform	U		0.186	0.500	1	11/30/2017 11:59	WG1047838
Bromomethane	U		0.157	2.50	1	11/30/2017 11:59	WG1047838
n-Butylbenzene	U		0.143	0.500	1	11/30/2017 11:59	WG1047838
sec-Butylbenzene	U		0.134	0.500	1	11/30/2017 11:59	WG1047838
tert-Butylbenzene	U		0.183	0.500	1	11/30/2017 11:59	WG1047838
Carbon disulfide	U		0.101	0.500	1	11/30/2017 11:59	WG1047838
Carbon tetrachloride	U		0.159	0.500	1	11/30/2017 11:59	WG1047838
Chlorobenzene	U		0.140	0.500	1	11/30/2017 11:59	WG1047838
Chlorodibromomethane	U		0.128	0.500	1	11/30/2017 11:59	WG1047838
Chloroethane	U		0.141	2.50	1	11/30/2017 11:59	WG1047838
Chloroform	U		0.0860	0.500	1	11/30/2017 11:59	WG1047838
Chloromethane	U		0.153	1.25	1	11/30/2017 11:59	WG1047838
2-Chlorotoluene	U		0.111	0.500	1	11/30/2017 11:59	WG1047838
4-Chlorotoluene	U		0.0972	0.500	1	11/30/2017 11:59	WG1047838
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	11/30/2017 11:59	WG1047838
1,2-Dibromoethane	U		0.193	0.500	1	11/30/2017 11:59	WG1047838
Dibromomethane	U		0.117	0.500	1	11/30/2017 11:59	WG1047838
1,2-Dichlorobenzene	U		0.101	0.500	1	11/30/2017 11:59	WG1047838
1,3-Dichlorobenzene	U		0.130	0.500	1	11/30/2017 11:59	WG1047838
1,4-Dichlorobenzene	U		0.121	0.500	1	11/30/2017 11:59	WG1047838
Dichlorodifluoromethane	U	J0	0.127	2.50	1	11/30/2017 11:59	WG1047838
1,1-Dichloroethane	U		0.114	0.500	1	11/30/2017 11:59	WG1047838
1,2-Dichloroethane	U		0.108	0.500	1	11/30/2017 11:59	WG1047838
1,1-Dichloroethene	U		0.188	0.500	1	11/30/2017 11:59	WG1047838
cis-1,2-Dichloroethene	U		0.0933	0.500	1	11/30/2017 11:59	WG1047838
trans-1,2-Dichloroethene	U		0.152	0.500	1	11/30/2017 11:59	WG1047838
1,2-Dichloropropane	U		0.190	0.500	1	11/30/2017 11:59	WG1047838
1,1-Dichloropropene	U		0.128	0.500	1	11/30/2017 11:59	WG1047838
1,3-Dichloropropane	U		0.147	1.00	1	11/30/2017 11:59	WG1047838
cis-1,3-Dichloropropene	U		0.0976	0.500	1	11/30/2017 11:59	WG1047838
trans-1,3-Dichloropropene	U		0.222	0.500	1	11/30/2017 11:59	WG1047838
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	11/30/2017 11:59	WG1047838
2,2-Dichloropropane	U		0.0929	0.500	1	11/30/2017 11:59	WG1047838
Di-isopropyl ether	U		0.0924	0.500	1	11/30/2017 11:59	WG1047838
Ethylbenzene	U		0.158	0.500	1	11/30/2017 11:59	WG1047838
Hexachloro-1,3-butadiene	U		0.157	1.00	1	11/30/2017 11:59	WG1047838
2-Hexanone	U		0.757	5.00	1	11/30/2017 11:59	WG1047838
n-Hexane	U		0.305	5.00	1	11/30/2017 11:59	WG1047838
Iodomethane	U		0.377	10.0	1	11/30/2017 11:59	WG1047838
Isopropylbenzene	U		0.126	0.500	1	11/30/2017 11:59	WG1047838
p-Isopropyltoluene	U		0.138	0.500	1	11/30/2017 11:59	WG1047838
2-Butanone (MEK)	U		1.28	5.00	1	11/30/2017 11:59	WG1047838
Methylene Chloride	U		1.07	2.50	1	11/30/2017 11:59	WG1047838
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	11/30/2017 11:59	WG1047838
Methyl tert-butyl ether	U		0.102	0.500	1	11/30/2017 11:59	WG1047838
Naphthalene	U		0.174	2.50	1	11/30/2017 11:59	WG1047838
n-Propylbenzene	U		0.162	0.500	1	11/30/2017 11:59	WG1047838
Styrene	U		0.117	0.500	1	11/30/2017 11:59	WG1047838
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	11/30/2017 11:59	WG1047838
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	11/30/2017 11:59	WG1047838

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	11/30/2017 11:59	WG1047838
Tetrachloroethene	0.668	B	0.199	0.500	1	11/30/2017 11:59	WG1047838
Toluene	U		0.412	0.500	1	11/30/2017 11:59	WG1047838
1,2,3-Trichlorobenzene	U		0.164	0.500	1	11/30/2017 11:59	WG1047838
1,2,4-Trichlorobenzene	U		0.355	0.500	1	11/30/2017 11:59	WG1047838
1,1,1-Trichloroethane	U		0.0940	0.500	1	11/30/2017 11:59	WG1047838
1,1,2-Trichloroethane	U		0.186	0.500	1	11/30/2017 11:59	WG1047838
Trichloroethene	U		0.153	0.500	1	11/30/2017 11:59	WG1047838
Trichlorofluoromethane	U		0.130	2.50	1	11/30/2017 11:59	WG1047838
1,2,3-Trichloropropane	U		0.247	2.50	1	11/30/2017 11:59	WG1047838
1,2,4-Trimethylbenzene	U		0.123	0.500	1	11/30/2017 11:59	WG1047838
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	11/30/2017 11:59	WG1047838
1,3,5-Trimethylbenzene	U		0.124	0.500	1	11/30/2017 11:59	WG1047838
Vinyl acetate	U	J0 J4	0.645	5.00	1	11/30/2017 11:59	WG1047838
Vinyl chloride	U		0.118	0.500	1	11/30/2017 11:59	WG1047838
Xylenes, Total	U		0.316	1.50	1	11/30/2017 11:59	WG1047838
(S) Toluene-d8	*102*			*80.0-120*		*11/30/2017 11:59*	WG1047838
(S) Dibromofluoromethane	*99.5*			*76.0-123*		*11/30/2017 11:59*	WG1047838
(S) 4-Bromofluorobenzene	*95.1*			*80.0-120*		*11/30/2017 11:59*	WG1047838

Method Blank (MB)

(MB) R3270164-1 12/01/17 10:34

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.001			

L953805-02 Original Sample (OS) • Duplicate (DUP)

(OS) L953805-02 12/01/17 10:34 • (DUP) R3270164-3 12/01/17 10:34

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	83.4	82.5	1	1		5

Laboratory Control Sample (LCS)

(LCS) R3270164-2 12/01/17 10:34

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	85-115	

Method Blank (MB)

(MB) R3270155-1 12/01/17 10:11

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0			

L953811-08 Original Sample (OS) • Duplicate (DUP)

(OS) L953811-08 12/01/17 10:11 • (DUP) R3270155-3 12/01/17 10:11

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	85.9	85.4	1	1		5

Laboratory Control Sample (LCS)

(LCS) R3270155-2 12/01/17 10:11

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	85-115	

Method Blank (MB)

(MB) R3270253-1 12/01/17 11:36

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.001			

L953811-18 Original Sample (OS) • Duplicate (DUP)

(OS) L953811-18 12/01/17 11:36 • (DUP) R3270253-3 12/01/17 11:36

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	89.1	88.0	1	1		5

Laboratory Control Sample (LCS)

(LCS) R3270253-2 12/01/17 11:36

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	85-115	

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

Method Blank (MB)

(MB) R3269483-3 11/30/17 10:57

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Acetone	U		1.05	25.0
Acrylonitrile	U		0.873	5.00
Benzene	U		0.0896	0.500
Bromobenzene	U		0.133	0.500
Bromochloromethane	U		0.145	0.500
Bromodichloromethane	U		0.0800	0.500
Bromoform	U		0.186	0.500
Bromomethane	U		0.157	2.50
n-Butylbenzene	U		0.143	0.500
Carbon disulfide	U		0.101	0.500
sec-Butylbenzene	U		0.134	0.500
tert-Butylbenzene	U		0.183	0.500
Carbon tetrachloride	U		0.159	0.500
Chlorobenzene	U		0.140	0.500
Chlorodibromomethane	U		0.128	0.500
Chloroethane	U		0.141	2.50
Chloroform	U		0.0860	0.500
Chloromethane	U		0.153	1.25
2-Chlorotoluene	U		0.111	0.500
4-Chlorotoluene	U		0.0972	0.500
1,2-Dibromo-3-Chloropropane	U		0.325	2.50
1,2-Dibromoethane	U		0.193	0.500
Dibromomethane	U		0.117	0.500
1,2-Dichlorobenzene	U		0.101	0.500
1,3-Dichlorobenzene	U		0.130	0.500
1,4-Dichlorobenzene	U		0.121	0.500
Dichlorodifluoromethane	U		0.127	2.50
1,1-Dichloroethane	U		0.114	0.500
1,2-Dichloroethane	U		0.108	0.500
1,1-Dichloroethene	U		0.188	0.500
cis-1,2-Dichloroethene	U		0.0933	0.500
trans-1,2-Dichloroethene	U		0.152	0.500
1,2-Dichloropropane	U		0.190	0.500
trans-1,4-Dichloro-2-butene	U		0.257	5.00
1,1-Dichloropropene	U		0.128	0.500
1,3-Dichloropropane	U		0.147	1.00
cis-1,3-Dichloropropene	U		0.0976	0.500
trans-1,3-Dichloropropene	U		0.222	0.500
2,2-Dichloropropane	U		0.0929	0.500
n-Hexane	U		0.305	5.00

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

Method Blank (MB)

(MB) R3269483-3 11/30/17 10:57

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Di-isopropyl ether	U		0.0924	0.500
Iodomethane	U		0.377	10.0
Ethylbenzene	U		0.158	0.500
Hexachloro-1,3-butadiene	U		0.157	1.00
2-Hexanone	U		0.757	5.00
Isopropylbenzene	U		0.126	0.500
p-Isopropyltoluene	U		0.138	0.500
2-Butanone (MEK)	U		1.28	5.00
Methylene Chloride	U		1.07	2.50
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00
Methyl tert-butyl ether	U		0.102	0.500
Naphthalene	U		0.174	2.50
n-Propylbenzene	U		0.162	0.500
Vinyl acetate	U		0.645	5.00
Styrene	U		0.117	0.500
1,1,1,2-Tetrachloroethane	U		0.120	0.500
Toluene	U		0.412	0.500
1,1,2,2-Tetrachloroethane	U		0.130	0.500
Tetrachloroethene	0.324	J	0.199	0.500
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500
1,2,3-Trichlorobenzene	U		0.164	0.500
1,2,4-Trichlorobenzene	U		0.355	0.500
1,1,1-Trichloroethane	U		0.0940	0.500
1,1,2-Trichloroethane	U		0.186	0.500
Trichloroethene	U		0.153	0.500
Trichlorofluoromethane	U		0.130	2.50
1,2,3-Trichloropropane	U		0.247	2.50
1,2,3-Trimethylbenzene	U		0.0739	0.500
1,2,4-Trimethylbenzene	U		0.123	0.500
1,3,5-Trimethylbenzene	U		0.124	0.500
Xylenes, Total	U		0.316	1.50
Vinyl chloride	U		0.118	0.500
(S) Toluene-d8	*101*			*80.0-120*
(S) Dibromofluoromethane	*98.9*			*76.0-123*
(S) 4-Bromofluorobenzene	*95.7*			*80.0-120*

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

(LCS) R3269483-1 11/30/17 09:58 • (LCSD) R3269483-2 11/30/17 10:18

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Bromochloromethane	25.0	24.4	26.4	97.8	105	76.0-122			7.57	20
Carbon disulfide	25.0	25.5	27.2	102	109	55.0-127			6.33	20
Acetone	125	167	167	133	134	10.0-160			0.0771	23
Acrylonitrile	125	121	127	96.9	102	60.0-142			4.95	20
Benzene	25.0	25.4	26.6	102	106	69.0-123			4.74	20
trans-1,4-Dichloro-2-butene	25.0	21.4	22.4	85.6	89.5	55.0-134			4.55	20
Bromobenzene	25.0	23.7	24.6	94.8	98.4	79.0-120			3.68	20
Bromodichloromethane	25.0	24.3	25.6	97.1	102	76.0-120			5.40	20
Bromoform	25.0	24.1	24.8	96.2	99.3	67.0-132			3.18	20
Bromomethane	25.0	27.0	28.8	108	115	18.0-160			6.39	20
n-Hexane	25.0	28.1	28.8	112	115	56.0-124			2.51	20
Iodomethane	125	124	132	99.5	106	57.0-140			5.99	20
n-Butylbenzene	25.0	25.5	27.5	102	110	72.0-126			7.51	20
sec-Butylbenzene	25.0	25.3	27.4	101	109	74.0-121			7.82	20
tert-Butylbenzene	25.0	24.8	26.6	99.2	106	75.0-122			6.90	20
Carbon tetrachloride	25.0	24.8	25.8	99.3	103	63.0-122			3.96	20
Chlorobenzene	25.0	24.9	26.8	99.8	107	79.0-121			7.13	20
Chlorodibromomethane	25.0	25.0	26.6	99.9	106	75.0-125			6.09	20
Chloroethane	25.0	25.6	27.6	102	110	47.0-152			7.47	20
Chloroform	25.0	24.7	26.0	98.8	104	72.0-121			4.96	20
Chloromethane	25.0	24.9	26.7	99.7	107	48.0-139			7.01	20
2-Chlorotoluene	25.0	23.5	25.0	93.9	99.8	74.0-122			6.11	20
4-Chlorotoluene	25.0	24.6	26.0	98.5	104	79.0-120			5.28	20
1,2-Dibromo-3-Chloropropane	25.0	22.7	24.8	90.9	99.3	64.0-127			8.77	20
1,2-Dibromoethane	25.0	24.6	25.8	98.4	103	77.0-123			4.86	20
Dibromomethane	25.0	24.4	25.8	97.7	103	78.0-120			5.29	20
1,2-Dichlorobenzene	25.0	24.9	26.2	99.6	105	80.0-120			5.02	20
1,3-Dichlorobenzene	25.0	24.5	25.8	98.0	103	72.0-123			5.10	20
1,4-Dichlorobenzene	25.0	24.1	25.7	96.4	103	77.0-120			6.30	20
Dichlorodifluoromethane	25.0	30.2	30.4	121	122	49.0-155			0.776	20
1,1-Dichloroethane	25.0	25.1	27.0	101	108	70.0-126			7.13	20
1,2-Dichloroethane	25.0	24.0	25.2	96.1	101	67.0-126			4.84	20
1,1-Dichloroethene	25.0	26.8	28.6	107	114	64.0-129			6.44	20
Vinyl acetate	125	203	207	162	166	46.0-160	J4	J4	2.03	20
cis-1,2-Dichloroethene	25.0	24.4	26.5	97.4	106	73.0-120			8.34	20
trans-1,2-Dichloroethene	25.0	25.0	26.8	99.9	107	71.0-121			6.93	20
1,2-Dichloropropane	25.0	25.1	26.5	100	106	75.0-125			5.73	20
1,1-Dichloropropene	25.0	25.7	27.3	103	109	71.0-129			5.79	20
1,3-Dichloropropane	25.0	24.0	25.8	96.0	103	80.0-121			7.33	20
cis-1,3-Dichloropropene	25.0	25.8	27.0	103	108	79.0-123			4.45	20

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

(LCS) R3269483-1 11/30/17 09:58 • (LCSD) R3269483-2 11/30/17 10:18

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
trans-1,3-Dichloropropene	25.0	25.4	27.0	102	108	74.0-127			5.75	20
2,2-Dichloropropane	25.0	26.0	26.2	104	105	60.0-125			0.661	20
Di-isopropyl ether	25.0	24.1	25.2	96.6	101	59.0-133			4.08	20
Ethylbenzene	25.0	25.1	27.3	100	109	77.0-120			8.42	20
Hexachloro-1,3-butadiene	25.0	26.6	29.1	106	116	64.0-131			9.12	20
2-Hexanone	125	140	147	112	118	58.0-147			4.72	20
Isopropylbenzene	25.0	24.1	25.4	96.3	102	75.0-120			5.44	20
p-Isopropyltoluene	25.0	25.7	28.2	103	113	74.0-126			9.33	20
2-Butanone (MEK)	125	142	147	114	118	37.0-158			3.53	20
Methylene Chloride	25.0	24.4	25.5	97.4	102	66.0-121			4.46	20
4-Methyl-2-pentanone (MIBK)	125	130	136	104	108	59.0-143			4.57	20
Methyl tert-butyl ether	25.0	23.7	26.1	94.7	104	64.0-123			9.67	20
Naphthalene	25.0	24.3	26.5	97.2	106	62.0-128			8.62	20
n-Propylbenzene	25.0	24.8	26.3	99.0	105	79.0-120			5.87	20
Styrene	25.0	25.2	26.7	101	107	78.0-124			5.72	20
1,1,1,2-Tetrachloroethane	25.0	25.1	25.9	100	104	75.0-122			3.40	20
1,1,2,2-Tetrachloroethane	25.0	24.8	26.6	99.1	106	71.0-122			6.91	20
Tetrachloroethene	25.0	24.8	27.0	99.3	108	70.0-127			8.35	20
Toluene	25.0	25.1	26.8	101	107	77.0-120			6.41	20
1,1,2-Trichlorotrifluoroethane	25.0	26.5	27.8	106	111	61.0-136			4.87	20
1,2,3-Trichlorobenzene	25.0	24.8	27.1	99.4	108	61.0-133			8.53	20
1,2,4-Trichlorobenzene	25.0	25.3	27.6	101	111	69.0-129			8.95	20
1,1,1-Trichloroethane	25.0	25.0	26.9	100	108	68.0-122			7.30	20
1,1,2-Trichloroethane	25.0	25.4	27.0	102	108	78.0-120			6.02	20
Trichloroethene	25.0	24.7	26.7	98.9	107	78.0-120			7.67	20
Trichlorofluoromethane	25.0	26.8	28.0	107	112	56.0-137			4.31	20
1,2,3-Trichloropropane	25.0	23.2	24.6	92.8	98.5	72.0-124			5.99	20
1,2,3-Trimethylbenzene	25.0	23.7	25.1	94.8	100	75.0-120			5.55	20
1,2,4-Trimethylbenzene	25.0	24.6	25.8	98.4	103	75.0-120			4.93	20
1,3,5-Trimethylbenzene	25.0	24.5	26.3	97.9	105	75.0-120			7.01	20
Vinyl chloride	25.0	25.9	27.8	104	111	64.0-133			6.76	20
Xylenes, Total	75.0	76.5	82.3	102	110	77.0-120			7.30	20
(S) Toluene-d8				*103*	*102*	*80.0-120*				
(S) Dibromofluoromethane				*99.1*	*98.3*	*76.0-123*				
(S) 4-Bromofluorobenzene				*97.3*	*94.2*	*80.0-120*				

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

Method Blank (MB)

(MB) R3270112-3 12/01/17 01:07

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acetone	U		0.0100	0.0500
Acrylonitrile	U		0.00179	0.0100
Benzene	U		0.000270	0.00100
Bromobenzene	U		0.000284	0.00100
Bromodichloromethane	U		0.000254	0.00100
Bromochloromethane	U		0.000390	0.00500
Bromoform	U		0.000424	0.00100
Bromomethane	U		0.00134	0.00500
n-Butylbenzene	U		0.000258	0.00100
sec-Butylbenzene	U		0.000201	0.00100
tert-Butylbenzene	U		0.000206	0.00100
Carbon disulfide	U		0.000221	0.00100
Carbon tetrachloride	U		0.000328	0.00100
Chlorobenzene	U		0.000212	0.00100
Chlorodibromomethane	U		0.000373	0.00100
Chloroethane	U		0.000946	0.00500
Chloroform	U		0.000229	0.00500
Chloromethane	U		0.000375	0.00250
2-Chlorotoluene	U		0.000301	0.00100
4-Chlorotoluene	U		0.000240	0.00100
1,2-Dibromo-3-Chloropropane	U		0.00105	0.00500
1,2-Dibromoethane	U		0.000343	0.00100
Dibromomethane	U		0.000382	0.00100
1,2-Dichlorobenzene	U		0.000305	0.00100
1,3-Dichlorobenzene	U		0.000239	0.00100
1,4-Dichlorobenzene	U		0.000226	0.00100
trans-1,4-Dichloro-2-butene	U		0.000778	0.00250
Dichlorodifluoromethane	U		0.000713	0.00500
1,1-Dichloroethane	U		0.000199	0.00100
1,2-Dichloroethane	U		0.000265	0.00100
1,1-Dichloroethene	U		0.000303	0.00100
cis-1,2-Dichloroethene	U		0.000235	0.00100
trans-1,2-Dichloroethene	U		0.000264	0.00100
1,2-Dichloropropane	U		0.000358	0.00100
1,1-Dichloropropene	U		0.000317	0.00100
1,3-Dichloropropane	U		0.000207	0.00100
cis-1,3-Dichloropropene	U		0.000262	0.00100
trans-1,3-Dichloropropene	U		0.000267	0.00100
2,2-Dichloropropane	U		0.000279	0.00100
Di-isopropyl ether	U		0.000248	0.00100

Method Blank (MB)

(MB) R3270112-3 12/01/17 01:07

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Ethylbenzene	U		0.000297	0.00100
Hexachloro-1,3-butadiene	U		0.000342	0.00100
2-Hexanone	U		0.00137	0.0100
n-Hexane	U		0.000290	0.0100
Iodomethane	U		0.00253	0.0100
Isopropylbenzene	U		0.000243	0.00100
p-Isopropyltoluene	U		0.000204	0.00100
2-Butanone (MEK)	U		0.00468	0.0100
Methylene Chloride	U		0.00100	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.00188	0.0100
Methyl tert-butyl ether	U		0.000212	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.000206	0.00100
Styrene	U		0.000234	0.00100
1,1,1,2-Tetrachloroethane	U		0.000264	0.00100
1,1,2,2-Tetrachloroethane	U		0.000365	0.00100
Tetrachloroethene	U		0.000276	0.00100
Toluene	U		0.000434	0.00500
1,1,2-Trichlorotrifluoroethane	U		0.000365	0.00100
1,2,3-Trichlorobenzene	U		0.000306	0.00100
1,2,4-Trichlorobenzene	U		0.000388	0.00100
1,1,1-Trichloroethane	U		0.000286	0.00100
1,1,2-Trichloroethane	U		0.000277	0.00100
Trichloroethene	U		0.000279	0.00100
Trichlorofluoromethane	U		0.000382	0.00500
1,2,3-Trichloropropane	U		0.000741	0.00250
1,2,3-Trimethylbenzene	U		0.000287	0.00100
1,2,4-Trimethylbenzene	U		0.000211	0.00100
1,3,5-Trimethylbenzene	U		0.000266	0.00100
Vinyl acetate	U		0.00239	0.0100
Vinyl chloride	U		0.000291	0.00100
Xylenes, Total	U		0.000698	0.00300
(S) Toluene-d8	*102*			*80.0-120*
(S) Dibromofluoromethane	*104*			*74.0-131*
(S) 4-Bromofluorobenzene	*92.4*			*64.0-132*

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

(LCS) R3270112-1 12/01/17 00:05 • (LCSD) R3270112-2 12/01/17 00:25

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.125	0.123	0.131	98.4	105	11.0-160			6.66	23
Acrylonitrile	0.125	0.118	0.122	94.5	97.6	61.0-143			3.21	20
Benzene	0.0250	0.0237	0.0250	94.9	100	71.0-124			5.25	20
Bromobenzene	0.0250	0.0248	0.0245	99.1	98.0	78.0-120			1.14	20
Bromodichloromethane	0.0250	0.0258	0.0259	103	104	75.0-120			0.437	20
Bromochloromethane	0.0250	0.0241	0.0274	96.6	110	80.0-121			12.7	20
Bromoform	0.0250	0.0258	0.0245	103	98.0	65.0-133			4.99	20
Bromomethane	0.0250	0.0240	0.0282	96.1	113	26.0-160			16.2	20
n-Butylbenzene	0.0250	0.0253	0.0255	101	102	73.0-126			0.770	20
sec-Butylbenzene	0.0250	0.0263	0.0260	105	104	75.0-121			1.30	20
tert-Butylbenzene	0.0250	0.0260	0.0253	104	101	74.0-122			2.81	20
Carbon disulfide	0.0250	0.0211	0.0235	84.3	93.9	53.0-130			10.8	20
Carbon tetrachloride	0.0250	0.0232	0.0261	92.9	105	66.0-123			11.8	20
Chlorobenzene	0.0250	0.0243	0.0260	97.3	104	79.0-121			6.69	20
Chlorodibromomethane	0.0250	0.0257	0.0262	103	105	74.0-128			1.90	20
Chloroethane	0.0250	0.0229	0.0267	91.6	107	51.0-147			15.1	20
Chloroform	0.0250	0.0242	0.0263	96.8	105	73.0-123			8.32	20
Chloromethane	0.0250	0.0215	0.0247	85.9	98.7	51.0-138			13.8	20
2-Chlorotoluene	0.0250	0.0255	0.0249	102	99.8	72.0-124			2.34	20
4-Chlorotoluene	0.0250	0.0254	0.0246	101	98.4	78.0-120			3.04	20
1,2-Dibromo-3-Chloropropane	0.0250	0.0267	0.0256	107	103	65.0-126			3.99	20
1,2-Dibromoethane	0.0250	0.0246	0.0253	98.5	101	78.0-122			2.88	20
Dibromomethane	0.0250	0.0255	0.0256	102	103	79.0-120			0.696	20
1,2-Dichlorobenzene	0.0250	0.0256	0.0258	102	103	80.0-120			0.957	20
1,3-Dichlorobenzene	0.0250	0.0247	0.0249	98.7	99.5	72.0-123			0.790	20
1,4-Dichlorobenzene	0.0250	0.0243	0.0244	97.1	97.7	77.0-120			0.550	20
trans-1,4-Dichloro-2-butene	0.0250	0.0238	0.0232	95.1	92.7	68.0-126			2.45	20
Dichlorodifluoromethane	0.0250	0.0228	0.0253	91.3	101	49.0-155			10.4	20
1,1-Dichloroethane	0.0250	0.0248	0.0271	99.3	108	70.0-128			8.81	20
1,2-Dichloroethane	0.0250	0.0241	0.0245	96.3	98.1	69.0-128			1.84	20
1,1-Dichloroethene	0.0250	0.0229	0.0266	91.7	107	63.0-131			14.9	20
cis-1,2-Dichloroethene	0.0250	0.0229	0.0251	91.7	100	74.0-123			8.95	20
trans-1,2-Dichloroethene	0.0250	0.0236	0.0267	94.6	107	72.0-122			12.2	20
1,2-Dichloropropane	0.0250	0.0251	0.0260	100	104	75.0-126			3.74	20
1,1-Dichloropropene	0.0250	0.0238	0.0246	95.3	98.4	72.0-130			3.18	20
1,3-Dichloropropane	0.0250	0.0258	0.0258	103	103	80.0-121			0.0737	20
cis-1,3-Dichloropropene	0.0250	0.0253	0.0254	101	102	80.0-125			0.372	20
trans-1,3-Dichloropropene	0.0250	0.0259	0.0256	104	102	75.0-129			1.36	20
2,2-Dichloropropane	0.0250	0.0239	0.0269	95.5	107	60.0-129			11.8	20
Di-isopropyl ether	0.0250	0.0248	0.0271	99.4	108	62.0-133			8.68	20

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

(LCS) R3270112-1 12/01/17 00:05 • (LCSD) R3270112-2 12/01/17 00:25

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	mg/kg	mg/kg	mg/kg	%	%	%			%	%
Ethylbenzene	0.0250	0.0237	0.0253	94.9	101	77.0-120			6.56	20
Hexachloro-1,3-butadiene	0.0250	0.0251	0.0268	101	107	68.0-128			6.54	20
2-Hexanone	0.125	0.132	0.137	105	109	61.0-143			3.73	20
n-Hexane	0.0250	0.0227	0.0244	90.8	97.5	57.0-125			7.12	20
Iodomethane	0.125	0.116	0.133	93.0	107	67.0-132			13.6	20
Isopropylbenzene	0.0250	0.0253	0.0246	101	98.4	75.0-120			2.78	20
p-Isopropyltoluene	0.0250	0.0261	0.0259	105	104	74.0-125			0.910	20
2-Butanone (MEK)	0.125	0.123	0.122	98.2	98.0	37.0-159			0.238	20
Methylene Chloride	0.0250	0.0237	0.0267	94.9	107	67.0-123			11.9	20
4-Methyl-2-pentanone (MIBK)	0.125	0.123	0.126	98.0	101	60.0-144			3.18	20
Methyl tert-butyl ether	0.0250	0.0246	0.0280	98.3	112	66.0-125			13.0	20
Naphthalene	0.0250	0.0235	0.0248	94.1	99.0	64.0-125			5.15	20
n-Propylbenzene	0.0250	0.0251	0.0245	100	98.0	78.0-120			2.43	20
Styrene	0.0250	0.0261	0.0250	105	100	78.0-124			4.44	20
1,1,1,2-Tetrachloroethane	0.0250	0.0240	0.0257	96.2	103	74.0-124			6.83	20
1,1,2,2-Tetrachloroethane	0.0250	0.0237	0.0236	94.7	94.6	73.0-120			0.122	20
Tetrachloroethene	0.0250	0.0244	0.0248	97.7	99.4	70.0-127			1.68	20
Toluene	0.0250	0.0241	0.0247	96.6	98.8	77.0-120			2.26	20
1,1,2-Trichlorotrifluoroethane	0.0250	0.0248	0.0274	99.4	110	64.0-135			9.94	20
1,2,3-Trichlorobenzene	0.0250	0.0249	0.0260	99.5	104	68.0-126			4.53	20
1,2,4-Trichlorobenzene	0.0250	0.0244	0.0257	97.5	103	70.0-127			5.46	20
1,1,1-Trichloroethane	0.0250	0.0240	0.0268	96.0	107	69.0-125			11.0	20
1,1,2-Trichloroethane	0.0250	0.0247	0.0257	98.6	103	78.0-120			4.16	20
Trichloroethene	0.0250	0.0252	0.0250	101	100	79.0-120			0.614	20
Trichlorofluoromethane	0.0250	0.0240	0.0267	96.1	107	59.0-136			10.4	20
1,2,3-Trichloropropane	0.0250	0.0253	0.0242	101	96.7	73.0-124			4.35	20
1,2,3-Trimethylbenzene	0.0250	0.0257	0.0259	103	103	76.0-120			0.734	20
1,2,4-Trimethylbenzene	0.0250	0.0261	0.0260	104	104	75.0-120			0.447	20
1,3,5-Trimethylbenzene	0.0250	0.0258	0.0255	103	102	75.0-120			1.15	20
Vinyl acetate	0.125	0.0914	0.0950	73.1	76.0	58.0-156			3.87	20
Vinyl chloride	0.0250	0.0226	0.0252	90.5	101	63.0-134			10.9	20
Xylenes, Total	0.0750	0.0743	0.0777	99.1	104	77.0-120			4.47	20
(S) Toluene-d8				*104*	*105*	*80.0-120*				
(S) Dibromofluoromethane				*97.1*	*102*	*74.0-131*				
(S) 4-Bromofluorobenzene				*102*	*97.6*	*64.0-132*				

L953811-11 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L953811-11 12/01/17 06:06 • (MS) R3270112-4 12/01/17 09:20 • (MSD) R3270112-5 12/01/17 09:40

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acetone	0.147	U	2.13	2.67	57.9	72.5	25	10.0-160			22.5	36
Acrylonitrile	0.147	U	2.48	2.66	67.5	72.2	25	14.0-160			6.83	33
Benzene	0.0294	U	0.506	0.555	68.9	75.5	25	13.0-146			9.20	27
Bromobenzene	0.0294	U	0.510	0.545	69.3	74.1	25	10.0-149			6.60	33
Bromodichloromethane	0.0294	U	0.514	0.555	70.0	75.5	25	15.0-142			7.60	28
Bromochloromethane	0.0294	U	0.529	0.561	71.9	76.3	25	24.0-146			5.83	27
Bromoform	0.0294	U	0.490	0.531	66.6	72.2	25	10.0-147			8.02	31
Bromomethane	0.0294	U	0.358	0.415	48.7	56.4	25	10.0-160			14.8	32
n-Butylbenzene	0.0294	U	0.536	0.576	72.9	78.3	25	10.0-154			7.18	37
sec-Butylbenzene	0.0294	U	0.537	0.580	73.0	78.9	25	10.0-151			7.65	36
tert-Butylbenzene	0.0294	U	0.538	0.571	73.1	77.6	25	10.0-152			5.97	35
Carbon disulfide	0.0294	U	0.369	0.416	50.1	56.5	25	10.0-141			12.0	30
Carbon tetrachloride	0.0294	U	0.469	0.538	63.8	73.2	25	13.0-140			13.8	30
Chlorobenzene	0.0294	U	0.515	0.576	70.0	78.4	25	10.0-149			11.3	31
Chlorodibromomethane	0.0294	U	0.528	0.590	71.8	80.2	25	12.0-147			11.0	29
Chloroethane	0.0294	U	0.216	0.228	29.4	31.1	25	10.0-159			5.54	33
Chloroform	0.0294	U	0.517	0.570	70.3	77.6	25	18.0-148			9.81	28
Chloromethane	0.0294	U	0.523	0.603	71.2	82.0	25	10.0-146			14.1	29
2-Chlorotoluene	0.0294	U	0.519	0.570	70.6	77.6	25	10.0-151			9.36	35
4-Chlorotoluene	0.0294	U	0.527	0.565	71.6	76.8	25	10.0-150			6.98	35
1,2-Dibromo-3-Chloropropane	0.0294	U	0.466	0.470	63.3	64.0	25	10.0-149			1.03	34
1,2-Dibromoethane	0.0294	U	0.517	0.561	70.3	76.2	25	14.0-145			8.15	28
Dibromomethane	0.0294	U	0.528	0.560	71.9	76.2	25	18.0-144			5.87	27
1,2-Dichlorobenzene	0.0294	U	0.523	0.562	71.1	76.4	25	10.0-153			7.19	34
1,3-Dichlorobenzene	0.0294	U	0.529	0.550	72.0	74.8	25	10.0-150			3.78	35
1,4-Dichlorobenzene	0.0294	U	0.526	0.543	71.5	73.8	25	10.0-148			3.13	34
trans-1,4-Dichloro-2-butene	0.0294	U	0.482	0.505	65.6	68.6	25	10.0-160			4.53	40
Dichlorodifluoromethane	0.0294	U	0.615	0.705	83.7	95.8	25	10.0-160			13.5	30
1,1-Dichloroethane	0.0294	U	0.517	0.595	70.3	80.9	25	19.0-148			14.1	28
1,2-Dichloroethane	0.0294	U	0.508	0.560	69.1	76.2	25	17.0-147			9.84	27
1,1-Dichloroethene	0.0294	U	0.400	0.449	54.4	61.1	25	10.0-150			11.5	31
cis-1,2-Dichloroethene	0.0294	1.62	1.98	2.09	47.9	63.3	25	16.0-145			5.58	28
trans-1,2-Dichloroethene	0.0294	U	0.504	0.592	68.5	80.5	25	11.0-142			16.1	29
1,2-Dichloropropane	0.0294	U	0.518	0.574	70.5	78.1	25	17.0-148			10.3	28
1,1-Dichloropropene	0.0294	U	0.518	0.563	70.5	76.6	25	10.0-150			8.38	30
1,3-Dichloropropane	0.0294	U	0.525	0.579	71.4	78.8	25	16.0-148			9.89	27
cis-1,3-Dichloropropene	0.0294	U	0.531	0.591	72.3	80.3	25	13.0-150			10.5	28
trans-1,3-Dichloropropene	0.0294	U	0.524	0.592	71.3	80.5	25	10.0-152			12.2	29
2,2-Dichloropropane	0.0294	U	0.473	0.542	64.3	73.8	25	16.0-143			13.7	30

L953811-11 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L953811-11 12/01/17 06:06 • (MS) R3270112-4 12/01/17 09:20 • (MSD) R3270112-5 12/01/17 09:40

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Di-isopropyl ether	0.0294	U	0.519	0.571	70.6	77.7	25	16.0-149			9.61	28
Ethylbenzene	0.0294	U	0.503	0.563	68.5	76.6	25	10.0-147			11.3	31
Hexachloro-1,3-butadiene	0.0294	U	0.498	0.567	67.7	77.2	25	10.0-154			13.0	40
2-Hexanone	0.147	U	2.55	2.94	69.3	79.9	25	12.0-158			14.2	30
n-Hexane	0.0294	U	0.502	0.558	68.3	75.9	25	10.0-140			10.6	34
Iodomethane	0.147	U	2.07	2.34	56.2	63.8	25	10.0-157			12.6	34
Isopropylbenzene	0.0294	U	0.512	0.557	69.6	75.8	25	10.0-147			8.54	33
p-Isopropyltoluene	0.0294	U	0.541	0.579	73.6	78.8	25	10.0-156			6.81	37
2-Butanone (MEK)	0.147	U	2.42	2.76	65.8	75.0	25	10.0-160			13.1	33
Methylene Chloride	0.0294	U	0.503	0.571	68.4	77.6	25	16.0-139			12.6	29
4-Methyl-2-pentanone (MIBK)	0.147	U	2.52	2.67	68.5	72.6	25	12.0-160			5.88	32
Methyl tert-butyl ether	0.0294	U	0.493	0.548	67.1	74.5	25	21.0-145			10.4	29
Naphthalene	0.0294	U	0.409	0.441	55.7	60.0	25	10.0-153			7.58	36
n-Propylbenzene	0.0294	U	0.514	0.558	69.9	75.9	25	10.0-151			8.18	34
Styrene	0.0294	U	0.528	0.575	71.9	78.2	25	10.0-155			8.48	34
1,1,1,2-Tetrachloroethane	0.0294	U	0.541	0.565	73.6	76.8	25	10.0-147			4.18	30
1,1,2,2-Tetrachloroethane	0.0294	U	0.490	0.513	66.7	69.8	25	10.0-155			4.51	31
Tetrachloroethene	0.0294	4.26	4.22	4.50	0.000	33.5	25	10.0-144	V	E	6.41	32
Toluene	0.0294	U	0.505	0.568	68.6	77.2	25	10.0-144			11.7	28
1,1,2-Trichlorotrifluoroethane	0.0294	U	0.430	0.490	58.5	66.6	25	10.0-153			12.9	33
1,2,3-Trichlorobenzene	0.0294	U	0.447	0.487	60.8	66.3	25	10.0-153			8.64	40
1,2,4-Trichlorobenzene	0.0294	U	0.476	0.518	64.7	70.4	25	10.0-156			8.43	40
1,1,1-Trichloroethane	0.0294	U	0.497	0.556	67.5	75.6	25	18.0-145			11.3	29
1,1,2-Trichloroethane	0.0294	U	0.508	0.575	69.1	78.2	25	12.0-151			12.4	28
Trichloroethene	0.0294	0.353	0.841	0.867	66.4	70.0	25	11.0-148			3.10	29
Trichlorofluoromethane	0.0294	U	0.377	0.445	51.2	60.6	25	10.0-157			16.7	34
1,2,3-Trichloropropane	0.0294	U	0.507	0.514	69.0	70.0	25	10.0-154			1.39	32
1,2,3-Trimethylbenzene	0.0294	U	0.530	0.569	72.1	77.4	25	10.0-150			7.03	33
1,2,4-Trimethylbenzene	0.0294	U	0.544	0.587	74.0	79.9	25	10.0-151			7.72	34
1,3,5-Trimethylbenzene	0.0294	U	0.526	0.570	71.5	77.5	25	10.0-150			8.01	33
Vinyl acetate	0.147	U	1.87	1.92	50.9	52.1	25	10.0-160			2.29	40
Vinyl chloride	0.0294	0.0460	0.557	0.660	69.5	83.5	25	10.0-150			16.9	29
Xylenes, Total	0.0882	U	1.58	1.76	71.4	79.6	25	10.0-150			10.8	31
(S) Toluene-d8					*105*	*107*		*80.0-120*				
(S) Dibromofluoromethane					*102*	*98.0*		*74.0-131*				
(S) 4-Bromofluorobenzene					*102*	*101*		*64.0-132*				

Sample Narrative:

OS: Cannot be analyzed at a lower dilution due to high levels of target analytes.

Method Blank (MB)

(MB) R3269843-3 12/01/17 23:57

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acetone	U		0.0100	0.0500
Acrylonitrile	U		0.00179	0.0100
Benzene	U		0.000270	0.00100
Bromobenzene	U		0.000284	0.00100
Bromodichloromethane	U		0.000254	0.00100
Bromochloromethane	U		0.000390	0.00500
Bromoform	U		0.000424	0.00100
Bromomethane	U		0.00134	0.00500
n-Butylbenzene	U		0.000258	0.00100
sec-Butylbenzene	U		0.000201	0.00100
tert-Butylbenzene	U		0.000206	0.00100
Carbon disulfide	U		0.000221	0.00100
Carbon tetrachloride	U		0.000328	0.00100
Chlorobenzene	U		0.000212	0.00100
Chlorodibromomethane	U		0.000373	0.00100
Chloroethane	U		0.000946	0.00500
Chloroform	U		0.000229	0.00500
Chloromethane	U		0.000375	0.00250
2-Chlorotoluene	U		0.000301	0.00100
4-Chlorotoluene	U		0.000240	0.00100
1,2-Dibromo-3-Chloropropane	U		0.00105	0.00500
1,2-Dibromoethane	U		0.000343	0.00100
Dibromomethane	U		0.000382	0.00100
1,2-Dichlorobenzene	U		0.000305	0.00100
1,3-Dichlorobenzene	U		0.000239	0.00100
1,4-Dichlorobenzene	U		0.000226	0.00100
trans-1,4-Dichloro-2-butene	U		0.000778	0.00250
Dichlorodifluoromethane	U		0.000713	0.00500
1,1-Dichloroethane	U		0.000199	0.00100
1,2-Dichloroethane	U		0.000265	0.00100
1,1-Dichloroethene	U		0.000303	0.00100
cis-1,2-Dichloroethene	U		0.000235	0.00100
trans-1,2-Dichloroethene	U		0.000264	0.00100
1,2-Dichloropropane	U		0.000358	0.00100
1,1-Dichloropropene	U		0.000317	0.00100
1,3-Dichloropropane	U		0.000207	0.00100
cis-1,3-Dichloropropene	U		0.000262	0.00100
trans-1,3-Dichloropropene	U		0.000267	0.00100
2,2-Dichloropropane	U		0.000279	0.00100
Di-isopropyl ether	U		0.000248	0.00100

Method Blank (MB)

(MB) R3269843-3 12/01/17 23:57

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Ethylbenzene	U		0.000297	0.00100
2-Hexanone	U		0.00137	0.0100
Hexachloro-1,3-butadiene	U		0.000342	0.00100
Iodomethane	U		0.00253	0.0100
n-Hexane	U		0.000290	0.0100
Isopropylbenzene	U		0.000243	0.00100
p-Isopropyltoluene	U		0.000204	0.00100
2-Butanone (MEK)	U		0.00468	0.0100
Methylene Chloride	U		0.00100	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.00188	0.0100
Methyl tert-butyl ether	U		0.000212	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.000206	0.00100
Styrene	U		0.000234	0.00100
1,1,1,2-Tetrachloroethane	U		0.000264	0.00100
1,1,2,2-Tetrachloroethane	U		0.000365	0.00100
Tetrachloroethene	U		0.000276	0.00100
Toluene	U		0.000434	0.00500
1,1,2-Trichlorotrifluoroethane	U		0.000365	0.00100
1,2,3-Trichlorobenzene	U		0.000306	0.00100
1,2,4-Trichlorobenzene	U		0.000388	0.00100
1,1,1-Trichloroethane	U		0.000286	0.00100
1,1,2-Trichloroethane	U		0.000277	0.00100
Trichloroethene	U		0.000279	0.00100
Trichlorofluoromethane	U		0.000382	0.00500
Vinyl acetate	U		0.00239	0.0100
1,2,3-Trichloropropane	U		0.000741	0.00250
1,2,3-Trimethylbenzene	U		0.000287	0.00100
1,2,4-Trimethylbenzene	U		0.000211	0.00100
1,3,5-Trimethylbenzene	U		0.000266	0.00100
Vinyl chloride	U		0.000291	0.00100
Xylenes, Total	U		0.000698	0.00300
(S) Toluene-d8	*103*			*80.0-120*
(S) Dibromofluoromethane	*99.8*			*74.0-131*
(S) 4-Bromofluorobenzene	*97.6*			*64.0-132*

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

(LCS) R3269843-1 12/01/17 22:25 • (LCSD) R3269843-2 12/01/17 22:44

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.125	0.139	0.151	111	121	11.0-160			8.26	23
Acrylonitrile	0.125	0.128	0.135	102	108	61.0-143			5.76	20
Benzene	0.0250	0.0263	0.0268	105	107	71.0-124			1.92	20
Bromobenzene	0.0250	0.0269	0.0269	107	108	78.0-120			0.296	20
Bromodichloromethane	0.0250	0.0275	0.0289	110	115	75.0-120			4.85	20
Bromoform	0.0250	0.0275	0.0279	110	112	65.0-133			1.31	20
Bromochloromethane	0.0250	0.0279	0.0280	112	112	80.0-121			0.523	20
Bromomethane	0.0250	0.0297	0.0315	119	126	26.0-160			5.79	20
n-Butylbenzene	0.0250	0.0290	0.0289	116	115	73.0-126			0.487	20
sec-Butylbenzene	0.0250	0.0287	0.0288	115	115	75.0-121			0.452	20
tert-Butylbenzene	0.0250	0.0284	0.0285	114	114	74.0-122			0.131	20
Carbon tetrachloride	0.0250	0.0267	0.0280	107	112	66.0-123			4.56	20
Carbon disulfide	0.0250	0.0244	0.0250	97.5	100	53.0-130			2.63	20
Chlorobenzene	0.0250	0.0268	0.0267	107	107	79.0-121			0.354	20
Chlorodibromomethane	0.0250	0.0282	0.0277	113	111	74.0-128			1.73	20
Chloroethane	0.0250	0.0272	0.0291	109	116	51.0-147			6.67	20
Chloroform	0.0250	0.0272	0.0280	109	112	73.0-123			2.80	20
Chloromethane	0.0250	0.0276	0.0293	110	117	51.0-138			6.03	20
2-Chlorotoluene	0.0250	0.0276	0.0277	110	111	72.0-124			0.489	20
4-Chlorotoluene	0.0250	0.0280	0.0280	112	112	78.0-120			0.0727	20
1,2-Dibromo-3-Chloropropane	0.0250	0.0279	0.0297	112	119	65.0-126			6.13	20
1,2-Dibromoethane	0.0250	0.0263	0.0270	105	108	78.0-122			2.88	20
Dibromomethane	0.0250	0.0282	0.0284	113	113	79.0-120			0.569	20
1,2-Dichlorobenzene	0.0250	0.0285	0.0288	114	115	80.0-120			1.10	20
1,3-Dichlorobenzene	0.0250	0.0280	0.0276	112	111	72.0-123			1.25	20
1,4-Dichlorobenzene	0.0250	0.0282	0.0274	113	110	77.0-120			2.73	20
Dichlorodifluoromethane	0.0250	0.0335	0.0347	134	139	49.0-155			3.46	20
trans-1,4-Dichloro-2-butene	0.0250	0.0274	0.0262	109	105	68.0-126			4.35	20
1,1-Dichloroethane	0.0250	0.0281	0.0288	113	115	70.0-128			2.29	20
1,2-Dichloroethane	0.0250	0.0263	0.0266	105	106	69.0-128			0.772	20
1,1-Dichloroethene	0.0250	0.0274	0.0279	110	112	63.0-131			1.67	20
cis-1,2-Dichloroethene	0.0250	0.0267	0.0274	107	110	74.0-123			2.76	20
trans-1,2-Dichloroethene	0.0250	0.0276	0.0294	110	117	72.0-122			6.15	20
1,2-Dichloropropane	0.0250	0.0277	0.0272	111	109	75.0-126			1.81	20
1,1-Dichloropropene	0.0250	0.0265	0.0275	106	110	72.0-130			3.72	20
1,3-Dichloropropane	0.0250	0.0279	0.0271	112	109	80.0-121			2.66	20
cis-1,3-Dichloropropene	0.0250	0.0278	0.0274	111	109	80.0-125			1.72	20
trans-1,3-Dichloropropene	0.0250	0.0276	0.0273	111	109	75.0-129			1.02	20
2,2-Dichloropropane	0.0250	0.0276	0.0284	111	114	60.0-129			2.86	20
Di-isopropyl ether	0.0250	0.0279	0.0294	112	117	62.0-133			5.22	20

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

(LCS) R3269843-1 12/01/17 22:25 • (LCSD) R3269843-2 12/01/17 22:44

	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	%	%	%			%	%
Ethylbenzene	0.0250	0.0262	0.0265	105	106	77.0-120			1.07	20
Hexachloro-1,3-butadiene	0.0250	0.0287	0.0290	115	116	68.0-128			0.770	20
n-Hexane	0.0250	0.0251	0.0256	100	102	57.0-125			2.21	20
2-Hexanone	0.125	0.143	0.150	115	120	61.0-143			4.53	20
Isopropylbenzene	0.0250	0.0275	0.0274	110	109	75.0-120			0.372	20
Iodomethane	0.125	0.139	0.146	111	117	67.0-132			5.29	20
p-Isopropyltoluene	0.0250	0.0291	0.0292	117	117	74.0-125			0.112	20
2-Butanone (MEK)	0.125	0.136	0.144	109	115	37.0-159			5.82	20
Methylene Chloride	0.0250	0.0276	0.0286	111	115	67.0-123			3.52	20
4-Methyl-2-pentanone (MIBK)	0.125	0.134	0.137	107	109	60.0-144			2.09	20
Methyl tert-butyl ether	0.0250	0.0275	0.0288	110	115	66.0-125			4.64	20
Naphthalene	0.0250	0.0265	0.0274	106	110	64.0-125			3.41	20
n-Propylbenzene	0.0250	0.0275	0.0275	110	110	78.0-120			0.0711	20
Styrene	0.0250	0.0282	0.0282	113	113	78.0-124			0.0250	20
1,1,1,2-Tetrachloroethane	0.0250	0.0273	0.0278	109	111	74.0-124			1.88	20
1,1,2,2-Tetrachloroethane	0.0250	0.0268	0.0265	107	106	73.0-120			1.25	20
Tetrachloroethene	0.0250	0.0264	0.0263	106	105	70.0-127			0.344	20
Toluene	0.0250	0.0258	0.0262	103	105	77.0-120			1.60	20
1,1,2-Trichlorotrifluoroethane	0.0250	0.0294	0.0309	118	124	64.0-135			5.03	20
1,2,3-Trichlorobenzene	0.0250	0.0289	0.0291	116	117	68.0-126			0.820	20
1,2,4-Trichlorobenzene	0.0250	0.0296	0.0287	118	115	70.0-127			2.99	20
1,1,1-Trichloroethane	0.0250	0.0271	0.0288	108	115	69.0-125			5.91	20
1,1,2-Trichloroethane	0.0250	0.0258	0.0265	103	106	78.0-120			2.81	20
Trichloroethene	0.0250	0.0267	0.0264	107	105	79.0-120			1.38	20
Trichlorofluoromethane	0.0250	0.0282	0.0297	113	119	59.0-136			5.22	20
1,2,3-Trichloropropane	0.0250	0.0278	0.0261	111	104	73.0-124			6.54	20
1,2,3-Trimethylbenzene	0.0250	0.0284	0.0285	113	114	76.0-120			0.547	20
1,2,4-Trimethylbenzene	0.0250	0.0289	0.0292	116	117	75.0-120			0.982	20
1,3,5-Trimethylbenzene	0.0250	0.0285	0.0282	114	113	75.0-120			1.00	20
Vinyl chloride	0.0250	0.0283	0.0292	113	117	63.0-134			3.06	20
Xylenes, Total	0.0750	0.0806	0.0820	107	109	77.0-120			1.72	20
Vinyl acetate	0.125	0.135	0.124	108	99.0	58.0-156			8.70	20
(S) Toluene-d8				*102*	*102*	*80.0-120*				
(S) Dibromofluoromethane				*96.9*	*101*	*74.0-131*				
(S) 4-Bromofluorobenzene				*101*	*99.9*	*64.0-132*				

Guide to Reading and Understanding Your Laboratory Report

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

Abbreviations and Definitions

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

Qualifier	Description
B	The same analyte is found in the associated blank.
E	The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL).
J	The identification of the analyte is acceptable; the reported value is an estimate.
J0	J0: Calibration verification outside of acceptance limits. Result is estimated.
J4	The associated batch QC was outside the established quality control range for accuracy.
V	The sample concentration is too high to evaluate accurate spike recoveries.

ACCREDITATIONS & LOCATIONS

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

State Accreditations

Alabama	40660	Nevada	TN-03-2002-34
Alaska	UST-080	New Hampshire	2975
Arizona	AZ0612	New Jersey–NELAP	TN002
Arkansas	88-0469	New Mexico	TN00003
California	01157CA	New York	11742
Colorado	TN00003	North Carolina	Env375
Conneticut	PH-0197	North Carolina[1]	DW21704
Florida	E87487	North Carolina[2]	41
Georgia	NELAP	North Dakota	R-140
Georgia[1]	923	Ohio–VAP	CL0069
Idaho	TN00003	Oklahoma	9915
Illinois	200008	Oregon	TN200002
Indiana	C-TN-01	Pennsylvania	68-02979
Iowa	364	Rhode Island	221
Kansas	E-10277	South Carolina	84004
Kentucky[1]	90010	South Dakota	n/a
Kentucky[2]	16	Tennessee[1,4]	2006
Louisiana	AI30792	Texas	T 104704245-07-TX
Maine	TN0002	Texas[5]	LAB0152
Maryland	324	Utah	6157585858
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	109
Minnesota	047-999-395	Washington	C1915
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	9980939910
Montana	CERT0086	Wyoming	A2LA
Nebraska	NE-OS-15-05		

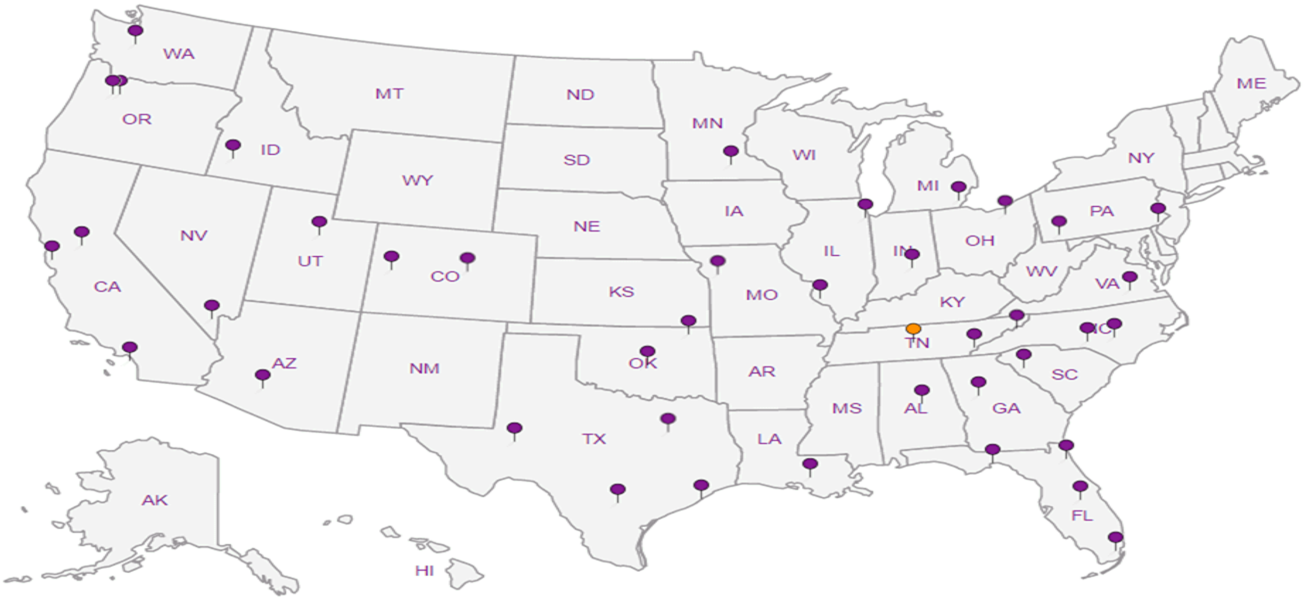
Third Party & Federal Accreditations

A2LA – ISO 17025	1461.01	AIHA-LAP,LLC	100789
A2LA – ISO 17025[5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	S-67674
EPA–Crypto	TN00003		

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

Our Locations

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



PES Environmental, Inc.- WA

1215 Fourth Ave., Suite 1350
Seattle, WA 98161

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

Pres Chk

Chain of Custody Page 1 of 3

ESC
LAB SCIENCES
a subsidiary of Pace Analytical

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

L# 953811

B040

Acctnum: PESENVSWA
Template: T130006
Prelogin: P626805
TSR: 110 - Brian Ford
PB: 11-14-17 CS
Shipped Via: FedEX Ground

Report to:
Bill Haldeman

Email To: bhaldeman@pesenv.com

Project Description: American Linen Project

City/State Collected: Seattle, WA

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

Client Project #
1413.001.02.602

Lab Project #
PESENVSWA-ALP

Collected by (print): Karsten Springstead

Site/Facility ID #
1413.001.02.602

P.O. #
1413.001.02.602

Quote #

Collected by (signature):

Immediately Packed on Ice N ___ Y X

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

Date Results Needed

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260C VOCs 40ml/NaHS04/Syr/MeOH	dry wt/voc screen 2ozClr-NoPres	Remarks	Sample # (lab only)
B-224-6	Grab	SS	6	11-27-17	1020	5	X	X		-01
B-224-11	↓	SS	11	↓	1030	↓	X	X		-02
B-224-16		SS	16		1040		X	X		-03
B-224-21.5		SS	21.5		1050		X	X		-04
B-224-26		SS	26		1100		X	X		-05
B-224-31		SS	31		1115		X	X		-06
B-224-36		SS	36		1200		X	X		-07
B-224-41		SS	41		1215		~~X~~	~~X~~ Hold	Hold	
B-224-45		SS	45		1220		~~X~~	~~X~~ Hold	Hold	
B-224-50	↓	SS	50	↓	1230	↓	~~X~~	~~X~~ Hold	Hold	

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

Remarks:

pH ______ Temp ______
Flow ______ Other ______

Samples returned via:
__ UPS X FedEx __ Courier ______

Tracking # 4142 5219 0891

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

Relinquished by : (Signature)	Date: 11-28-17	Time: 1130	Received by: (Signature)
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature) 8163

Trip Blank Received: [✓ Yes] / No
HCL / MeoH
TBR

Temp: 2.7 °C
Bottles Received: ~~108~~ 129

Date: 11/29/17
Time: 0845

If preservation required by Login: Date/Time

Hold: 11-143

Condition: NCF / [✓ OK]

Chain of Custody Page 2 of 3

ESC
L·A·B S·C·I·E·N·C·E·S
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12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

PES Environmental, Inc.- WA

1215 Fourth Ave., Suite 1350
Seattle, WA 98161

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

Pres Chk

Report to: **Bill Haldeman**

Email To: **bhaldeman@pesenv.com**

Project Description: **American Linen Project**

City/State Collected:

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

Client Project # **1413.001.02.602**

Lab Project # **PESENVSWA-ALP**

Collected by (print): Karsten Springstad

Site/Facility ID # 1413.001.02.602

P.O. # 1413.001.02.602

Collected by (signature):

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

Quote #

Date Results Needed

Immediately Packed on Ice N ___ Y X

L #
Table # B040
Acctnum: **PESENVSWA**
Template: **T130006**
Prelogin: **P626805**
TSR: **110 - Brian Ford**
PB: 11-14-17 CS
Shipped Via: **FedEX Ground**

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260C VOCs 40ml/NaHS04/Syr/MeOH	dry wt/voc screen 2ozClr-NoPres		Remarks	Sample # (lab only)
B-224-55	Grab	SS	55	11-27-17	1240	5	~~X~~	~~X~~	Hold	Hold	
B-224-60.5	↓	SS	60.5	↓	1255	~~5~~ 4	X	X			-08
B-225-5		SS	5		1435	5	X	X			-09
B-225-11		SS	11		1440	5	X	X			-10
B-225-16		SS	16		1450	5	X	X			-11
B-225-21		SS	21		1500	5	X	X			-12
B-225-26		SS	26		1510	5	X	X			-13
B-225-31		SS	31		1520	5	X	X			-14
B-225-36		SS	36		1530	5	X	X			-15
B-225-40.5	↓	SS	40.5	↓	1540	5	~~X~~	~~X~~	Hold	Hold	

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

Remarks:

pH ______ Temp ______
Flow ______ Other ______

Samples returned via:
__ UPS [✓ FedEx] __ Courier __ ______

Tracking # 4142 5219 0891

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

Relinquished by : (Signature)	Date: 11-28-17	Time: 1430	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 2.3 °C	Bottles Received: ~~100~~ 129
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature) 863	Date: 11/29/17	Time: 0845

If preservation required by Login: Date/Time

Hold:

Condition: NCF / [✓ OK]

Chain of Custody Page 3 of 3

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

PES Environmental, Inc.- WA

1215 Fourth Ave., Suite 1350
Seattle, WA 98161

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

Pres Chk

Report to: **Bill Haldeman**

Email To: bhaldeman@pesenv.com

Project Description: **American Linen Project**

City/State Collected:

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

Client Project # 1413.001.02.602

Lab Project # PESENVSWA-ALP

Collected by (print): Karsten Grinstead

Site/Facility ID # 1413.001.02.602

P.O. # 1413.001.02.602

Collected by (signature):

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

Quote #

Date Results Needed

Immediately Packed on Ice N ___ Y X

L #

Table # B040

Acctnum: PESENVSWA
Template: T130006
Prelogin: P626805
TSR: 110 - Brian Ford
PB: 11-14-17 CS
Shipped Via: FedEX Ground

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260C VOCs 40ml/NaHS04/Syr/MeOH	dry wt/voc screen 2ozClr-NoPres	Remarks	Sample # (lab only)
B-226-6	Grab	SS	6	11-28-17	915	4	X	X		-16
B-226-11		SS	11		925	5	X	X		-17
B-226-16		SS	16		935	5	X	X		-18
B-920-35		SS	35		1600	5	X	X		-19
B-226-21		SS	21		950	4	X	X		-20
B-226-31.5		SS	31.5		1005	5	X	X		-21
B-226-40		SS	40		1100	5	X	X		-22
TRIPBLANK-112817		SS				1	X			-23
		SS								
		SS								

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

Remarks:

pH ______ Temp ______
Flow ______ Other ______

Samples returned via:
__ UPS [✓ FedEx] __ Courier ______

Tracking # 4142 5219 0891

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

Relinquished by : (Signature)	Date: 11-28-17	Time: 1130	Received by: (Signature)	Trip Blank Received: [✓ Yes] / No [✓ HCl] / MeoH TBR
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 2.3 °C Bottles Received: ~~108~~ 129
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature) 8123	Date: 11/29/17 Time: 0845

If preservation required by Login: Date/Time

Hold:

Condition: NCF / [✓ OK]

MEMORANDUM

TO: Project File **DATE:** December 22, 2017

FROM: Jessie Compeau

SUBJECT: Laboratory Data Validation Review

PROJECT: Former American Linen Supply Site, Seattle WA

PROJECT #: 1413.001.02.604

TASK: November 27 and 28, 2017 – Soil Samples

LAB: ESC Lab ID L953811

Twenty-seven (27) soil samples and a trip blank were collected as part of a sampling event at the Former American Linen Supply Site, in Seattle, Washington, on November 27 and 28, 2017. The samples were shipped and delivered to ESC Lab Sciences (ESC) of Mount Juliet, TN for laboratory analysis. Five soil samples were placed on hold. Selected samples were analyzed for the following:

- Volatile organic compounds (VOCs) by United States Environmental Protection Agency (USEPA) Method 8260C; and
- Total Solids by Standard Methods 2540 G-2011.

The results are reported in ESC Sample Delivery Group (SDG) L953811. The quarterly monitoring round occurred between November and December of 2017. Associated sample data are reported in 5 ESC SDGs (SDGs L953811, L954448, L954694, L955420, and L956226). The quality assurance review of the sample data associated with SDG L953811 is summarized below.

DATA QUALIFICATIONS

Guidelines established by USEPA for a limited data validation review of analytical data along with ESC control limit criteria were used to validate the data. The comments presented in this memorandum refer to the laboratory's performance in meeting the quality control criteria outlined in the USEPA Contract Laboratory Program National Functional Guidelines for Organic Superfund Methods Data Review (USEPA, 2017).

DATA VALIDATION

Completeness

All samples were collected and analyzed as requested.

Sample Collection and Preservation

Samples were collected on November 27 and 28, 2017 in laboratory-supplied sample containers preserved as appropriate for the individual analyses conducted. The samples were packed on ice and shipped overnight by courier to ESC. The laboratory reported that the cooler and samples were received at 2.3 degrees Centigrade (°C) and below the recommended temperature preservation of 6°C. The laboratory indicated that the samples were received in good condition. No data were qualified based upon the sample collection and preservation information with the following discussion:

- Trip Blank collection date and time are not listed on the chain of custody. No action is taken other than to note this. The laboratory listed a default collection time of November 27, 2017.

Holding Times

USEPA Method 8260C:
All samples were analyzed for VOCs within the USEPA recommended holding time of fourteen days for soils and preserved water (trip blank) from the date of sample collection. All holding time criteria were met.

General Chemistry (Total Solids):
Samples were analyzed within the USEPA recommended holding time of seven days for total solids. All holding time criteria were met.

Initial and Continuing Calibration

Calibration data for this project are not required for this deliverable however ESC's notes indicate the following:

- *USEPA Method 8260C:* Continuing calibration verification (CCV) issues were noted by ESC for vinyl acetate associated with analytical batch WG1048101 (analyzed on December 1, 2017). These results are qualified by the laboratory "J0" to indicate that percent difference CCV is outside of laboratory acceptance criteria. **All associated sample results with laboratory qualified J0 results are estimated and qualified (UJ or J).**

- *USEPA Method 8260C:* Continuing calibration verification (CCV) issues were noted by ESC for acetone, dichlorodifluoromethane, and vinyl acetate associated with analytical batch WG1047838 (analyzed on November 30, 2017). These results are qualified by the laboratory "J0" to indicate that percent difference CCVs are outside of laboratory acceptance criteria. **The associated sample (Trip Blank) results with laboratory qualified J0 results are estimated and qualified (UJ or J).**

Method Blank Results

USEPA Method 8260C:

Laboratory method blank was included with the analytical batch per method requirement. The target analytes (VOCs) were not detected in the method blanks at or above the reported detection limits (RDLs) with the following discussion:

- Tetrachloroethene was detected between the method detection limit (MDL) and the RDL in the method blank associated with the Trip Blank. Refer to the discussion under Trip Blank results for additional information.

Total Solids by SM 2540 G 2011:
Laboratory method blank was included with the analytical batches per method requirement. The target analytes (% solids) were not detected at a significant level in the method blanks and sample results are not impacted.

Trip Blank Results

USEPA Method 8260C:
A trip blank was collected and analyzed. The target analytes (VOCs) were not detected in the trip blank at or above the reported detection limits (RDLs) with the following exceptions:

- Tetrachloroethene (PCE) was detected in the Trip Blank slightly above the RDL. PCE was also detected in the associated method blank at 0.324 µg/L which suggests that the source of contamination may be in the analytical system. No action was taken with the associated soil samples since tetrachloroethene was not detected in associated method blanks for soils.

- Acetone was detected in the Trip Blank between MDL and the RDL. **Sample B-224-6, B-224-11, and B-226-11 results for acetone are less than the RDL and per NFG guidelines qualified as not detected (U) due to contamination in the Trip Blank.**

Field, Rinsate, or Equipment Blank Results

Field, rinsate, or equipment blanks were not collected.

Field Duplicate Analyses

Field duplicate (samples B-226-16/ B-920-35) VOC and percent solid results are comparable and less than 30% RPD with the following exceptions:

- Field duplicate sample pair RPDs are greater than 30% for cis-1,2-dichloroethene, tetrachloroethene, trichloroethene and vinyl chloride. **Sample field duplicate (B-228-16/ B-921-22) results for cis-1,2-dichloroethene, tetrachloroethene, trichloroethene, and vinyl chloride are estimated and qualified (J) due to poor field precision.**

Laboratory Duplicate Analyses

USEPA Method 8260C:
A laboratory duplicate sample was not analyzed. Refer to laboratory control sample/sample

duplicate (LCS/LCSD) or matrix spike/matrix spike duplicates (MS/MSDs) results for precision data.

Total Solids by SM 2540 G 2011:
Laboratory duplicate sample analyses were performed on client samples B-224-60.5 and B-226-16 and on a non-client sample. The primary/duplicate RPDs for total solids analyses are within the laboratory control limit of 5%.

Surrogate Recoveries

USEPA Method 8260C:
The surrogate recovery results for the samples, LCS/LCSDs, MS/MSDs, and the method blanks are within the laboratory surrogate control limits for all of the analyses.

Laboratory Control Samples

USEPA Method 8260C:
LCS/LCSD was analyzed by USEPA Method 8260C method. The LCS/LCSD %Rs and RPDs for the all target compounds are within the laboratory control criteria for soils with the following exception:

- LCSD/LCSD (Batch WG1047838 associated with the Trip Blank) recoveries for spike compound (vinyl acetate) results are above laboratory acceptance criteria and qualified by the laboratory (J4). No action was taken on this basis since these compounds were not detected in the associated sample.

Total Solids by SM 2540 G 2011:
The LCS %Rs for total solids are within the laboratory control criteria for soils.

Matrix Spike/Matrix Spike Duplicates

USEPA Method 8260C:
Matrix spike/matrix spike duplicate (MS/MSD) analyses were performed on client sample B-225-16. The MS/MSD %Rs and RPDs for all target compounds are within the laboratory control criteria for soils with the following exceptions:

- MS/MSD spike compound results for tetrachloroethene are recovered low or not recovered and did not meet laboratory acceptance criteria. The tetrachloroethene result was qualified (V and E) by the laboratory to indicate that the sample concentration was greater than four times the spike amount. No action is taken in this case. Refer to LCS/LCSD results for precision and accuracy results.

Other Quality Control Issues

No laboratory quality control issues were identified in the laboratory report.

Compound Identification and Quantitation Limits

The RDLs used for this sample group are acceptable for the project. Several samples were diluted due to elevated concentrations of various target analytes. ESC notes indicate that for soil samples B-225-16, B-225-21, and B-226-16 the target compounds were too high to run the sample at a lower dilution.

Detections between the MDL and RDL are estimated (J) by the laboratory and qualified (J) by the data validator to re-emphasize that the detection is estimated.

Data Assessment

The laboratory data reported for this project were reviewed based on laboratory control limit acceptance criteria and criteria outlined in:

- USEPA Contract Laboratory Program National Functional Guidelines for Organic Superfund Methods Data Review (USEPA, 2017).

Data qualifiers were assigned and laboratory report pages with qualifiers are attached. All data, including qualified data, are judged to be acceptable for their intended use.

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	92.5		1	12/01/2017 10:34	WG1048263

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.0135 U	J	0.0108	0.0541	1	12/01/2017 02:05	WG1048101
Acrylonitrile	U		0.00194	0.0108	1	12/01/2017 02:05	WG1048101
Benzene	U		0.000292	0.00108	1	12/01/2017 02:05	WG1048101
Bromobenzene	U		0.000307	0.00108	1	12/01/2017 02:05	WG1048101
Bromodichloromethane	U		0.000275	0.00108	1	12/01/2017 02:05	WG1048101
Bromochloromethane	U		0.000422	0.00541	1	12/01/2017 02:05	WG1048101
Bromoform	U		0.000459	0.00108	1	12/01/2017 02:05	WG1048101
Bromomethane	U		0.00145	0.00541	1	12/01/2017 02:05	WG1048101
n-Butylbenzene	U		0.000279	0.00108	1	12/01/2017 02:05	WG1048101
sec-Butylbenzene	U		0.000217	0.00108	1	12/01/2017 02:05	WG1048101
tert-Butylbenzene	U		0.000223	0.00108	1	12/01/2017 02:05	WG1048101
Carbon disulfide	U		0.000239	0.00108	1	12/01/2017 02:05	WG1048101
Carbon tetrachloride	U		0.000355	0.00108	1	12/01/2017 02:05	WG1048101
Chlorobenzene	U		0.000229	0.00108	1	12/01/2017 02:05	WG1048101
Chlorodibromomethane	U		0.000403	0.00108	1	12/01/2017 02:05	WG1048101
Chloroethane	U		0.00102	0.00541	1	12/01/2017 02:05	WG1048101
Chloroform	U		0.000248	0.00541	1	12/01/2017 02:05	WG1048101
Chloromethane	U		0.000406	0.00270	1	12/01/2017 02:05	WG1048101
2-Chlorotoluene	U		0.000326	0.00108	1	12/01/2017 02:05	WG1048101
4-Chlorotoluene	U		0.000260	0.00108	1	12/01/2017 02:05	WG1048101
1,2-Dibromo-3-Chloropropane	U		0.00114	0.00541	1	12/01/2017 02:05	WG1048101
1,2-Dibromoethane	U		0.000371	0.00108	1	12/01/2017 02:05	WG1048101
Dibromomethane	U		0.000413	0.00108	1	12/01/2017 02:05	WG1048101
1,2-Dichlorobenzene	U		0.000330	0.00108	1	12/01/2017 02:05	WG1048101
1,3-Dichlorobenzene	U		0.000258	0.00108	1	12/01/2017 02:05	WG1048101
1,4-Dichlorobenzene	U		0.000244	0.00108	1	12/01/2017 02:05	WG1048101
Dichlorodifluoromethane	U		0.000771	0.00541	1	12/01/2017 02:05	WG1048101
1,1-Dichloroethane	U		0.000215	0.00108	1	12/01/2017 02:05	WG1048101
1,2-Dichloroethane	U		0.000287	0.00108	1	12/01/2017 02:05	WG1048101
1,1-Dichloroethene	U		0.000328	0.00108	1	12/01/2017 02:05	WG1048101
cis-1,2-Dichloroethene	0.000624 J	J	0.000254	0.00108	1	12/01/2017 02:05	WG1048101
trans-1,2-Dichloroethene	U		0.000285	0.00108	1	12/01/2017 02:05	WG1048101
1,2-Dichloropropane	U		0.000387	0.00108	1	12/01/2017 02:05	WG1048101
1,1-Dichloropropene	U		0.000343	0.00108	1	12/01/2017 02:05	WG1048101
1,3-Dichloropropane	U		0.000224	0.00108	1	12/01/2017 02:05	WG1048101
cis-1,3-Dichloropropene	U		0.000283	0.00108	1	12/01/2017 02:05	WG1048101
trans-1,3-Dichloropropene	U		0.000289	0.00108	1	12/01/2017 02:05	WG1048101
trans-1,4-Dichloro-2-butene	U		0.000841	0.00270	1	12/01/2017 02:05	WG1048101
2,2-Dichloropropane	U		0.000302	0.00108	1	12/01/2017 02:05	WG1048101
Di-isopropyl ether	U		0.000268	0.00108	1	12/01/2017 02:05	WG1048101
Ethylbenzene	U		0.000321	0.00108	1	12/01/2017 02:05	WG1048101
Hexachloro-1,3-butadiene	U		0.000370	0.00108	1	12/01/2017 02:05	WG1048101
2-Hexanone	U		0.00148	0.0108	1	12/01/2017 02:05	WG1048101
n-Hexane	0.00142 J	J	0.000314	0.0108	1	12/01/2017 02:05	WG1048101
Iodomethane	U		0.00274	0.0108	1	12/01/2017 02:05	WG1048101
Isopropylbenzene	U		0.000263	0.00108	1	12/01/2017 02:05	WG1048101
p-Isopropyltoluene	U		0.000221	0.00108	1	12/01/2017 02:05	WG1048101
2-Butanone (MEK)	U		0.00506	0.0108	1	12/01/2017 02:05	WG1048101
Methylene Chloride	U		0.00108	0.00541	1	12/01/2017 02:05	WG1048101
4-Methyl-2-pentanone (MIBK)	U		0.00203	0.0108	1	12/01/2017 02:05	WG1048101

JC 12/22/17

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000229	0.00108	1	12/01/2017 02:05	WG1048101
Naphthalene	U		0.00108	0.00541	1	12/01/2017 02:05	WG1048101
n-Propylbenzene	U		0.000223	0.00108	1	12/01/2017 02:05	WG1048101
Styrene	U		0.000253	0.00108	1	12/01/2017 02:05	WG1048101
1,1,1,2-Tetrachloroethane	U		0.000285	0.00108	1	12/01/2017 02:05	WG1048101
1,1,2,2-Tetrachloroethane	U		0.000395	0.00108	1	12/01/2017 02:05	WG1048101
1,1,2-Trichlorotrifluoroethane	U		0.000395	0.00108	1	12/01/2017 02:05	WG1048101
Tetrachloroethene	0.0208		0.000298	0.00108	1	12/01/2017 02:05	WG1048101
Toluene	U		0.000469	0.00541	1	12/01/2017 02:05	WG1048101
1,2,3-Trichlorobenzene	U		0.000331	0.00108	1	12/01/2017 02:05	WG1048101
1,2,4-Trichlorobenzene	U		0.000420	0.00108	1	12/01/2017 02:05	WG1048101
1,1,1-Trichloroethane	U		0.000309	0.00108	1	12/01/2017 02:05	WG1048101
1,1,2-Trichloroethane	U		0.000300	0.00108	1	12/01/2017 02:05	WG1048101
Trichloroethene	0.00205		0.000302	0.00108	1	12/01/2017 02:05	WG1048101
Trichlorofluoromethane	U		0.000413	0.00541	1	12/01/2017 02:05	WG1048101
1,2,3-Trichloropropane	U		0.000801	0.00270	1	12/01/2017 02:05	WG1048101
1,2,4-Trimethylbenzene	U		0.000228	0.00108	1	12/01/2017 02:05	WG1048101
1,2,3-Trimethylbenzene	U		0.000310	0.00108	1	12/01/2017 02:05	WG1048101
1,3,5-Trimethylbenzene	U		0.000288	0.00108	1	12/01/2017 02:05	WG1048101
Vinyl acetate	U UJ	J0	0.00258	0.0108	1	12/01/2017 02:05	WG1048101
Vinyl chloride	U		0.000315	0.00108	1	12/01/2017 02:05	WG1048101
Xylenes, Total	U		0.000755	0.00324	1	12/01/2017 02:05	WG1048101
(S) Toluene-d8	*99.4*			*80.0-120*		*12/01/2017 02:05*	WG1048101
(S) Dibromofluoromethane	*106*			*74.0-131*		*12/01/2017 02:05*	WG1048101
(S) 4-Bromofluorobenzene	*99.1*			*64.0-132*		*12/01/2017 02:05*	WG1048101

JC 12/19/17

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	57.6		1	12/01/2017 10:34	WG1048263

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.0995 U	J	0.0267	0.134	1.54	12/01/2017 02:25	WG1048101
Acrylonitrile	U		0.00479	0.0267	1.54	12/01/2017 02:25	WG1048101
Benzene	U		0.000722	0.00267	1.54	12/01/2017 02:25	WG1048101
Bromobenzene	U		0.000758	0.00267	1.54	12/01/2017 02:25	WG1048101
Bromodichloromethane	U		0.000678	0.00267	1.54	12/01/2017 02:25	WG1048101
Bromochloromethane	U		0.00104	0.0134	1.54	12/01/2017 02:25	WG1048101
Bromoform	U		0.00113	0.00267	1.54	12/01/2017 02:25	WG1048101
Bromomethane	U		0.00357	0.0134	1.54	12/01/2017 02:25	WG1048101
n-Butylbenzene	U		0.000689	0.00267	1.54	12/01/2017 02:25	WG1048101
sec-Butylbenzene	U		0.000538	0.00267	1.54	12/01/2017 02:25	WG1048101
tert-Butylbenzene	U		0.000550	0.00267	1.54	12/01/2017 02:25	WG1048101
Carbon disulfide	0.0240		0.000590	0.00267	1.54	12/01/2017 02:25	WG1048101
Carbon tetrachloride	U		0.000876	0.00267	1.54	12/01/2017 02:25	WG1048101
Chlorobenzene	U		0.000566	0.00267	1.54	12/01/2017 02:25	WG1048101
Chlorodibromomethane	U		0.000996	0.00267	1.54	12/01/2017 02:25	WG1048101
Chloroethane	U		0.00253	0.0134	1.54	12/01/2017 02:25	WG1048101
Chloroform	U		0.000612	0.0134	1.54	12/01/2017 02:25	WG1048101
Chloromethane	U		0.00100	0.00668	1.54	12/01/2017 02:25	WG1048101
2-Chlorotoluene	U		0.000805	0.00267	1.54	12/01/2017 02:25	WG1048101
4-Chlorotoluene	U		0.000642	0.00267	1.54	12/01/2017 02:25	WG1048101
1,2-Dibromo-3-Chloropropane	U		0.00281	0.0134	1.54	12/01/2017 02:25	WG1048101
1,2-Dibromoethane	U		0.000916	0.00267	1.54	12/01/2017 02:25	WG1048101
Dibromomethane	U		0.00102	0.00267	1.54	12/01/2017 02:25	WG1048101
1,2-Dichlorobenzene	U		0.000815	0.00267	1.54	12/01/2017 02:25	WG1048101
1,3-Dichlorobenzene	U		0.000638	0.00267	1.54	12/01/2017 02:25	WG1048101
1,4-Dichlorobenzene	U		0.000604	0.00267	1.54	12/01/2017 02:25	WG1048101
Dichlorodifluoromethane	U		0.00191	0.0134	1.54	12/01/2017 02:25	WG1048101
1,1-Dichloroethane	U		0.000531	0.00267	1.54	12/01/2017 02:25	WG1048101
1,2-Dichloroethane	U		0.000708	0.00267	1.54	12/01/2017 02:25	WG1048101
1,1-Dichloroethene	0.00251 J	J	0.000810	0.00267	1.54	12/01/2017 02:25	WG1048101
cis-1,2-Dichloroethene	0.148		0.000628	0.00267	1.54	12/01/2017 02:25	WG1048101
trans-1,2-Dichloroethene	0.0136		0.000704	0.00267	1.54	12/01/2017 02:25	WG1048101
1,2-Dichloropropane	U		0.000956	0.00267	1.54	12/01/2017 02:25	WG1048101
1,1-Dichloropropene	U		0.000847	0.00267	1.54	12/01/2017 02:25	WG1048101
1,3-Dichloropropane	U		0.000553	0.00267	1.54	12/01/2017 02:25	WG1048101
cis-1,3-Dichloropropene	U		0.000699	0.00267	1.54	12/01/2017 02:25	WG1048101
trans-1,3-Dichloropropene	U		0.000713	0.00267	1.54	12/01/2017 02:25	WG1048101
trans-1,4-Dichloro-2-butene	U		0.00208	0.00668	1.54	12/01/2017 02:25	WG1048101
2,2-Dichloropropane	U		0.000746	0.00267	1.54	12/01/2017 02:25	WG1048101
Di-isopropyl ether	U		0.000663	0.00267	1.54	12/01/2017 02:25	WG1048101
Ethylbenzene	U		0.000793	0.00267	1.54	12/01/2017 02:25	WG1048101
Hexachloro-1,3-butadiene	U		0.000914	0.00267	1.54	12/01/2017 02:25	WG1048101
2-Hexanone	U		0.00366	0.0267	1.54	12/01/2017 02:25	WG1048101
n-Hexane	0.0140 J	J	0.000776	0.0267	1.54	12/01/2017 02:25	WG1048101
Iodomethane	U		0.00677	0.0267	1.54	12/01/2017 02:25	WG1048101
Isopropylbenzene	U		0.000649	0.00267	1.54	12/01/2017 02:25	WG1048101
p-Isopropyltoluene	0.00418		0.000545	0.00267	1.54	12/01/2017 02:25	WG1048101
2-Butanone (MEK)	U		0.0125	0.0267	1.54	12/01/2017 02:25	WG1048101
Methylene Chloride	U		0.00267	0.0134	1.54	12/01/2017 02:25	WG1048101
4-Methyl-2-pentanone (MIBK)	U		0.00503	0.0267	1.54	12/01/2017 02:25	WG1048101

JC 12/19/17

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000566	0.00267	1.54	12/01/2017 02:25	WG1048101
Naphthalene	U		0.00267	0.0134	1.54	12/01/2017 02:25	WG1048101
n-Propylbenzene	U		0.000550	0.00267	1.54	12/01/2017 02:25	WG1048101
Styrene	U		0.000625	0.00267	1.54	12/01/2017 02:25	WG1048101
1,1,1,2-Tetrachloroethane	U		0.000704	0.00267	1.54	12/01/2017 02:25	WG1048101
1,1,2,2-Tetrachloroethane	U		0.000975	0.00267	1.54	12/01/2017 02:25	WG1048101
1,1,2-Trichlorotrifluoroethane	U		0.000975	0.00267	1.54	12/01/2017 02:25	WG1048101
Tetrachloroethene	0.151		0.000737	0.00267	1.54	12/01/2017 02:25	WG1048101
Toluene	0.00174 J	J	0.00116	0.0134	1.54	12/01/2017 02:25	WG1048101
1,2,3-Trichlorobenzene	U		0.000817	0.00267	1.54	12/01/2017 02:25	WG1048101
1,2,4-Trichlorobenzene	U		0.00104	0.00267	1.54	12/01/2017 02:25	WG1048101
1,1,1-Trichloroethane	U		0.000763	0.00267	1.54	12/01/2017 02:25	WG1048101
1,1,2-Trichloroethane	U		0.000739	0.00267	1.54	12/01/2017 02:25	WG1048101
Trichloroethene	0.0404		0.000746	0.00267	1.54	12/01/2017 02:25	WG1048101
Trichlorofluoromethane	U		0.00102	0.0134	1.54	12/01/2017 02:25	WG1048101
1,2,3-Trichloropropane	U		0.00198	0.00668	1.54	12/01/2017 02:25	WG1048101
1,2,4-Trimethylbenzene	U		0.000564	0.00267	1.54	12/01/2017 02:25	WG1048101
1,2,3-Trimethylbenzene	U		0.000767	0.00267	1.54	12/01/2017 02:25	WG1048101
1,3,5-Trimethylbenzene	U		0.000711	0.00267	1.54	12/01/2017 02:25	WG1048101
Vinyl acetate	U UJ	J0	0.00638	0.0267	1.54	12/01/2017 02:25	WG1048101
Vinyl chloride	0.0577		0.000777	0.00267	1.54	12/01/2017 02:25	WG1048101
Xylenes, Total	U		0.00186	0.00802	1.54	12/01/2017 02:25	WG1048101
(S) Toluene-d8	*95.7*			*80.0-120*		*12/01/2017 02:25*	WG1048101
(S) Dibromofluoromethane	*108*			*74.0-131*		*12/01/2017 02:25*	WG1048101
(S) 4-Bromofluorobenzene	*106*			*64.0-132*		*12/01/2017 02:25*	WG1048101

JC 12/19/17

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

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	82.7		1	12/01/2017 10:34	WG1048263

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0121	0.0605	1	12/01/2017 02:44	WG1048101
Acrylonitrile	U		0.00216	0.0121	1	12/01/2017 02:44	WG1048101
Benzene	U		0.000326	0.00121	1	12/01/2017 02:44	WG1048101
Bromobenzene	U		0.000343	0.00121	1	12/01/2017 02:44	WG1048101
Bromodichloromethane	U		0.000307	0.00121	1	12/01/2017 02:44	WG1048101
Bromochloromethane	U		0.000472	0.00605	1	12/01/2017 02:44	WG1048101
Bromoform	U		0.000513	0.00121	1	12/01/2017 02:44	WG1048101
Bromomethane	U		0.00162	0.00605	1	12/01/2017 02:44	WG1048101
n-Butylbenzene	U		0.000312	0.00121	1	12/01/2017 02:44	WG1048101
sec-Butylbenzene	U		0.000243	0.00121	1	12/01/2017 02:44	WG1048101
tert-Butylbenzene	U		0.000249	0.00121	1	12/01/2017 02:44	WG1048101
Carbon disulfide	U		0.000267	0.00121	1	12/01/2017 02:44	WG1048101
Carbon tetrachloride	U		0.000397	0.00121	1	12/01/2017 02:44	WG1048101
Chlorobenzene	U		0.000256	0.00121	1	12/01/2017 02:44	WG1048101
Chlorodibromomethane	U		0.000451	0.00121	1	12/01/2017 02:44	WG1048101
Chloroethane	U		0.00114	0.00605	1	12/01/2017 02:44	WG1048101
Chloroform	U		0.000277	0.00605	1	12/01/2017 02:44	WG1048101
Chloromethane	U		0.000453	0.00302	1	12/01/2017 02:44	WG1048101
2-Chlorotoluene	U		0.000364	0.00121	1	12/01/2017 02:44	WG1048101
4-Chlorotoluene	U		0.000290	0.00121	1	12/01/2017 02:44	WG1048101
1,2-Dibromo-3-Chloropropane	U		0.00127	0.00605	1	12/01/2017 02:44	WG1048101
1,2-Dibromoethane	U		0.000415	0.00121	1	12/01/2017 02:44	WG1048101
Dibromomethane	U		0.000462	0.00121	1	12/01/2017 02:44	WG1048101
1,2-Dichlorobenzene	U		0.000369	0.00121	1	12/01/2017 02:44	WG1048101
1,3-Dichlorobenzene	U		0.000289	0.00121	1	12/01/2017 02:44	WG1048101
1,4-Dichlorobenzene	U		0.000273	0.00121	1	12/01/2017 02:44	WG1048101
Dichlorodifluoromethane	U		0.000862	0.00605	1	12/01/2017 02:44	WG1048101
1,1-Dichloroethane	U		0.000241	0.00121	1	12/01/2017 02:44	WG1048101
1,2-Dichloroethane	U		0.000320	0.00121	1	12/01/2017 02:44	WG1048101
1,1-Dichloroethene	U		0.000366	0.00121	1	12/01/2017 02:44	WG1048101
cis-1,2-Dichloroethene	0.0279		0.000284	0.00121	1	12/01/2017 02:44	WG1048101
trans-1,2-Dichloroethene	0.000403 J	J	0.000319	0.00121	1	12/01/2017 02:44	WG1048101
1,2-Dichloropropane	U		0.000433	0.00121	1	12/01/2017 02:44	WG1048101
1,1-Dichloropropene	U		0.000383	0.00121	1	12/01/2017 02:44	WG1048101
1,3-Dichloropropane	U		0.000250	0.00121	1	12/01/2017 02:44	WG1048101
cis-1,3-Dichloropropene	U		0.000317	0.00121	1	12/01/2017 02:44	WG1048101
trans-1,3-Dichloropropene	U		0.000323	0.00121	1	12/01/2017 02:44	WG1048101
trans-1,4-Dichloro-2-butene	U		0.000941	0.00302	1	12/01/2017 02:44	WG1048101
2,2-Dichloropropane	U		0.000337	0.00121	1	12/01/2017 02:44	WG1048101
Di-isopropyl ether	U		0.000300	0.00121	1	12/01/2017 02:44	WG1048101
Ethylbenzene	U		0.000359	0.00121	1	12/01/2017 02:44	WG1048101
Hexachloro-1,3-butadiene	U		0.000414	0.00121	1	12/01/2017 02:44	WG1048101
2-Hexanone	U		0.00166	0.0121	1	12/01/2017 02:44	WG1048101
n-Hexane	U		0.000351	0.0121	1	12/01/2017 02:44	WG1048101
Iodomethane	U		0.00306	0.0121	1	12/01/2017 02:44	WG1048101
Isopropylbenzene	U		0.000294	0.00121	1	12/01/2017 02:44	WG1048101
p-Isopropyltoluene	U		0.000247	0.00121	1	12/01/2017 02:44	WG1048101
2-Butanone (MEK)	U		0.00566	0.0121	1	12/01/2017 02:44	WG1048101
Methylene Chloride	U		0.00121	0.00605	1	12/01/2017 02:44	WG1048101
4-Methyl-2-pentanone (MIBK)	U		0.00227	0.0121	1	12/01/2017 02:44	WG1048101

JC 12/19/17

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000256	0.00121	1	12/01/2017 02:44	WG1048101
Naphthalene	U		0.00121	0.00605	1	12/01/2017 02:44	WG1048101
n-Propylbenzene	U		0.000249	0.00121	1	12/01/2017 02:44	WG1048101
Styrene	U		0.000283	0.00121	1	12/01/2017 02:44	WG1048101
1,1,1,2-Tetrachloroethane	U		0.000319	0.00121	1	12/01/2017 02:44	WG1048101
1,1,2,2-Tetrachloroethane	U		0.000441	0.00121	1	12/01/2017 02:44	WG1048101
1,1,2-Trichlorotrifluoroethane	U		0.000441	0.00121	1	12/01/2017 02:44	WG1048101
Tetrachloroethene	0.0101		0.000334	0.00121	1	12/01/2017 02:44	WG1048101
Toluene	U		0.000525	0.00605	1	12/01/2017 02:44	WG1048101
1,2,3-Trichlorobenzene	U		0.000370	0.00121	1	12/01/2017 02:44	WG1048101
1,2,4-Trichlorobenzene	U		0.000469	0.00121	1	12/01/2017 02:44	WG1048101
1,1,1-Trichloroethane	U		0.000346	0.00121	1	12/01/2017 02:44	WG1048101
1,1,2-Trichloroethane	U		0.000335	0.00121	1	12/01/2017 02:44	WG1048101
Trichloroethene	0.00374		0.000337	0.00121	1	12/01/2017 02:44	WG1048101
Trichlorofluoromethane	U		0.000462	0.00605	1	12/01/2017 02:44	WG1048101
1,2,3-Trichloropropane	U		0.000896	0.00302	1	12/01/2017 02:44	WG1048101
1,2,4-Trimethylbenzene	U		0.000255	0.00121	1	12/01/2017 02:44	WG1048101
1,2,3-Trimethylbenzene	U		0.000347	0.00121	1	12/01/2017 02:44	WG1048101
1,3,5-Trimethylbenzene	U		0.000322	0.00121	1	12/01/2017 02:44	WG1048101
Vinyl acetate	U UJ	J0	0.00289	0.0121	1	12/01/2017 02:44	WG1048101
Vinyl chloride	0.0195		0.000352	0.00121	1	12/01/2017 02:44	WG1048101
Xylenes, Total	U		0.000844	0.00363	1	12/01/2017 02:44	WG1048101
(S) Toluene-d8	*96.7*			*80.0-120*		*12/01/2017 02:44*	WG1048101
(S) Dibromofluoromethane	*110*			*74.0-131*		*12/01/2017 02:44*	WG1048101
(S) 4-Bromofluorobenzene	*96.4*			*64.0-132*		*12/01/2017 02:44*	WG1048101

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

JC 12/19/17

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

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	86.1		1	12/01/2017 10:34	WG1048263

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0116	0.0581	1	12/01/2017 03:03	WG1048101
Acrylonitrile	U		0.00208	0.0116	1	12/01/2017 03:03	WG1048101
Benzene	U		0.000313	0.00116	1	12/01/2017 03:03	WG1048101
Bromobenzene	U		0.000330	0.00116	1	12/01/2017 03:03	WG1048101
Bromodichloromethane	U		0.000295	0.00116	1	12/01/2017 03:03	WG1048101
Bromochloromethane	U		0.000453	0.00581	1	12/01/2017 03:03	WG1048101
Bromoform	U		0.000492	0.00116	1	12/01/2017 03:03	WG1048101
Bromomethane	U		0.00156	0.00581	1	12/01/2017 03:03	WG1048101
n-Butylbenzene	U		0.000300	0.00116	1	12/01/2017 03:03	WG1048101
sec-Butylbenzene	U		0.000233	0.00116	1	12/01/2017 03:03	WG1048101
tert-Butylbenzene	U		0.000239	0.00116	1	12/01/2017 03:03	WG1048101
Carbon disulfide	U		0.000257	0.00116	1	12/01/2017 03:03	WG1048101
Carbon tetrachloride	U		0.000381	0.00116	1	12/01/2017 03:03	WG1048101
Chlorobenzene	U		0.000246	0.00116	1	12/01/2017 03:03	WG1048101
Chlorodibromomethane	U		0.000433	0.00116	1	12/01/2017 03:03	WG1048101
Chloroethane	U		0.00110	0.00581	1	12/01/2017 03:03	WG1048101
Chloroform	U		0.000266	0.00581	1	12/01/2017 03:03	WG1048101
Chloromethane	U		0.000435	0.00290	1	12/01/2017 03:03	WG1048101
2-Chlorotoluene	U		0.000349	0.00116	1	12/01/2017 03:03	WG1048101
4-Chlorotoluene	U		0.000279	0.00116	1	12/01/2017 03:03	WG1048101
1,2-Dibromo-3-Chloropropane	U		0.00122	0.00581	1	12/01/2017 03:03	WG1048101
1,2-Dibromoethane	U		0.000398	0.00116	1	12/01/2017 03:03	WG1048101
Dibromomethane	U		0.000444	0.00116	1	12/01/2017 03:03	WG1048101
1,2-Dichlorobenzene	U		0.000354	0.00116	1	12/01/2017 03:03	WG1048101
1,3-Dichlorobenzene	U		0.000277	0.00116	1	12/01/2017 03:03	WG1048101
1,4-Dichlorobenzene	U		0.000262	0.00116	1	12/01/2017 03:03	WG1048101
Dichlorodifluoromethane	U		0.000828	0.00581	1	12/01/2017 03:03	WG1048101
1,1-Dichloroethane	U		0.000231	0.00116	1	12/01/2017 03:03	WG1048101
1,2-Dichloroethane	U		0.000308	0.00116	1	12/01/2017 03:03	WG1048101
1,1-Dichloroethene	0.000717 J	J	0.000352	0.00116	1	12/01/2017 03:03	WG1048101
cis-1,2-Dichloroethene	0.117		0.000273	0.00116	1	12/01/2017 03:03	WG1048101
trans-1,2-Dichloroethene	0.00140		0.000307	0.00116	1	12/01/2017 03:03	WG1048101
1,2-Dichloropropane	U		0.000416	0.00116	1	12/01/2017 03:03	WG1048101
1,1-Dichloropropene	U		0.000368	0.00116	1	12/01/2017 03:03	WG1048101
1,3-Dichloropropane	U		0.000240	0.00116	1	12/01/2017 03:03	WG1048101
cis-1,3-Dichloropropene	U		0.000304	0.00116	1	12/01/2017 03:03	WG1048101
trans-1,3-Dichloropropene	U		0.000310	0.00116	1	12/01/2017 03:03	WG1048101
trans-1,4-Dichloro-2-butene	U		0.000903	0.00290	1	12/01/2017 03:03	WG1048101
2,2-Dichloropropane	U		0.000324	0.00116	1	12/01/2017 03:03	WG1048101
Di-isopropyl ether	U		0.000288	0.00116	1	12/01/2017 03:03	WG1048101
Ethylbenzene	U		0.000345	0.00116	1	12/01/2017 03:03	WG1048101
Hexachloro-1,3-butadiene	U		0.000397	0.00116	1	12/01/2017 03:03	WG1048101
2-Hexanone	U		0.00159	0.0116	1	12/01/2017 03:03	WG1048101
n-Hexane	U		0.000337	0.0116	1	12/01/2017 03:03	WG1048101
Iodomethane	U		0.00294	0.0116	1	12/01/2017 03:03	WG1048101
Isopropylbenzene	U		0.000282	0.00116	1	12/01/2017 03:03	WG1048101
p-Isopropyltoluene	U		0.000237	0.00116	1	12/01/2017 03:03	WG1048101
2-Butanone (MEK)	U		0.00543	0.0116	1	12/01/2017 03:03	WG1048101
Methylene Chloride	U		0.00116	0.00581	1	12/01/2017 03:03	WG1048101
4-Methyl-2-pentanone (MIBK)	U		0.00218	0.0116	1	12/01/2017 03:03	WG1048101

JC 12/19/17

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000246	0.00116	1	12/01/2017 03:03	WG1048101
Naphthalene	U		0.00116	0.00581	1	12/01/2017 03:03	WG1048101
n-Propylbenzene	U		0.000239	0.00116	1	12/01/2017 03:03	WG1048101
Styrene	U		0.000272	0.00116	1	12/01/2017 03:03	WG1048101
1,1,1,2-Tetrachloroethane	U		0.000307	0.00116	1	12/01/2017 03:03	WG1048101
1,1,2,2-Tetrachloroethane	U		0.000424	0.00116	1	12/01/2017 03:03	WG1048101
1,1,2-Trichlorotrifluoroethane	U		0.000424	0.00116	1	12/01/2017 03:03	WG1048101
Tetrachloroethene	2.71		0.0160	0.0581	50	12/04/2017 17:39	WG1048101
Toluene	U		0.000504	0.00581	1	12/01/2017 03:03	WG1048101
1,2,3-Trichlorobenzene	U		0.000355	0.00116	1	12/01/2017 03:03	WG1048101
1,2,4-Trichlorobenzene	U		0.000450	0.00116	1	12/01/2017 03:03	WG1048101
1,1,1-Trichloroethane	U		0.000332	0.00116	1	12/01/2017 03:03	WG1048101
1,1,2-Trichloroethane	U		0.000322	0.00116	1	12/01/2017 03:03	WG1048101
Trichloroethene	0.0906		0.000324	0.00116	1	12/01/2017 03:03	WG1048101
Trichlorofluoromethane	U		0.000444	0.00581	1	12/01/2017 03:03	WG1048101
1,2,3-Trichloropropane	U		0.000860	0.00290	1	12/01/2017 03:03	WG1048101
1,2,4-Trimethylbenzene	U		0.000245	0.00116	1	12/01/2017 03:03	WG1048101
1,2,3-Trimethylbenzene	U		0.000333	0.00116	1	12/01/2017 03:03	WG1048101
1,3,5-Trimethylbenzene	U		0.000309	0.00116	1	12/01/2017 03:03	WG1048101
Vinyl acetate	U UJ	J0	0.00277	0.0116	1	12/01/2017 03:03	WG1048101
Vinyl chloride	0.00460		0.000338	0.00116	1	12/01/2017 03:03	WG1048101
Xylenes, Total	U		0.000810	0.00348	1	12/01/2017 03:03	WG1048101
(S) Toluene-d8	*106*			*80.0-120*		*12/04/2017 17:39*	WG1048101
(S) Toluene-d8	*97.9*			*80.0-120*		*12/01/2017 03:03*	WG1048101
(S) Dibromofluoromethane	*103*			*74.0-131*		*12/01/2017 03:03*	WG1048101
(S) Dibromofluoromethane	*104*			*74.0-131*		*12/04/2017 17:39*	WG1048101
(S) 4-Bromofluorobenzene	*98.8*			*64.0-132*		*12/01/2017 03:03*	WG1048101
(S) 4-Bromofluorobenzene	*99.3*			*64.0-132*		*12/04/2017 17:39*	WG1048101

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Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	86.3		1	12/01/2017 10:34	WG1048263

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0132	0.0661	1.14	12/01/2017 04:09	WG1048101
Acrylonitrile	U		0.00236	0.0132	1.14	12/01/2017 04:09	WG1048101
Benzene	U		0.000357	0.00132	1.14	12/01/2017 04:09	WG1048101
Bromobenzene	U		0.000376	0.00132	1.14	12/01/2017 04:09	WG1048101
Bromodichloromethane	U		0.000336	0.00132	1.14	12/01/2017 04:09	WG1048101
Bromochloromethane	U		0.000516	0.00661	1.14	12/01/2017 04:09	WG1048101
Bromoform	U		0.000560	0.00132	1.14	12/01/2017 04:09	WG1048101
Bromomethane	U		0.00177	0.00661	1.14	12/01/2017 04:09	WG1048101
n-Butylbenzene	U		0.000341	0.00132	1.14	12/01/2017 04:09	WG1048101
sec-Butylbenzene	U		0.000265	0.00132	1.14	12/01/2017 04:09	WG1048101
tert-Butylbenzene	U		0.000272	0.00132	1.14	12/01/2017 04:09	WG1048101
Carbon disulfide	U		0.000292	0.00132	1.14	12/01/2017 04:09	WG1048101
Carbon tetrachloride	U		0.000433	0.00132	1.14	12/01/2017 04:09	WG1048101
Chlorobenzene	U		0.000280	0.00132	1.14	12/01/2017 04:09	WG1048101
Chlorodibromomethane	U		0.000493	0.00132	1.14	12/01/2017 04:09	WG1048101
Chloroethane	U		0.00125	0.00661	1.14	12/01/2017 04:09	WG1048101
Chloroform	0.000313 J	J	0.000303	0.00661	1.14	12/01/2017 04:09	WG1048101
Chloromethane	U		0.000496	0.00330	1.14	12/01/2017 04:09	WG1048101
2-Chlorotoluene	U		0.000398	0.00132	1.14	12/01/2017 04:09	WG1048101
4-Chlorotoluene	U		0.000318	0.00132	1.14	12/01/2017 04:09	WG1048101
1,2-Dibromo-3-Chloropropane	U		0.00139	0.00661	1.14	12/01/2017 04:09	WG1048101
1,2-Dibromoethane	U		0.000453	0.00132	1.14	12/01/2017 04:09	WG1048101
Dibromomethane	U		0.000504	0.00132	1.14	12/01/2017 04:09	WG1048101
1,2-Dichlorobenzene	U		0.000403	0.00132	1.14	12/01/2017 04:09	WG1048101
1,3-Dichlorobenzene	U		0.000315	0.00132	1.14	12/01/2017 04:09	WG1048101
1,4-Dichlorobenzene	U		0.000299	0.00132	1.14	12/01/2017 04:09	WG1048101
Dichlorodifluoromethane	U		0.000942	0.00661	1.14	12/01/2017 04:09	WG1048101
1,1-Dichloroethane	U		0.000263	0.00132	1.14	12/01/2017 04:09	WG1048101
1,2-Dichloroethane	U		0.000350	0.00132	1.14	12/01/2017 04:09	WG1048101
1,1-Dichloroethene	0.00185		0.000400	0.00132	1.14	12/01/2017 04:09	WG1048101
cis-1,2-Dichloroethene	0.289		0.0305	0.130	112	12/05/2017 09:59	WG1048101
trans-1,2-Dichloroethene	0.00329		0.000349	0.00132	1.14	12/01/2017 04:09	WG1048101
1,2-Dichloropropane	U		0.000473	0.00132	1.14	12/01/2017 04:09	WG1048101
1,1-Dichloropropene	U		0.000418	0.00132	1.14	12/01/2017 04:09	WG1048101
1,3-Dichloropropane	U		0.000274	0.00132	1.14	12/01/2017 04:09	WG1048101
cis-1,3-Dichloropropene	U		0.000347	0.00132	1.14	12/01/2017 04:09	WG1048101
trans-1,3-Dichloropropene	U		0.000352	0.00132	1.14	12/01/2017 04:09	WG1048101
trans-1,4-Dichloro-2-butene	U		0.00103	0.00330	1.14	12/01/2017 04:09	WG1048101
2,2-Dichloropropane	U		0.000369	0.00132	1.14	12/01/2017 04:09	WG1048101
Di-isopropyl ether	U		0.000328	0.00132	1.14	12/01/2017 04:09	WG1048101
Ethylbenzene	U		0.000392	0.00132	1.14	12/01/2017 04:09	WG1048101
Hexachloro-1,3-butadiene	U		0.000452	0.00132	1.14	12/01/2017 04:09	WG1048101
2-Hexanone	U		0.00181	0.0132	1.14	12/01/2017 04:09	WG1048101
n-Hexane	U		0.000384	0.0132	1.14	12/01/2017 04:09	WG1048101
Iodomethane	U		0.00334	0.0132	1.14	12/01/2017 04:09	WG1048101
Isopropylbenzene	U		0.000321	0.00132	1.14	12/01/2017 04:09	WG1048101
p-Isopropyltoluene	U		0.000269	0.00132	1.14	12/01/2017 04:09	WG1048101
2-Butanone (MEK)	U		0.00619	0.0132	1.14	12/01/2017 04:09	WG1048101
Methylene Chloride	U		0.00132	0.00661	1.14	12/01/2017 04:09	WG1048101
4-Methyl-2-pentanone (MIBK)	U		0.00248	0.0132	1.14	12/01/2017 04:09	WG1048101

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000280	0.00132	1.14	12/01/2017 04:09	WG1048101
Naphthalene	U		0.00132	0.00661	1.14	12/01/2017 04:09	WG1048101
n-Propylbenzene	U		0.000272	0.00132	1.14	12/01/2017 04:09	WG1048101
Styrene	U		0.000309	0.00132	1.14	12/01/2017 04:09	WG1048101
1,1,1,2-Tetrachloroethane	U		0.000349	0.00132	1.14	12/01/2017 04:09	WG1048101
1,1,2,2-Tetrachloroethane	U		0.000482	0.00132	1.14	12/01/2017 04:09	WG1048101
1,1,2-Trichlorotrifluoroethane	U		0.000482	0.00132	1.14	12/01/2017 04:09	WG1048101
Tetrachloroethene	3.07		0.0358	0.130	112	12/05/2017 09:59	WG1048101
Toluene	U		0.000574	0.00661	1.14	12/01/2017 04:09	WG1048101
1,2,3-Trichlorobenzene	U		0.000405	0.00132	1.14	12/01/2017 04:09	WG1048101
1,2,4-Trichlorobenzene	U		0.000512	0.00132	1.14	12/01/2017 04:09	WG1048101
1,1,1-Trichloroethane	U		0.000378	0.00132	1.14	12/01/2017 04:09	WG1048101
1,1,2-Trichloroethane	U		0.000366	0.00132	1.14	12/01/2017 04:09	WG1048101
Trichloroethene	0.234		0.000369	0.00132	1.14	12/01/2017 04:09	WG1048101
Trichlorofluoromethane	U		0.000504	0.00661	1.14	12/01/2017 04:09	WG1048101
1,2,3-Trichloropropane	U		0.000979	0.00330	1.14	12/01/2017 04:09	WG1048101
1,2,4-Trimethylbenzene	U		0.000278	0.00132	1.14	12/01/2017 04:09	WG1048101
1,2,3-Trimethylbenzene	U		0.000379	0.00132	1.14	12/01/2017 04:09	WG1048101
1,3,5-Trimethylbenzene	U		0.000351	0.00132	1.14	12/01/2017 04:09	WG1048101
Vinyl acetate	U UJ	J0	0.00315	0.0132	1.14	12/01/2017 04:09	WG1048101
Vinyl chloride	0.0154		0.000385	0.00132	1.14	12/01/2017 04:09	WG1048101
Xylenes, Total	U		0.000923	0.00396	1.14	12/01/2017 04:09	WG1048101
(S) Toluene-d8	*106*			*80.0-120*		*12/05/2017 09:59*	WG1048101
(S) Toluene-d8	*96.0*			*80.0-120*		*12/01/2017 04:09*	WG1048101
(S) Dibromofluoromethane	*107*			*74.0-131*		*12/01/2017 04:09*	WG1048101
(S) Dibromofluoromethane	*105*			*74.0-131*		*12/05/2017 09:59*	WG1048101
(S) 4-Bromofluorobenzene	*99.3*			*64.0-132*		*12/01/2017 04:09*	WG1048101
(S) 4-Bromofluorobenzene	*101*			*64.0-132*		*12/05/2017 09:59*	WG1048101

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Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	92.4		1	12/01/2017 10:11	WG1048266

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0117	0.0585	1.08	12/01/2017 04:29	WG1048101
Acrylonitrile	U		0.00209	0.0117	1.08	12/01/2017 04:29	WG1048101
Benzene	U		0.000316	0.00117	1.08	12/01/2017 04:29	WG1048101
Bromobenzene	U		0.000332	0.00117	1.08	12/01/2017 04:29	WG1048101
Bromodichloromethane	U		0.000297	0.00117	1.08	12/01/2017 04:29	WG1048101
Bromochloromethane	U		0.000456	0.00585	1.08	12/01/2017 04:29	WG1048101
Bromoform	U		0.000496	0.00117	1.08	12/01/2017 04:29	WG1048101
Bromomethane	U		0.00157	0.00585	1.08	12/01/2017 04:29	WG1048101
n-Butylbenzene	U		0.000302	0.00117	1.08	12/01/2017 04:29	WG1048101
sec-Butylbenzene	U		0.000235	0.00117	1.08	12/01/2017 04:29	WG1048101
tert-Butylbenzene	U		0.000240	0.00117	1.08	12/01/2017 04:29	WG1048101
Carbon disulfide	U		0.000259	0.00117	1.08	12/01/2017 04:29	WG1048101
Carbon tetrachloride	U		0.000383	0.00117	1.08	12/01/2017 04:29	WG1048101
Chlorobenzene	U		0.000248	0.00117	1.08	12/01/2017 04:29	WG1048101
Chlorodibromomethane	U		0.000436	0.00117	1.08	12/01/2017 04:29	WG1048101
Chloroethane	U		0.00110	0.00585	1.08	12/01/2017 04:29	WG1048101
Chloroform	U		0.000267	0.00585	1.08	12/01/2017 04:29	WG1048101
Chloromethane	U		0.000438	0.00292	1.08	12/01/2017 04:29	WG1048101
2-Chlorotoluene	U		0.000352	0.00117	1.08	12/01/2017 04:29	WG1048101
4-Chlorotoluene	U		0.000280	0.00117	1.08	12/01/2017 04:29	WG1048101
1,2-Dibromo-3-Chloropropane	U		0.00122	0.00585	1.08	12/01/2017 04:29	WG1048101
1,2-Dibromoethane	U		0.000401	0.00117	1.08	12/01/2017 04:29	WG1048101
Dibromomethane	U		0.000446	0.00117	1.08	12/01/2017 04:29	WG1048101
1,2-Dichlorobenzene	U		0.000356	0.00117	1.08	12/01/2017 04:29	WG1048101
1,3-Dichlorobenzene	U		0.000279	0.00117	1.08	12/01/2017 04:29	WG1048101
1,4-Dichlorobenzene	U		0.000264	0.00117	1.08	12/01/2017 04:29	WG1048101
Dichlorodifluoromethane	U		0.000834	0.00585	1.08	12/01/2017 04:29	WG1048101
1,1-Dichloroethane	U		0.000233	0.00117	1.08	12/01/2017 04:29	WG1048101
1,2-Dichloroethane	U		0.000310	0.00117	1.08	12/01/2017 04:29	WG1048101
1,1-Dichloroethene	0.000567 J	J	0.000354	0.00117	1.08	12/01/2017 04:29	WG1048101
cis-1,2-Dichloroethene	0.207		0.000275	0.00117	1.08	12/01/2017 04:29	WG1048101
trans-1,2-Dichloroethene	0.00128		0.000309	0.00117	1.08	12/01/2017 04:29	WG1048101
1,2-Dichloropropane	U		0.000419	0.00117	1.08	12/01/2017 04:29	WG1048101
1,1-Dichloropropene	U		0.000370	0.00117	1.08	12/01/2017 04:29	WG1048101
1,3-Dichloropropane	U		0.000242	0.00117	1.08	12/01/2017 04:29	WG1048101
cis-1,3-Dichloropropene	U		0.000306	0.00117	1.08	12/01/2017 04:29	WG1048101
trans-1,3-Dichloropropene	U		0.000312	0.00117	1.08	12/01/2017 04:29	WG1048101
trans-1,4-Dichloro-2-butene	U		0.000909	0.00292	1.08	12/01/2017 04:29	WG1048101
2,2-Dichloropropane	U		0.000326	0.00117	1.08	12/01/2017 04:29	WG1048101
Di-isopropyl ether	U		0.000290	0.00117	1.08	12/01/2017 04:29	WG1048101
Ethylbenzene	U		0.000348	0.00117	1.08	12/01/2017 04:29	WG1048101
Hexachloro-1,3-butadiene	U		0.000399	0.00117	1.08	12/01/2017 04:29	WG1048101
2-Hexanone	U		0.00160	0.0117	1.08	12/01/2017 04:29	WG1048101
n-Hexane	0.000354 J	J	0.000339	0.0117	1.08	12/01/2017 04:29	WG1048101
Iodomethane	U		0.00296	0.0117	1.08	12/01/2017 04:29	WG1048101
Isopropylbenzene	U		0.000284	0.00117	1.08	12/01/2017 04:29	WG1048101
p-Isopropyltoluene	U		0.000238	0.00117	1.08	12/01/2017 04:29	WG1048101
2-Butanone (MEK)	U		0.00547	0.0117	1.08	12/01/2017 04:29	WG1048101
Methylene Chloride	U		0.00117	0.00585	1.08	12/01/2017 04:29	WG1048101
4-Methyl-2-pentanone (MIBK)	U		0.00220	0.0117	1.08	12/01/2017 04:29	WG1048101

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000248	0.00117	1.08	12/01/2017 04:29	WG1048101
Naphthalene	U		0.00117	0.00585	1.08	12/01/2017 04:29	WG1048101
n-Propylbenzene	U		0.000240	0.00117	1.08	12/01/2017 04:29	WG1048101
Styrene	U		0.000274	0.00117	1.08	12/01/2017 04:29	WG1048101
1,1,1,2-Tetrachloroethane	U		0.000309	0.00117	1.08	12/01/2017 04:29	WG1048101
1,1,2,2-Tetrachloroethane	U		0.000427	0.00117	1.08	12/01/2017 04:29	WG1048101
1,1,2-Trichlorotrifluoroethane	U		0.000427	0.00117	1.08	12/01/2017 04:29	WG1048101
Tetrachloroethene	4.71		0.0302	0.109	101	12/04/2017 18:28	WG1048101
Toluene	U		0.000508	0.00585	1.08	12/01/2017 04:29	WG1048101
1,2,3-Trichlorobenzene	U		0.000357	0.00117	1.08	12/01/2017 04:29	WG1048101
1,2,4-Trichlorobenzene	U		0.000454	0.00117	1.08	12/01/2017 04:29	WG1048101
1,1,1-Trichloroethane	U		0.000335	0.00117	1.08	12/01/2017 04:29	WG1048101
1,1,2-Trichloroethane	U		0.000324	0.00117	1.08	12/01/2017 04:29	WG1048101
Trichloroethene	0.137		0.000326	0.00117	1.08	12/01/2017 04:29	WG1048101
Trichlorofluoromethane	U		0.000446	0.00585	1.08	12/01/2017 04:29	WG1048101
1,2,3-Trichloropropane	U		0.000866	0.00292	1.08	12/01/2017 04:29	WG1048101
1,2,4-Trimethylbenzene	U		0.000247	0.00117	1.08	12/01/2017 04:29	WG1048101
1,2,3-Trimethylbenzene	U		0.000336	0.00117	1.08	12/01/2017 04:29	WG1048101
1,3,5-Trimethylbenzene	U		0.000311	0.00117	1.08	12/01/2017 04:29	WG1048101
Vinyl acetate	U UJ	J0	0.00279	0.0117	1.08	12/01/2017 04:29	WG1048101
Vinyl chloride	0.00773		0.000340	0.00117	1.08	12/01/2017 04:29	WG1048101
Xylenes, Total	U		0.000816	0.00351	1.08	12/01/2017 04:29	WG1048101
(S) Toluene-d8	*100*			*80.0-120*		*12/01/2017 04:29*	WG1048101
(S) Toluene-d8	*104*			*80.0-120*		*12/04/2017 18:28*	WG1048101
(S) Dibromofluoromethane	*105*			*74.0-131*		*12/01/2017 04:29*	WG1048101
(S) Dibromofluoromethane	*106*			*74.0-131*		*12/04/2017 18:28*	WG1048101
(S) 4-Bromofluorobenzene	*100*			*64.0-132*		*12/01/2017 04:29*	WG1048101
(S) 4-Bromofluorobenzene	*100*			*64.0-132*		*12/04/2017 18:28*	WG1048101

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Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	90.1		1	12/01/2017 10:11	WG1048266

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0111	0.0555	1	12/01/2017 04:48	WG1048101
Acrylonitrile	U		0.00199	0.0111	1	12/01/2017 04:48	WG1048101
Benzene	U		0.000300	0.00111	1	12/01/2017 04:48	WG1048101
Bromobenzene	U		0.000315	0.00111	1	12/01/2017 04:48	WG1048101
Bromodichloromethane	U		0.000282	0.00111	1	12/01/2017 04:48	WG1048101
Bromochloromethane	U		0.000433	0.00555	1	12/01/2017 04:48	WG1048101
Bromoform	U		0.000471	0.00111	1	12/01/2017 04:48	WG1048101
Bromomethane	U		0.00149	0.00555	1	12/01/2017 04:48	WG1048101
n-Butylbenzene	U		0.000286	0.00111	1	12/01/2017 04:48	WG1048101
sec-Butylbenzene	U		0.000223	0.00111	1	12/01/2017 04:48	WG1048101
tert-Butylbenzene	U		0.000229	0.00111	1	12/01/2017 04:48	WG1048101
Carbon disulfide	U		0.000245	0.00111	1	12/01/2017 04:48	WG1048101
Carbon tetrachloride	U		0.000364	0.00111	1	12/01/2017 04:48	WG1048101
Chlorobenzene	U		0.000235	0.00111	1	12/01/2017 04:48	WG1048101
Chlorodibromomethane	U		0.000414	0.00111	1	12/01/2017 04:48	WG1048101
Chloroethane	0.00108 J	J	0.00105	0.00555	1	12/01/2017 04:48	WG1048101
Chloroform	U		0.000254	0.00555	1	12/01/2017 04:48	WG1048101
Chloromethane	U		0.000416	0.00278	1	12/01/2017 04:48	WG1048101
2-Chlorotoluene	U		0.000334	0.00111	1	12/01/2017 04:48	WG1048101
4-Chlorotoluene	U		0.000267	0.00111	1	12/01/2017 04:48	WG1048101
1,2-Dibromo-3-Chloropropane	U		0.00117	0.00555	1	12/01/2017 04:48	WG1048101
1,2-Dibromoethane	U		0.000381	0.00111	1	12/01/2017 04:48	WG1048101
Dibromomethane	U		0.000424	0.00111	1	12/01/2017 04:48	WG1048101
1,2-Dichlorobenzene	U		0.000339	0.00111	1	12/01/2017 04:48	WG1048101
1,3-Dichlorobenzene	U		0.000265	0.00111	1	12/01/2017 04:48	WG1048101
1,4-Dichlorobenzene	U		0.000251	0.00111	1	12/01/2017 04:48	WG1048101
Dichlorodifluoromethane	U		0.000792	0.00555	1	12/01/2017 04:48	WG1048101
1,1-Dichloroethane	U		0.000221	0.00111	1	12/01/2017 04:48	WG1048101
1,2-Dichloroethane	U		0.000294	0.00111	1	12/01/2017 04:48	WG1048101
1,1-Dichloroethene	0.00141		0.000336	0.00111	1	12/01/2017 04:48	WG1048101
cis-1,2-Dichloroethene	0.326		0.0261	0.111	100	12/04/2017 19:26	WG1048101
trans-1,2-Dichloroethene	0.00289		0.000293	0.00111	1	12/01/2017 04:48	WG1048101
1,2-Dichloropropane	U		0.000398	0.00111	1	12/01/2017 04:48	WG1048101
1,1-Dichloropropene	U		0.000352	0.00111	1	12/01/2017 04:48	WG1048101
1,3-Dichloropropane	U		0.000230	0.00111	1	12/01/2017 04:48	WG1048101
cis-1,3-Dichloropropene	U		0.000291	0.00111	1	12/01/2017 04:48	WG1048101
trans-1,3-Dichloropropene	U		0.000296	0.00111	1	12/01/2017 04:48	WG1048101
trans-1,4-Dichloro-2-butene	U		0.000864	0.00278	1	12/01/2017 04:48	WG1048101
2,2-Dichloropropane	U		0.000310	0.00111	1	12/01/2017 04:48	WG1048101
Di-isopropyl ether	U		0.000275	0.00111	1	12/01/2017 04:48	WG1048101
Ethylbenzene	U		0.000330	0.00111	1	12/01/2017 04:48	WG1048101
Hexachloro-1,3-butadiene	U		0.000380	0.00111	1	12/01/2017 04:48	WG1048101
2-Hexanone	U		0.00152	0.0111	1	12/01/2017 04:48	WG1048101
n-Hexane	0.000529 J	J	0.000322	0.0111	1	12/01/2017 04:48	WG1048101
Iodomethane	U		0.00281	0.0111	1	12/01/2017 04:48	WG1048101
Isopropylbenzene	U		0.000270	0.00111	1	12/01/2017 04:48	WG1048101
p-Isopropyltoluene	U		0.000227	0.00111	1	12/01/2017 04:48	WG1048101
2-Butanone (MEK)	U		0.00520	0.0111	1	12/01/2017 04:48	WG1048101
Methylene Chloride	U		0.00111	0.00555	1	12/01/2017 04:48	WG1048101
4-Methyl-2-pentanone (MIBK)	U		0.00209	0.0111	1	12/01/2017 04:48	WG1048101

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000235	0.00111	1	12/01/2017 04:48	WG1048101
Naphthalene	U		0.00111	0.00555	1	12/01/2017 04:48	WG1048101
n-Propylbenzene	U		0.000229	0.00111	1	12/01/2017 04:48	WG1048101
Styrene	U		0.000260	0.00111	1	12/01/2017 04:48	WG1048101
1,1,1,2-Tetrachloroethane	U		0.000293	0.00111	1	12/01/2017 04:48	WG1048101
1,1,2,2-Tetrachloroethane	U		0.000405	0.00111	1	12/01/2017 04:48	WG1048101
1,1,2-Trichlorotrifluoroethane	U		0.000405	0.00111	1	12/01/2017 04:48	WG1048101
Tetrachloroethene	6.55		0.0306	0.111	100	12/04/2017 19:26	WG1048101
Toluene	U		0.000482	0.00555	1	12/01/2017 04:48	WG1048101
1,2,3-Trichlorobenzene	U		0.000340	0.00111	1	12/01/2017 04:48	WG1048101
1,2,4-Trichlorobenzene	U		0.000431	0.00111	1	12/01/2017 04:48	WG1048101
1,1,1-Trichloroethane	U		0.000318	0.00111	1	12/01/2017 04:48	WG1048101
1,1,2-Trichloroethane	U		0.000308	0.00111	1	12/01/2017 04:48	WG1048101
Trichloroethene	0.269		0.0310	0.111	100	12/04/2017 19:26	WG1048101
Trichlorofluoromethane	U		0.000424	0.00555	1	12/01/2017 04:48	WG1048101
1,2,3-Trichloropropane	U		0.000823	0.00278	1	12/01/2017 04:48	WG1048101
1,2,4-Trimethylbenzene	U		0.000234	0.00111	1	12/01/2017 04:48	WG1048101
1,2,3-Trimethylbenzene	U		0.000319	0.00111	1	12/01/2017 04:48	WG1048101
1,3,5-Trimethylbenzene	U		0.000295	0.00111	1	12/01/2017 04:48	WG1048101
Vinyl acetate	U UJ	J0	0.00265	0.0111	1	12/01/2017 04:48	WG1048101
Vinyl chloride	0.0255		0.000323	0.00111	1	12/01/2017 04:48	WG1048101
Xylenes, Total	U		0.000775	0.00333	1	12/01/2017 04:48	WG1048101
(S) Toluene-d8	*104*			*80.0-120*		*12/04/2017 19:26*	WG1048101
(S) Toluene-d8	*94.2*			*80.0-120*		*12/01/2017 04:48*	WG1048101
(S) Dibromofluoromethane	*106*			*74.0-131*		*12/01/2017 04:48*	WG1048101
(S) Dibromofluoromethane	*107*			*74.0-131*		*12/04/2017 19:26*	WG1048101
(S) 4-Bromofluorobenzene	*101*			*64.0-132*		*12/01/2017 04:48*	WG1048101
(S) 4-Bromofluorobenzene	*100*			*64.0-132*		*12/04/2017 19:26*	WG1048101

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Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	85.9		1	12/01/2017 10:11	WG1048266

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0162	0.0809	1.39	12/01/2017 05:08	WG1048101
Acrylonitrile	U		0.00290	0.0162	1.39	12/01/2017 05:08	WG1048101
Benzene	U		0.000436	0.00162	1.39	12/01/2017 05:08	WG1048101
Bromobenzene	U		0.000460	0.00162	1.39	12/01/2017 05:08	WG1048101
Bromodichloromethane	U		0.000411	0.00162	1.39	12/01/2017 05:08	WG1048101
Bromochloromethane	U		0.000631	0.00809	1.39	12/01/2017 05:08	WG1048101
Bromoform	U		0.000685	0.00162	1.39	12/01/2017 05:08	WG1048101
Bromomethane	U		0.00216	0.00809	1.39	12/01/2017 05:08	WG1048101
n-Butylbenzene	U		0.000418	0.00162	1.39	12/01/2017 05:08	WG1048101
sec-Butylbenzene	U		0.000325	0.00162	1.39	12/01/2017 05:08	WG1048101
tert-Butylbenzene	U		0.000333	0.00162	1.39	12/01/2017 05:08	WG1048101
Carbon disulfide	0.000609 J	J	0.000357	0.00162	1.39	12/01/2017 05:08	WG1048101
Carbon tetrachloride	U		0.000531	0.00162	1.39	12/01/2017 05:08	WG1048101
Chlorobenzene	U		0.000343	0.00162	1.39	12/01/2017 05:08	WG1048101
Chlorodibromomethane	U		0.000603	0.00162	1.39	12/01/2017 05:08	WG1048101
Chloroethane	U		0.00152	0.00809	1.39	12/01/2017 05:08	WG1048101
Chloroform	U		0.000370	0.00809	1.39	12/01/2017 05:08	WG1048101
Chloromethane	U		0.000606	0.00404	1.39	12/01/2017 05:08	WG1048101
2-Chlorotoluene	U		0.000486	0.00162	1.39	12/01/2017 05:08	WG1048101
4-Chlorotoluene	U		0.000389	0.00162	1.39	12/01/2017 05:08	WG1048101
1,2-Dibromo-3-Chloropropane	U		0.00170	0.00809	1.39	12/01/2017 05:08	WG1048101
1,2-Dibromoethane	U		0.000555	0.00162	1.39	12/01/2017 05:08	WG1048101
Dibromomethane	U		0.000618	0.00162	1.39	12/01/2017 05:08	WG1048101
1,2-Dichlorobenzene	U		0.000493	0.00162	1.39	12/01/2017 05:08	WG1048101
1,3-Dichlorobenzene	U		0.000386	0.00162	1.39	12/01/2017 05:08	WG1048101
1,4-Dichlorobenzene	U		0.000365	0.00162	1.39	12/01/2017 05:08	WG1048101
Dichlorodifluoromethane	U		0.00115	0.00809	1.39	12/01/2017 05:08	WG1048101
1,1-Dichloroethane	U		0.000322	0.00162	1.39	12/01/2017 05:08	WG1048101
1,2-Dichloroethane	U		0.000428	0.00162	1.39	12/01/2017 05:08	WG1048101
1,1-Dichloroethene	U		0.000490	0.00162	1.39	12/01/2017 05:08	WG1048101
cis-1,2-Dichloroethene	0.0323		0.000381	0.00162	1.39	12/01/2017 05:08	WG1048101
trans-1,2-Dichloroethene	U		0.000427	0.00162	1.39	12/01/2017 05:08	WG1048101
1,2-Dichloropropane	U		0.000579	0.00162	1.39	12/01/2017 05:08	WG1048101
1,1-Dichloropropene	U		0.000513	0.00162	1.39	12/01/2017 05:08	WG1048101
1,3-Dichloropropane	U		0.000335	0.00162	1.39	12/01/2017 05:08	WG1048101
cis-1,3-Dichloropropene	U		0.000424	0.00162	1.39	12/01/2017 05:08	WG1048101
trans-1,3-Dichloropropene	U		0.000432	0.00162	1.39	12/01/2017 05:08	WG1048101
trans-1,4-Dichloro-2-butene	U		0.00126	0.00404	1.39	12/01/2017 05:08	WG1048101
2,2-Dichloropropane	U		0.000451	0.00162	1.39	12/01/2017 05:08	WG1048101
Di-isopropyl ether	U		0.000401	0.00162	1.39	12/01/2017 05:08	WG1048101
Ethylbenzene	U		0.000481	0.00162	1.39	12/01/2017 05:08	WG1048101
Hexachloro-1,3-butadiene	U		0.000553	0.00162	1.39	12/01/2017 05:08	WG1048101
2-Hexanone	U		0.00221	0.0162	1.39	12/01/2017 05:08	WG1048101
n-Hexane	U		0.000469	0.0162	1.39	12/01/2017 05:08	WG1048101
Iodomethane	U		0.00410	0.0162	1.39	12/01/2017 05:08	WG1048101
Isopropylbenzene	U		0.000393	0.00162	1.39	12/01/2017 05:08	WG1048101
p-Isopropyltoluene	U		0.000330	0.00162	1.39	12/01/2017 05:08	WG1048101
2-Butanone (MEK)	U		0.00756	0.0162	1.39	12/01/2017 05:08	WG1048101
Methylene Chloride	U		0.00162	0.00809	1.39	12/01/2017 05:08	WG1048101
4-Methyl-2-pentanone (MIBK)	U		0.00304	0.0162	1.39	12/01/2017 05:08	WG1048101

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000343	0.00162	1.39	12/01/2017 05:08	WG1048101
Naphthalene	U		0.00162	0.00809	1.39	12/01/2017 05:08	WG1048101
n-Propylbenzene	U		0.000333	0.00162	1.39	12/01/2017 05:08	WG1048101
Styrene	U		0.000378	0.00162	1.39	12/01/2017 05:08	WG1048101
1,1,1,2-Tetrachloroethane	U		0.000427	0.00162	1.39	12/01/2017 05:08	WG1048101
1,1,2,2-Tetrachloroethane	U		0.000590	0.00162	1.39	12/01/2017 05:08	WG1048101
1,1,2-Trichlorotrifluoroethane	U		0.000590	0.00162	1.39	12/01/2017 05:08	WG1048101
Tetrachloroethene	0.151		0.000447	0.00162	1.39	12/01/2017 05:08	WG1048101
Toluene	U		0.000702	0.00809	1.39	12/01/2017 05:08	WG1048101
1,2,3-Trichlorobenzene	U		0.000495	0.00162	1.39	12/01/2017 05:08	WG1048101
1,2,4-Trichlorobenzene	U		0.000627	0.00162	1.39	12/01/2017 05:08	WG1048101
1,1,1-Trichloroethane	U		0.000463	0.00162	1.39	12/01/2017 05:08	WG1048101
1,1,2-Trichloroethane	U		0.000448	0.00162	1.39	12/01/2017 05:08	WG1048101
Trichloroethene	0.00944		0.000451	0.00162	1.39	12/01/2017 05:08	WG1048101
Trichlorofluoromethane	U		0.000618	0.00809	1.39	12/01/2017 05:08	WG1048101
1,2,3-Trichloropropane	U		0.00120	0.00404	1.39	12/01/2017 05:08	WG1048101
1,2,4-Trimethylbenzene	U		0.000341	0.00162	1.39	12/01/2017 05:08	WG1048101
1,2,3-Trimethylbenzene	U		0.000464	0.00162	1.39	12/01/2017 05:08	WG1048101
1,3,5-Trimethylbenzene	U		0.000431	0.00162	1.39	12/01/2017 05:08	WG1048101
Vinyl acetate	U UJ	J0	0.00386	0.0162	1.39	12/01/2017 05:08	WG1048101
Vinyl chloride	0.0103		0.000470	0.00162	1.39	12/01/2017 05:08	WG1048101
Xylenes, Total	U		0.00113	0.00485	1.39	12/01/2017 05:08	WG1048101
(S) Toluene-d8	*97.4*			*80.0-120*		*12/01/2017 05:08*	WG1048101
(S) Dibromofluoromethane	*110*			*74.0-131*		*12/01/2017 05:08*	WG1048101
(S) 4-Bromofluorobenzene	*98.0*			*64.0-132*		*12/01/2017 05:08*	WG1048101

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

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	92.2		1	12/01/2017 10:11	WG1048266

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0108	0.0542	1	12/01/2017 05:27	WG1048101
Acrylonitrile	U		0.00194	0.0108	1	12/01/2017 05:27	WG1048101
Benzene	U		0.000293	0.00108	1	12/01/2017 05:27	WG1048101
Bromobenzene	U		0.000308	0.00108	1	12/01/2017 05:27	WG1048101
Bromodichloromethane	U		0.000276	0.00108	1	12/01/2017 05:27	WG1048101
Bromochloromethane	U		0.000423	0.00542	1	12/01/2017 05:27	WG1048101
Bromoform	U		0.000460	0.00108	1	12/01/2017 05:27	WG1048101
Bromomethane	U		0.00145	0.00542	1	12/01/2017 05:27	WG1048101
n-Butylbenzene	U		0.000280	0.00108	1	12/01/2017 05:27	WG1048101
sec-Butylbenzene	U		0.000218	0.00108	1	12/01/2017 05:27	WG1048101
tert-Butylbenzene	U		0.000223	0.00108	1	12/01/2017 05:27	WG1048101
Carbon disulfide	U		0.000240	0.00108	1	12/01/2017 05:27	WG1048101
Carbon tetrachloride	U		0.000356	0.00108	1	12/01/2017 05:27	WG1048101
Chlorobenzene	U		0.000230	0.00108	1	12/01/2017 05:27	WG1048101
Chlorodibromomethane	U		0.000405	0.00108	1	12/01/2017 05:27	WG1048101
Chloroethane	U		0.00103	0.00542	1	12/01/2017 05:27	WG1048101
Chloroform	U		0.000248	0.00542	1	12/01/2017 05:27	WG1048101
Chloromethane	U		0.000407	0.00271	1	12/01/2017 05:27	WG1048101
2-Chlorotoluene	U		0.000326	0.00108	1	12/01/2017 05:27	WG1048101
4-Chlorotoluene	U		0.000260	0.00108	1	12/01/2017 05:27	WG1048101
1,2-Dibromo-3-Chloropropane	U		0.00114	0.00542	1	12/01/2017 05:27	WG1048101
1,2-Dibromoethane	U		0.000372	0.00108	1	12/01/2017 05:27	WG1048101
Dibromomethane	U		0.000414	0.00108	1	12/01/2017 05:27	WG1048101
1,2-Dichlorobenzene	U		0.000331	0.00108	1	12/01/2017 05:27	WG1048101
1,3-Dichlorobenzene	U		0.000259	0.00108	1	12/01/2017 05:27	WG1048101
1,4-Dichlorobenzene	U		0.000245	0.00108	1	12/01/2017 05:27	WG1048101
Dichlorodifluoromethane	U		0.000773	0.00542	1	12/01/2017 05:27	WG1048101
1,1-Dichloroethane	U		0.000216	0.00108	1	12/01/2017 05:27	WG1048101
1,2-Dichloroethane	U		0.000287	0.00108	1	12/01/2017 05:27	WG1048101
1,1-Dichloroethene	U		0.000329	0.00108	1	12/01/2017 05:27	WG1048101
cis-1,2-Dichloroethene	0.00217		0.000255	0.00108	1	12/01/2017 05:27	WG1048101
trans-1,2-Dichloroethene	U		0.000286	0.00108	1	12/01/2017 05:27	WG1048101
1,2-Dichloropropane	U		0.000388	0.00108	1	12/01/2017 05:27	WG1048101
1,1-Dichloropropene	U		0.000344	0.00108	1	12/01/2017 05:27	WG1048101
1,3-Dichloropropane	U		0.000225	0.00108	1	12/01/2017 05:27	WG1048101
cis-1,3-Dichloropropene	U		0.000284	0.00108	1	12/01/2017 05:27	WG1048101
trans-1,3-Dichloropropene	U		0.000290	0.00108	1	12/01/2017 05:27	WG1048101
trans-1,4-Dichloro-2-butene	U		0.000844	0.00271	1	12/01/2017 05:27	WG1048101
2,2-Dichloropropane	U		0.000303	0.00108	1	12/01/2017 05:27	WG1048101
Di-isopropyl ether	U		0.000269	0.00108	1	12/01/2017 05:27	WG1048101
Ethylbenzene	U		0.000322	0.00108	1	12/01/2017 05:27	WG1048101
Hexachloro-1,3-butadiene	U		0.000371	0.00108	1	12/01/2017 05:27	WG1048101
2-Hexanone	U		0.00149	0.0108	1	12/01/2017 05:27	WG1048101
n-Hexane	U		0.000315	0.0108	1	12/01/2017 05:27	WG1048101
Iodomethane	U		0.00274	0.0108	1	12/01/2017 05:27	WG1048101
Isopropylbenzene	U		0.000264	0.00108	1	12/01/2017 05:27	WG1048101
p-Isopropyltoluene	U		0.000221	0.00108	1	12/01/2017 05:27	WG1048101
2-Butanone (MEK)	U		0.00508	0.0108	1	12/01/2017 05:27	WG1048101
Methylene Chloride	U		0.00108	0.00542	1	12/01/2017 05:27	WG1048101
4-Methyl-2-pentanone (MIBK)	U		0.00204	0.0108	1	12/01/2017 05:27	WG1048101

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000230	0.00108	1	12/01/2017 05:27	WG1048101
Naphthalene	U		0.00108	0.00542	1	12/01/2017 05:27	WG1048101
n-Propylbenzene	U		0.000223	0.00108	1	12/01/2017 05:27	WG1048101
Styrene	U		0.000254	0.00108	1	12/01/2017 05:27	WG1048101
1,1,1,2-Tetrachloroethane	U		0.000286	0.00108	1	12/01/2017 05:27	WG1048101
1,1,2,2-Tetrachloroethane	U		0.000396	0.00108	1	12/01/2017 05:27	WG1048101
1,1,2-Trichlorotrifluoroethane	U		0.000396	0.00108	1	12/01/2017 05:27	WG1048101
Tetrachloroethene	0.0223		0.000299	0.00108	1	12/01/2017 05:27	WG1048101
Toluene	U		0.000471	0.00542	1	12/01/2017 05:27	WG1048101
1,2,3-Trichlorobenzene	U		0.000332	0.00108	1	12/01/2017 05:27	WG1048101
1,2,4-Trichlorobenzene	U		0.000421	0.00108	1	12/01/2017 05:27	WG1048101
1,1,1-Trichloroethane	U		0.000310	0.00108	1	12/01/2017 05:27	WG1048101
1,1,2-Trichloroethane	U		0.000300	0.00108	1	12/01/2017 05:27	WG1048101
Trichloroethene	0.00239		0.000303	0.00108	1	12/01/2017 05:27	WG1048101
Trichlorofluoromethane	U		0.000414	0.00542	1	12/01/2017 05:27	WG1048101
1,2,3-Trichloropropane	U		0.000804	0.00271	1	12/01/2017 05:27	WG1048101
1,2,4-Trimethylbenzene	U		0.000229	0.00108	1	12/01/2017 05:27	WG1048101
1,2,3-Trimethylbenzene	U		0.000311	0.00108	1	12/01/2017 05:27	WG1048101
1,3,5-Trimethylbenzene	U		0.000289	0.00108	1	12/01/2017 05:27	WG1048101
Vinyl acetate	U UJ	J0	0.00259	0.0108	1	12/01/2017 05:27	WG1048101
Vinyl chloride	U		0.000316	0.00108	1	12/01/2017 05:27	WG1048101
Xylenes, Total	U		0.000757	0.00325	1	12/01/2017 05:27	WG1048101
(S) Toluene-d8	*96.3*			*80.0-120*		*12/01/2017 05:27*	WG1048101
(S) Dibromofluoromethane	*113*			*74.0-131*		*12/01/2017 05:27*	WG1048101
(S) 4-Bromofluorobenzene	*93.6*			*64.0-132*		*12/01/2017 05:27*	WG1048101

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Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	85.5		1	12/01/2017 10:11	WG1048266

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0117	0.0585	1	12/01/2017 05:47	WG1048101
Acrylonitrile	U		0.00209	0.0117	1	12/01/2017 05:47	WG1048101
Benzene	U		0.000316	0.00117	1	12/01/2017 05:47	WG1048101
Bromobenzene	U		0.000332	0.00117	1	12/01/2017 05:47	WG1048101
Bromodichloromethane	U		0.000297	0.00117	1	12/01/2017 05:47	WG1048101
Bromochloromethane	U		0.000456	0.00585	1	12/01/2017 05:47	WG1048101
Bromoform	U		0.000496	0.00117	1	12/01/2017 05:47	WG1048101
Bromomethane	U		0.00157	0.00585	1	12/01/2017 05:47	WG1048101
n-Butylbenzene	U		0.000302	0.00117	1	12/01/2017 05:47	WG1048101
sec-Butylbenzene	U		0.000235	0.00117	1	12/01/2017 05:47	WG1048101
tert-Butylbenzene	U		0.000241	0.00117	1	12/01/2017 05:47	WG1048101
Carbon disulfide	U		0.000259	0.00117	1	12/01/2017 05:47	WG1048101
Carbon tetrachloride	U		0.000384	0.00117	1	12/01/2017 05:47	WG1048101
Chlorobenzene	U		0.000248	0.00117	1	12/01/2017 05:47	WG1048101
Chlorodibromomethane	U		0.000436	0.00117	1	12/01/2017 05:47	WG1048101
Chloroethane	U		0.00111	0.00585	1	12/01/2017 05:47	WG1048101
Chloroform	U		0.000268	0.00585	1	12/01/2017 05:47	WG1048101
Chloromethane	U		0.000439	0.00292	1	12/01/2017 05:47	WG1048101
2-Chlorotoluene	U		0.000352	0.00117	1	12/01/2017 05:47	WG1048101
4-Chlorotoluene	U		0.000281	0.00117	1	12/01/2017 05:47	WG1048101
1,2-Dibromo-3-Chloropropane	U		0.00123	0.00585	1	12/01/2017 05:47	WG1048101
1,2-Dibromoethane	U		0.000401	0.00117	1	12/01/2017 05:47	WG1048101
Dibromomethane	U		0.000447	0.00117	1	12/01/2017 05:47	WG1048101
1,2-Dichlorobenzene	U		0.000357	0.00117	1	12/01/2017 05:47	WG1048101
1,3-Dichlorobenzene	U		0.000280	0.00117	1	12/01/2017 05:47	WG1048101
1,4-Dichlorobenzene	U		0.000264	0.00117	1	12/01/2017 05:47	WG1048101
Dichlorodifluoromethane	U		0.000834	0.00585	1	12/01/2017 05:47	WG1048101
1,1-Dichloroethane	U		0.000233	0.00117	1	12/01/2017 05:47	WG1048101
1,2-Dichloroethane	U		0.000310	0.00117	1	12/01/2017 05:47	WG1048101
1,1-Dichloroethene	U		0.000354	0.00117	1	12/01/2017 05:47	WG1048101
cis-1,2-Dichloroethene	0.0222		0.000275	0.00117	1	12/01/2017 05:47	WG1048101
trans-1,2-Dichloroethene	U		0.000309	0.00117	1	12/01/2017 05:47	WG1048101
1,2-Dichloropropane	U		0.000419	0.00117	1	12/01/2017 05:47	WG1048101
1,1-Dichloropropene	U		0.000371	0.00117	1	12/01/2017 05:47	WG1048101
1,3-Dichloropropane	U		0.000242	0.00117	1	12/01/2017 05:47	WG1048101
cis-1,3-Dichloropropene	U		0.000306	0.00117	1	12/01/2017 05:47	WG1048101
trans-1,3-Dichloropropene	U		0.000312	0.00117	1	12/01/2017 05:47	WG1048101
trans-1,4-Dichloro-2-butene	U		0.000910	0.00292	1	12/01/2017 05:47	WG1048101
2,2-Dichloropropane	U		0.000326	0.00117	1	12/01/2017 05:47	WG1048101
Di-isopropyl ether	U		0.000290	0.00117	1	12/01/2017 05:47	WG1048101
Ethylbenzene	U		0.000347	0.00117	1	12/01/2017 05:47	WG1048101
Hexachloro-1,3-butadiene	U		0.000400	0.00117	1	12/01/2017 05:47	WG1048101
2-Hexanone	U		0.00160	0.0117	1	12/01/2017 05:47	WG1048101
n-Hexane	U		0.000339	0.0117	1	12/01/2017 05:47	WG1048101
Iodomethane	U		0.00296	0.0117	1	12/01/2017 05:47	WG1048101
Isopropylbenzene	U		0.000284	0.00117	1	12/01/2017 05:47	WG1048101
p-Isopropyltoluene	U		0.000239	0.00117	1	12/01/2017 05:47	WG1048101
2-Butanone (MEK)	U		0.00547	0.0117	1	12/01/2017 05:47	WG1048101
Methylene Chloride	U		0.00117	0.00585	1	12/01/2017 05:47	WG1048101
4-Methyl-2-pentanone (MIBK)	U		0.00220	0.0117	1	12/01/2017 05:47	WG1048101

JC 12/19/17

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000248	0.00117	1	12/01/2017 05:47	WG1048101
Naphthalene	U		0.00117	0.00585	1	12/01/2017 05:47	WG1048101
n-Propylbenzene	U		0.000241	0.00117	1	12/01/2017 05:47	WG1048101
Styrene	U		0.000274	0.00117	1	12/01/2017 05:47	WG1048101
1,1,1,2-Tetrachloroethane	U		0.000309	0.00117	1	12/01/2017 05:47	WG1048101
1,1,2,2-Tetrachloroethane	U		0.000427	0.00117	1	12/01/2017 05:47	WG1048101
1,1,2-Trichlorotrifluoroethane	U		0.000427	0.00117	1	12/01/2017 05:47	WG1048101
Tetrachloroethene	0.0124		0.000323	0.00117	1	12/01/2017 05:47	WG1048101
Toluene	U		0.000508	0.00585	1	12/01/2017 05:47	WG1048101
1,2,3-Trichlorobenzene	U		0.000358	0.00117	1	12/01/2017 05:47	WG1048101
1,2,4-Trichlorobenzene	U		0.000454	0.00117	1	12/01/2017 05:47	WG1048101
1,1,1-Trichloroethane	U		0.000335	0.00117	1	12/01/2017 05:47	WG1048101
1,1,2-Trichloroethane	U		0.000324	0.00117	1	12/01/2017 05:47	WG1048101
Trichloroethene	0.00394		0.000326	0.00117	1	12/01/2017 05:47	WG1048101
Trichlorofluoromethane	U		0.000447	0.00585	1	12/01/2017 05:47	WG1048101
1,2,3-Trichloropropane	U		0.000867	0.00292	1	12/01/2017 05:47	WG1048101
1,2,4-Trimethylbenzene	U		0.000247	0.00117	1	12/01/2017 05:47	WG1048101
1,2,3-Trimethylbenzene	U		0.000336	0.00117	1	12/01/2017 05:47	WG1048101
1,3,5-Trimethylbenzene	U		0.000311	0.00117	1	12/01/2017 05:47	WG1048101
Vinyl acetate	U UJ	J0	0.00280	0.0117	1	12/01/2017 05:47	WG1048101
Vinyl chloride	0.000480 J	J	0.000340	0.00117	1	12/01/2017 05:47	WG1048101
Xylenes, Total	U		0.000816	0.00351	1	12/01/2017 05:47	WG1048101
(S) Toluene-d8	*98.7*			*80.0-120*		*12/01/2017 05:47*	WG1048101
(S) Dibromofluoromethane	*104*			*74.0-131*		*12/01/2017 05:47*	WG1048101
(S) 4-Bromofluorobenzene	*99.0*			*64.0-132*		*12/01/2017 05:47*	WG1048101

JC 12/19/17

B-225-16

Collected date/time: 11/27/17 14:50

SAMPLE RESULTS - 11

L953811

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

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	85.0		1	12/01/2017 10:11	WG1048266

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.294	1.47	25	12/01/2017 06:06	WG1048101
Acrylonitrile	U		0.0527	0.294	25	12/01/2017 06:06	WG1048101
Benzene	U		0.00794	0.0294	25	12/01/2017 06:06	WG1048101
Bromobenzene	U		0.00835	0.0294	25	12/01/2017 06:06	WG1048101
Bromodichloromethane	U		0.00747	0.0294	25	12/01/2017 06:06	WG1048101
Bromochloromethane	U		0.0115	0.147	25	12/01/2017 06:06	WG1048101
Bromoform	U		0.0125	0.0294	25	12/01/2017 06:06	WG1048101
Bromomethane	U		0.0394	0.147	25	12/01/2017 06:06	WG1048101
n-Butylbenzene	U		0.00759	0.0294	25	12/01/2017 06:06	WG1048101
sec-Butylbenzene	U		0.00591	0.0294	25	12/01/2017 06:06	WG1048101
tert-Butylbenzene	U		0.00606	0.0294	25	12/01/2017 06:06	WG1048101
Carbon disulfide	U		0.00649	0.0294	25	12/01/2017 06:06	WG1048101
Carbon tetrachloride	U		0.00965	0.0294	25	12/01/2017 06:06	WG1048101
Chlorobenzene	U		0.00623	0.0294	25	12/01/2017 06:06	WG1048101
Chlorodibromomethane	U		0.0110	0.0294	25	12/01/2017 06:06	WG1048101
Chloroethane	U		0.0278	0.147	25	12/01/2017 06:06	WG1048101
Chloroform	U		0.00673	0.147	25	12/01/2017 06:06	WG1048101
Chloromethane	U		0.0110	0.0735	25	12/01/2017 06:06	WG1048101
2-Chlorotoluene	U		0.00885	0.0294	25	12/01/2017 06:06	WG1048101
4-Chlorotoluene	U		0.00706	0.0294	25	12/01/2017 06:06	WG1048101
1,2-Dibromo-3-Chloropropane	U		0.0308	0.147	25	12/01/2017 06:06	WG1048101
1,2-Dibromoethane	U		0.0101	0.0294	25	12/01/2017 06:06	WG1048101
Dibromomethane	U		0.0112	0.0294	25	12/01/2017 06:06	WG1048101
1,2-Dichlorobenzene	U		0.00896	0.0294	25	12/01/2017 06:06	WG1048101
1,3-Dichlorobenzene	U		0.00703	0.0294	25	12/01/2017 06:06	WG1048101
1,4-Dichlorobenzene	U		0.00665	0.0294	25	12/01/2017 06:06	WG1048101
Dichlorodifluoromethane	U		0.0209	0.147	25	12/01/2017 06:06	WG1048101
1,1-Dichloroethane	U		0.00586	0.0294	25	12/01/2017 06:06	WG1048101
1,2-Dichloroethane	U		0.00779	0.0294	25	12/01/2017 06:06	WG1048101
1,1-Dichloroethene	U		0.00892	0.0294	25	12/01/2017 06:06	WG1048101
cis-1,2-Dichloroethene	1.62		0.00692	0.0294	25	12/01/2017 06:06	WG1048101
trans-1,2-Dichloroethene	U		0.00776	0.0294	25	12/01/2017 06:06	WG1048101
1,2-Dichloropropane	U		0.0105	0.0294	25	12/01/2017 06:06	WG1048101
1,1-Dichloropropene	U		0.00932	0.0294	25	12/01/2017 06:06	WG1048101
1,3-Dichloropropane	U		0.00609	0.0294	25	12/01/2017 06:06	WG1048101
cis-1,3-Dichloropropene	U		0.00771	0.0294	25	12/01/2017 06:06	WG1048101
trans-1,3-Dichloropropene	U		0.00786	0.0294	25	12/01/2017 06:06	WG1048101
trans-1,4-Dichloro-2-butene	U		0.0228	0.0735	25	12/01/2017 06:06	WG1048101
2,2-Dichloropropane	U		0.00821	0.0294	25	12/01/2017 06:06	WG1048101
Di-isopropyl ether	U		0.00729	0.0294	25	12/01/2017 06:06	WG1048101
Ethylbenzene	U		0.00873	0.0294	25	12/01/2017 06:06	WG1048101
Hexachloro-1,3-butadiene	U		0.0101	0.0294	25	12/01/2017 06:06	WG1048101
2-Hexanone	U		0.0402	0.294	25	12/01/2017 06:06	WG1048101
n-Hexane	U		0.00853	0.294	25	12/01/2017 06:06	WG1048101
Iodomethane	U		0.0743	0.294	25	12/01/2017 06:06	WG1048101
Isopropylbenzene	U		0.00715	0.0294	25	12/01/2017 06:06	WG1048101
p-Isopropyltoluene	U		0.00600	0.0294	25	12/01/2017 06:06	WG1048101
2-Butanone (MEK)	U		0.138	0.294	25	12/01/2017 06:06	WG1048101
Methylene Chloride	U		0.0294	0.147	25	12/01/2017 06:06	WG1048101
4-Methyl-2-pentanone (MIBK)	U		0.0553	0.294	25	12/01/2017 06:06	WG1048101

JC 12/19/17

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.00623	0.0294	25	12/01/2017 06:06	WG1048101
Naphthalene	U		0.0294	0.147	25	12/01/2017 06:06	WG1048101
n-Propylbenzene	U		0.00606	0.0294	25	12/01/2017 06:06	WG1048101
Styrene	U		0.00688	0.0294	25	12/01/2017 06:06	WG1048101
1,1,1,2-Tetrachloroethane	U		0.00776	0.0294	25	12/01/2017 06:06	WG1048101
1,1,2,2-Tetrachloroethane	U		0.0107	0.0294	25	12/01/2017 06:06	WG1048101
1,1,2-Trichlorotrifluoroethane	U		0.0107	0.0294	25	12/01/2017 06:06	WG1048101
Tetrachloroethene	4.26	V	0.00812	0.0294	25	12/01/2017 06:06	WG1048101
Toluene	U		0.0127	0.147	25	12/01/2017 06:06	WG1048101
1,2,3-Trichlorobenzene	U		0.00900	0.0294	25	12/01/2017 06:06	WG1048101
1,2,4-Trichlorobenzene	U		0.0114	0.0294	25	12/01/2017 06:06	WG1048101
1,1,1-Trichloroethane	U		0.00841	0.0294	25	12/01/2017 06:06	WG1048101
1,1,2-Trichloroethane	U		0.00814	0.0294	25	12/01/2017 06:06	WG1048101
Trichloroethene	0.353		0.00821	0.0294	25	12/01/2017 06:06	WG1048101
Trichlorofluoromethane	U		0.0112	0.147	25	12/01/2017 06:06	WG1048101
1,2,3-Trichloropropane	U		0.0218	0.0735	25	12/01/2017 06:06	WG1048101
1,2,4-Trimethylbenzene	U		0.00621	0.0294	25	12/01/2017 06:06	WG1048101
1,2,3-Trimethylbenzene	U		0.00845	0.0294	25	12/01/2017 06:06	WG1048101
1,3,5-Trimethylbenzene	U		0.00782	0.0294	25	12/01/2017 06:06	WG1048101
Vinyl acetate	U UJ	J0	0.0703	0.294	25	12/01/2017 06:06	WG1048101
Vinyl chloride	0.0460		0.00856	0.0294	25	12/01/2017 06:06	WG1048101
Xylenes, Total	U		0.0205	0.0882	25	12/01/2017 06:06	WG1048101
(S) Toluene-d8	*103*			*80.0-120*		*12/01/2017 06:06*	WG1048101
(S) Dibromofluoromethane	*98.3*			*74.0-131*		*12/01/2017 06:06*	WG1048101
(S) 4-Bromofluorobenzene	*100*			*64.0-132*		*12/01/2017 06:06*	WG1048101

Sample Narrative:

L953811-11 WG1048101: Cannot be analyzed at a lower dilution due to high levels of target analytes.

JC 12/19/17

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

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	88.0		1	12/01/2017 10:11	WG1048266

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.284	1.42	25	12/05/2017 13:41	WG1048101
Acrylonitrile	U		0.0509	0.284	25	12/05/2017 13:41	WG1048101
Benzene	U		0.00767	0.0284	25	12/05/2017 13:41	WG1048101
Bromobenzene	U		0.00807	0.0284	25	12/05/2017 13:41	WG1048101
Bromodichloromethane	U		0.00722	0.0284	25	12/05/2017 13:41	WG1048101
Bromochloromethane	U		0.0111	0.142	25	12/05/2017 13:41	WG1048101
Bromoform	U		0.0121	0.0284	25	12/05/2017 13:41	WG1048101
Bromomethane	U		0.0381	0.142	25	12/05/2017 13:41	WG1048101
n-Butylbenzene	U		0.00733	0.0284	25	12/05/2017 13:41	WG1048101
sec-Butylbenzene	U		0.00571	0.0284	25	12/05/2017 13:41	WG1048101
tert-Butylbenzene	U		0.00585	0.0284	25	12/05/2017 13:41	WG1048101
Carbon disulfide	U		0.00628	0.0284	25	12/05/2017 13:41	WG1048101
Carbon tetrachloride	U		0.00932	0.0284	25	12/05/2017 13:41	WG1048101
Chlorobenzene	U		0.00603	0.0284	25	12/05/2017 13:41	WG1048101
Chlorodibromomethane	U		0.0106	0.0284	25	12/05/2017 13:41	WG1048101
Chloroethane	U		0.0268	0.142	25	12/05/2017 13:41	WG1048101
Chloroform	U		0.00650	0.142	25	12/05/2017 13:41	WG1048101
Chloromethane	U		0.0107	0.0711	25	12/05/2017 13:41	WG1048101
2-Chlorotoluene	U		0.00855	0.0284	25	12/05/2017 13:41	WG1048101
4-Chlorotoluene	U		0.00682	0.0284	25	12/05/2017 13:41	WG1048101
1,2-Dibromo-3-Chloropropane	U		0.0298	0.142	25	12/05/2017 13:41	WG1048101
1,2-Dibromoethane	U		0.00975	0.0284	25	12/05/2017 13:41	WG1048101
Dibromomethane	U		0.0109	0.0284	25	12/05/2017 13:41	WG1048101
1,2-Dichlorobenzene	U		0.00866	0.0284	25	12/05/2017 13:41	WG1048101
1,3-Dichlorobenzene	U		0.00680	0.0284	25	12/05/2017 13:41	WG1048101
1,4-Dichlorobenzene	U		0.00642	0.0284	25	12/05/2017 13:41	WG1048101
Dichlorodifluoromethane	U		0.0202	0.142	25	12/05/2017 13:41	WG1048101
1,1-Dichloroethane	U		0.00566	0.0284	25	12/05/2017 13:41	WG1048101
1,2-Dichloroethane	U		0.00753	0.0284	25	12/05/2017 13:41	WG1048101
1,1-Dichloroethene	U		0.00862	0.0284	25	12/05/2017 13:41	WG1048101
cis-1,2-Dichloroethene	0.0455		0.00668	0.0284	25	12/05/2017 13:41	WG1048101
trans-1,2-Dichloroethene	U		0.00750	0.0284	25	12/05/2017 13:41	WG1048101
1,2-Dichloropropane	U		0.0102	0.0284	25	12/05/2017 13:41	WG1048101
1,1-Dichloropropene	U		0.00900	0.0284	25	12/05/2017 13:41	WG1048101
1,3-Dichloropropane	U		0.00589	0.0284	25	12/05/2017 13:41	WG1048101
cis-1,3-Dichloropropene	U		0.00745	0.0284	25	12/05/2017 13:41	WG1048101
trans-1,3-Dichloropropene	U		0.00759	0.0284	25	12/05/2017 13:41	WG1048101
trans-1,4-Dichloro-2-butene	U		0.0221	0.0711	25	12/05/2017 13:41	WG1048101
2,2-Dichloropropane	U		0.00794	0.0284	25	12/05/2017 13:41	WG1048101
Di-isopropyl ether	U		0.00705	0.0284	25	12/05/2017 13:41	WG1048101
Ethylbenzene	U		0.00844	0.0284	25	12/05/2017 13:41	WG1048101
Hexachloro-1,3-butadiene	U		0.00972	0.0284	25	12/05/2017 13:41	WG1048101
2-Hexanone	U		0.0389	0.284	25	12/05/2017 13:41	WG1048101
n-Hexane	U		0.00824	0.284	25	12/05/2017 13:41	WG1048101
Iodomethane	U		0.0718	0.284	25	12/05/2017 13:41	WG1048101
Isopropylbenzene	U		0.00691	0.0284	25	12/05/2017 13:41	WG1048101
p-Isopropyltoluene	U		0.00580	0.0284	25	12/05/2017 13:41	WG1048101
2-Butanone (MEK)	U		0.133	0.284	25	12/05/2017 13:41	WG1048101
Methylene Chloride	U		0.0284	0.142	25	12/05/2017 13:41	WG1048101
4-Methyl-2-pentanone (MIBK)	U		0.0534	0.284	25	12/05/2017 13:41	WG1048101

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.00603	0.0284	25	12/05/2017 13:41	WG1048101
Naphthalene	U		0.0284	0.142	25	12/05/2017 13:41	WG1048101
n-Propylbenzene	U		0.00585	0.0284	25	12/05/2017 13:41	WG1048101
Styrene	U		0.00665	0.0284	25	12/05/2017 13:41	WG1048101
1,1,1,2-Tetrachloroethane	U		0.00750	0.0284	25	12/05/2017 13:41	WG1048101
1,1,2,2-Tetrachloroethane	U		0.0104	0.0284	25	12/05/2017 13:41	WG1048101
1,1,2-Trichlorotrifluoroethane	U		0.0104	0.0284	25	12/05/2017 13:41	WG1048101
Tetrachloroethene	1.11		0.00784	0.0284	25	12/05/2017 13:41	WG1048101
Toluene	U		0.0123	0.142	25	12/05/2017 13:41	WG1048101
1,2,3-Trichlorobenzene	U		0.00870	0.0284	25	12/05/2017 13:41	WG1048101
1,2,4-Trichlorobenzene	U		0.0110	0.0284	25	12/05/2017 13:41	WG1048101
1,1,1-Trichloroethane	U		0.00813	0.0284	25	12/05/2017 13:41	WG1048101
1,1,2-Trichloroethane	U		0.00787	0.0284	25	12/05/2017 13:41	WG1048101
Trichloroethene	0.0428		0.00794	0.0284	25	12/05/2017 13:41	WG1048101
Trichlorofluoromethane	U		0.0109	0.142	25	12/05/2017 13:41	WG1048101
1,2,3-Trichloropropane	U		0.0210	0.0711	25	12/05/2017 13:41	WG1048101
1,2,4-Trimethylbenzene	U		0.00600	0.0284	25	12/05/2017 13:41	WG1048101
1,2,3-Trimethylbenzene	U		0.00816	0.0284	25	12/05/2017 13:41	WG1048101
1,3,5-Trimethylbenzene	U		0.00756	0.0284	25	12/05/2017 13:41	WG1048101
Vinyl acetate	U		0.0680	0.284	25	12/05/2017 13:41	WG1048101
Vinyl chloride	U		0.00828	0.0284	25	12/05/2017 13:41	WG1048101
Xylenes, Total	U		0.0198	0.0853	25	12/05/2017 13:41	WG1048101
(S) Toluene-d8	*102*			*80.0-120*		*12/05/2017 13:41*	WG1048101
(S) Dibromofluoromethane	*98.7*			*74.0-131*		*12/05/2017 13:41*	WG1048101
(S) 4-Bromofluorobenzene	*99.0*			*64.0-132*		*12/05/2017 13:41*	WG1048101

Sample Narrative:

L953811-12 WG1048101: Cannot be analyzed at a lower dilution due to high levels of target analytes.

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

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	85.1		1	12/01/2017 10:11	WG1048266

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0118	0.0588	1	12/01/2017 06:45	WG1048101
Acrylonitrile	U		0.00210	0.0118	1	12/01/2017 06:45	WG1048101
Benzene	U		0.000317	0.00118	1	12/01/2017 06:45	WG1048101
Bromobenzene	U		0.000334	0.00118	1	12/01/2017 06:45	WG1048101
Bromodichloromethane	U		0.000299	0.00118	1	12/01/2017 06:45	WG1048101
Bromochloromethane	U		0.000458	0.00588	1	12/01/2017 06:45	WG1048101
Bromoform	U		0.000498	0.00118	1	12/01/2017 06:45	WG1048101
Bromomethane	U		0.00157	0.00588	1	12/01/2017 06:45	WG1048101
n-Butylbenzene	U		0.000303	0.00118	1	12/01/2017 06:45	WG1048101
sec-Butylbenzene	U		0.000236	0.00118	1	12/01/2017 06:45	WG1048101
tert-Butylbenzene	U		0.000242	0.00118	1	12/01/2017 06:45	WG1048101
Carbon disulfide	U		0.000260	0.00118	1	12/01/2017 06:45	WG1048101
Carbon tetrachloride	U		0.000386	0.00118	1	12/01/2017 06:45	WG1048101
Chlorobenzene	U		0.000249	0.00118	1	12/01/2017 06:45	WG1048101
Chlorodibromomethane	U		0.000438	0.00118	1	12/01/2017 06:45	WG1048101
Chloroethane	U		0.00111	0.00588	1	12/01/2017 06:45	WG1048101
Chloroform	U		0.000269	0.00588	1	12/01/2017 06:45	WG1048101
Chloromethane	U		0.000441	0.00294	1	12/01/2017 06:45	WG1048101
2-Chlorotoluene	U		0.000354	0.00118	1	12/01/2017 06:45	WG1048101
4-Chlorotoluene	U		0.000282	0.00118	1	12/01/2017 06:45	WG1048101
1,2-Dibromo-3-Chloropropane	U		0.00123	0.00588	1	12/01/2017 06:45	WG1048101
1,2-Dibromoethane	U		0.000403	0.00118	1	12/01/2017 06:45	WG1048101
Dibromomethane	U		0.000449	0.00118	1	12/01/2017 06:45	WG1048101
1,2-Dichlorobenzene	U		0.000358	0.00118	1	12/01/2017 06:45	WG1048101
1,3-Dichlorobenzene	U		0.000281	0.00118	1	12/01/2017 06:45	WG1048101
1,4-Dichlorobenzene	U		0.000266	0.00118	1	12/01/2017 06:45	WG1048101
Dichlorodifluoromethane	U		0.000838	0.00588	1	12/01/2017 06:45	WG1048101
1,1-Dichloroethane	U		0.000234	0.00118	1	12/01/2017 06:45	WG1048101
1,2-Dichloroethane	U		0.000311	0.00118	1	12/01/2017 06:45	WG1048101
1,1-Dichloroethene	0.000531	J J	0.000356	0.00118	1	12/01/2017 06:45	WG1048101
cis-1,2-Dichloroethene	0.0710		0.000276	0.00118	1	12/01/2017 06:45	WG1048101
trans-1,2-Dichloroethene	0.000763	J J	0.000310	0.00118	1	12/01/2017 06:45	WG1048101
1,2-Dichloropropane	U		0.000421	0.00118	1	12/01/2017 06:45	WG1048101
1,1-Dichloropropene	U		0.000373	0.00118	1	12/01/2017 06:45	WG1048101
1,3-Dichloropropane	U		0.000243	0.00118	1	12/01/2017 06:45	WG1048101
cis-1,3-Dichloropropene	U		0.000308	0.00118	1	12/01/2017 06:45	WG1048101
trans-1,3-Dichloropropene	U		0.000314	0.00118	1	12/01/2017 06:45	WG1048101
trans-1,4-Dichloro-2-butene	U		0.000914	0.00294	1	12/01/2017 06:45	WG1048101
2,2-Dichloropropane	U		0.000328	0.00118	1	12/01/2017 06:45	WG1048101
Di-isopropyl ether	U		0.000291	0.00118	1	12/01/2017 06:45	WG1048101
Ethylbenzene	U		0.000349	0.00118	1	12/01/2017 06:45	WG1048101
Hexachloro-1,3-butadiene	U		0.000402	0.00118	1	12/01/2017 06:45	WG1048101
2-Hexanone	U		0.00161	0.0118	1	12/01/2017 06:45	WG1048101
n-Hexane	0.000676	J J	0.000341	0.0118	1	12/01/2017 06:45	WG1048101
Iodomethane	U		0.00297	0.0118	1	12/01/2017 06:45	WG1048101
Isopropylbenzene	U		0.000286	0.00118	1	12/01/2017 06:45	WG1048101
p-Isopropyltoluene	U		0.000240	0.00118	1	12/01/2017 06:45	WG1048101
2-Butanone (MEK)	U		0.00550	0.0118	1	12/01/2017 06:45	WG1048101
Methylene Chloride	U		0.00118	0.00588	1	12/01/2017 06:45	WG1048101
4-Methyl-2-pentanone (MIBK)	U		0.00221	0.0118	1	12/01/2017 06:45	WG1048101

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000249	0.00118	1	12/01/2017 06:45	WG1048101
Naphthalene	U		0.00118	0.00588	1	12/01/2017 06:45	WG1048101
n-Propylbenzene	U		0.000242	0.00118	1	12/01/2017 06:45	WG1048101
Styrene	U		0.000275	0.00118	1	12/01/2017 06:45	WG1048101
1,1,1,2-Tetrachloroethane	U		0.000310	0.00118	1	12/01/2017 06:45	WG1048101
1,1,2,2-Tetrachloroethane	U		0.000429	0.00118	1	12/01/2017 06:45	WG1048101
1,1,2-Trichlorotrifluoroethane	U		0.000429	0.00118	1	12/01/2017 06:45	WG1048101
Tetrachloroethene	1.13		0.0180	0.0652	55.5	12/04/2017 20:07	WG1048101
Toluene	U		0.000510	0.00588	1	12/01/2017 06:45	WG1048101
1,2,3-Trichlorobenzene	U		0.000360	0.00118	1	12/01/2017 06:45	WG1048101
1,2,4-Trichlorobenzene	U		0.000456	0.00118	1	12/01/2017 06:45	WG1048101
1,1,1-Trichloroethane	U		0.000336	0.00118	1	12/01/2017 06:45	WG1048101
1,1,2-Trichloroethane	U		0.000326	0.00118	1	12/01/2017 06:45	WG1048101
Trichloroethene	0.0370		0.000328	0.00118	1	12/01/2017 06:45	WG1048101
Trichlorofluoromethane	U		0.000449	0.00588	1	12/01/2017 06:45	WG1048101
1,2,3-Trichloropropane	U		0.000871	0.00294	1	12/01/2017 06:45	WG1048101
1,2,4-Trimethylbenzene	U		0.000248	0.00118	1	12/01/2017 06:45	WG1048101
1,2,3-Trimethylbenzene	U		0.000337	0.00118	1	12/01/2017 06:45	WG1048101
1,3,5-Trimethylbenzene	U		0.000313	0.00118	1	12/01/2017 06:45	WG1048101
Vinyl acetate	U UJ	J0	0.00281	0.0118	1	12/01/2017 06:45	WG1048101
Vinyl chloride	0.00619		0.000342	0.00118	1	12/01/2017 06:45	WG1048101
Xylenes, Total	U		0.000820	0.00353	1	12/01/2017 06:45	WG1048101
(S) Toluene-d8	*107*			*80.0-120*		*12/04/2017 20:07*	WG1048101
(S) Toluene-d8	*96.9*			*80.0-120*		*12/01/2017 06:45*	WG1048101
(S) Dibromofluoromethane	*107*			*74.0-131*		*12/01/2017 06:45*	WG1048101
(S) Dibromofluoromethane	*105*			*74.0-131*		*12/04/2017 20:07*	WG1048101
(S) 4-Bromofluorobenzene	*97.5*			*64.0-132*		*12/01/2017 06:45*	WG1048101
(S) 4-Bromofluorobenzene	*98.8*			*64.0-132*		*12/04/2017 20:07*	WG1048101

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Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	87.5		1	12/01/2017 10:11	WG1048266

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0114	0.0571	1	12/01/2017 07:04	WG1048101
Acrylonitrile	U		0.00205	0.0114	1	12/01/2017 07:04	WG1048101
Benzene	U		0.000309	0.00114	1	12/01/2017 07:04	WG1048101
Bromobenzene	U		0.000325	0.00114	1	12/01/2017 07:04	WG1048101
Bromodichloromethane	U		0.000290	0.00114	1	12/01/2017 07:04	WG1048101
Bromochloromethane	U		0.000446	0.00571	1	12/01/2017 07:04	WG1048101
Bromoform	U		0.000485	0.00114	1	12/01/2017 07:04	WG1048101
Bromomethane	U		0.00153	0.00571	1	12/01/2017 07:04	WG1048101
n-Butylbenzene	U		0.000295	0.00114	1	12/01/2017 07:04	WG1048101
sec-Butylbenzene	U		0.000230	0.00114	1	12/01/2017 07:04	WG1048101
tert-Butylbenzene	U		0.000235	0.00114	1	12/01/2017 07:04	WG1048101
Carbon disulfide	U		0.000253	0.00114	1	12/01/2017 07:04	WG1048101
Carbon tetrachloride	U		0.000375	0.00114	1	12/01/2017 07:04	WG1048101
Chlorobenzene	U		0.000242	0.00114	1	12/01/2017 07:04	WG1048101
Chlorodibromomethane	U		0.000426	0.00114	1	12/01/2017 07:04	WG1048101
Chloroethane	U		0.00108	0.00571	1	12/01/2017 07:04	WG1048101
Chloroform	U		0.000262	0.00571	1	12/01/2017 07:04	WG1048101
Chloromethane	U		0.000429	0.00286	1	12/01/2017 07:04	WG1048101
2-Chlorotoluene	U		0.000344	0.00114	1	12/01/2017 07:04	WG1048101
4-Chlorotoluene	U		0.000274	0.00114	1	12/01/2017 07:04	WG1048101
1,2-Dibromo-3-Chloropropane	U		0.00120	0.00571	1	12/01/2017 07:04	WG1048101
1,2-Dibromoethane	U		0.000392	0.00114	1	12/01/2017 07:04	WG1048101
Dibromomethane	U		0.000437	0.00114	1	12/01/2017 07:04	WG1048101
1,2-Dichlorobenzene	U		0.000349	0.00114	1	12/01/2017 07:04	WG1048101
1,3-Dichlorobenzene	U		0.000273	0.00114	1	12/01/2017 07:04	WG1048101
1,4-Dichlorobenzene	U		0.000258	0.00114	1	12/01/2017 07:04	WG1048101
Dichlorodifluoromethane	U		0.000815	0.00571	1	12/01/2017 07:04	WG1048101
1,1-Dichloroethane	U		0.000227	0.00114	1	12/01/2017 07:04	WG1048101
1,2-Dichloroethane	U		0.000303	0.00114	1	12/01/2017 07:04	WG1048101
1,1-Dichloroethene	0.000466 J	J	0.000346	0.00114	1	12/01/2017 07:04	WG1048101
cis-1,2-Dichloroethene	0.164		0.000269	0.00114	1	12/01/2017 07:04	WG1048101
trans-1,2-Dichloroethene	0.000751 J	J	0.000302	0.00114	1	12/01/2017 07:04	WG1048101
1,2-Dichloropropane	U		0.000409	0.00114	1	12/01/2017 07:04	WG1048101
1,1-Dichloropropene	U		0.000362	0.00114	1	12/01/2017 07:04	WG1048101
1,3-Dichloropropane	U		0.000237	0.00114	1	12/01/2017 07:04	WG1048101
cis-1,3-Dichloropropene	U		0.000299	0.00114	1	12/01/2017 07:04	WG1048101
trans-1,3-Dichloropropene	U		0.000305	0.00114	1	12/01/2017 07:04	WG1048101
trans-1,4-Dichloro-2-butene	U		0.000889	0.00286	1	12/01/2017 07:04	WG1048101
2,2-Dichloropropane	U		0.000319	0.00114	1	12/01/2017 07:04	WG1048101
Di-isopropyl ether	U		0.000283	0.00114	1	12/01/2017 07:04	WG1048101
Ethylbenzene	U		0.000339	0.00114	1	12/01/2017 07:04	WG1048101
Hexachloro-1,3-butadiene	U		0.000391	0.00114	1	12/01/2017 07:04	WG1048101
2-Hexanone	U		0.00157	0.0114	1	12/01/2017 07:04	WG1048101
n-Hexane	0.000570 J	J	0.000331	0.0114	1	12/01/2017 07:04	WG1048101
Iodomethane	U		0.00289	0.0114	1	12/01/2017 07:04	WG1048101
Isopropylbenzene	U		0.000278	0.00114	1	12/01/2017 07:04	WG1048101
p-Isopropyltoluene	U		0.000233	0.00114	1	12/01/2017 07:04	WG1048101
2-Butanone (MEK)	U		0.00535	0.0114	1	12/01/2017 07:04	WG1048101
Methylene Chloride	U		0.00114	0.00571	1	12/01/2017 07:04	WG1048101
4-Methyl-2-pentanone (MIBK)	U		0.00215	0.0114	1	12/01/2017 07:04	WG1048101

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000242	0.00114	1	12/01/2017 07:04	WG1048101
Naphthalene	U		0.00114	0.00571	1	12/01/2017 07:04	WG1048101
n-Propylbenzene	U		0.000235	0.00114	1	12/01/2017 07:04	WG1048101
Styrene	U		0.000267	0.00114	1	12/01/2017 07:04	WG1048101
1,1,1,2-Tetrachloroethane	U		0.000302	0.00114	1	12/01/2017 07:04	WG1048101
1,1,2,2-Tetrachloroethane	U		0.000417	0.00114	1	12/01/2017 07:04	WG1048101
1,1,2-Trichlorotrifluoroethane	U		0.000417	0.00114	1	12/01/2017 07:04	WG1048101
Tetrachloroethene	1.09		0.00789	0.0286	25	12/04/2017 20:27	WG1048101
Toluene	U		0.000496	0.00571	1	12/01/2017 07:04	WG1048101
1,2,3-Trichlorobenzene	U		0.000350	0.00114	1	12/01/2017 07:04	WG1048101
1,2,4-Trichlorobenzene	U		0.000443	0.00114	1	12/01/2017 07:04	WG1048101
1,1,1-Trichloroethane	U		0.000327	0.00114	1	12/01/2017 07:04	WG1048101
1,1,2-Trichloroethane	U		0.000317	0.00114	1	12/01/2017 07:04	WG1048101
Trichloroethene	0.0372		0.000319	0.00114	1	12/01/2017 07:04	WG1048101
Trichlorofluoromethane	U		0.000437	0.00571	1	12/01/2017 07:04	WG1048101
1,2,3-Trichloropropane	U		0.000847	0.00286	1	12/01/2017 07:04	WG1048101
1,2,4-Trimethylbenzene	U		0.000241	0.00114	1	12/01/2017 07:04	WG1048101
1,2,3-Trimethylbenzene	U		0.000328	0.00114	1	12/01/2017 07:04	WG1048101
1,3,5-Trimethylbenzene	U		0.000304	0.00114	1	12/01/2017 07:04	WG1048101
Vinyl acetate	U UJ	J0	0.00273	0.0114	1	12/01/2017 07:04	WG1048101
Vinyl chloride	0.00550		0.000333	0.00114	1	12/01/2017 07:04	WG1048101
Xylenes, Total	U		0.000798	0.00343	1	12/01/2017 07:04	WG1048101
(S) Toluene-d8	*97.4*			*80.0-120*		*12/01/2017 07:04*	WG1048101
(S) Toluene-d8	*109*			*80.0-120*		*12/04/2017 20:27*	WG1048101
(S) Dibromofluoromethane	*103*			*74.0-131*		*12/04/2017 20:27*	WG1048101
(S) Dibromofluoromethane	*107*			*74.0-131*		*12/01/2017 07:04*	WG1048101
(S) 4-Bromofluorobenzene	*97.4*			*64.0-132*		*12/01/2017 07:04*	WG1048101
(S) 4-Bromofluorobenzene	*99.7*			*64.0-132*		*12/04/2017 20:27*	WG1048101

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Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	81.2		1	12/01/2017 10:11	WG1048266

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0123	0.0616	1	12/04/2017 17:19	WG1048101
Acrylonitrile	U		0.00220	0.0123	1	12/04/2017 17:19	WG1048101
Benzene	U		0.000333	0.00123	1	12/04/2017 17:19	WG1048101
Bromobenzene	U		0.000350	0.00123	1	12/04/2017 17:19	WG1048101
Bromodichloromethane	U		0.000313	0.00123	1	12/04/2017 17:19	WG1048101
Bromochloromethane	U		0.000480	0.00616	1	12/04/2017 17:19	WG1048101
Bromoform	U		0.000522	0.00123	1	12/04/2017 17:19	WG1048101
Bromomethane	U		0.00165	0.00616	1	12/04/2017 17:19	WG1048101
n-Butylbenzene	U		0.000318	0.00123	1	12/04/2017 17:19	WG1048101
sec-Butylbenzene	U		0.000248	0.00123	1	12/04/2017 17:19	WG1048101
tert-Butylbenzene	U		0.000254	0.00123	1	12/04/2017 17:19	WG1048101
Carbon disulfide	U		0.000272	0.00123	1	12/04/2017 17:19	WG1048101
Carbon tetrachloride	U		0.000404	0.00123	1	12/04/2017 17:19	WG1048101
Chlorobenzene	U		0.000261	0.00123	1	12/04/2017 17:19	WG1048101
Chlorodibromomethane	U		0.000459	0.00123	1	12/04/2017 17:19	WG1048101
Chloroethane	U		0.00117	0.00616	1	12/04/2017 17:19	WG1048101
Chloroform	U		0.000282	0.00616	1	12/04/2017 17:19	WG1048101
Chloromethane	U		0.000462	0.00308	1	12/04/2017 17:19	WG1048101
2-Chlorotoluene	U		0.000371	0.00123	1	12/04/2017 17:19	WG1048101
4-Chlorotoluene	U		0.000296	0.00123	1	12/04/2017 17:19	WG1048101
1,2-Dibromo-3-Chloropropane	U		0.00129	0.00616	1	12/04/2017 17:19	WG1048101
1,2-Dibromoethane	U		0.000422	0.00123	1	12/04/2017 17:19	WG1048101
Dibromomethane	U		0.000470	0.00123	1	12/04/2017 17:19	WG1048101
1,2-Dichlorobenzene	U		0.000376	0.00123	1	12/04/2017 17:19	WG1048101
1,3-Dichlorobenzene	U		0.000294	0.00123	1	12/04/2017 17:19	WG1048101
1,4-Dichlorobenzene	U		0.000278	0.00123	1	12/04/2017 17:19	WG1048101
Dichlorodifluoromethane	U		0.000878	0.00616	1	12/04/2017 17:19	WG1048101
1,1-Dichloroethane	U		0.000245	0.00123	1	12/04/2017 17:19	WG1048101
1,2-Dichloroethane	U		0.000326	0.00123	1	12/04/2017 17:19	WG1048101
1,1-Dichloroethene	U		0.000373	0.00123	1	12/04/2017 17:19	WG1048101
cis-1,2-Dichloroethene	0.0115		0.000289	0.00123	1	12/04/2017 17:19	WG1048101
trans-1,2-Dichloroethene	U		0.000325	0.00123	1	12/04/2017 17:19	WG1048101
1,2-Dichloropropane	U		0.000441	0.00123	1	12/04/2017 17:19	WG1048101
1,1-Dichloropropene	U		0.000390	0.00123	1	12/04/2017 17:19	WG1048101
1,3-Dichloropropane	U		0.000255	0.00123	1	12/04/2017 17:19	WG1048101
cis-1,3-Dichloropropene	U		0.000323	0.00123	1	12/04/2017 17:19	WG1048101
trans-1,3-Dichloropropene	U		0.000329	0.00123	1	12/04/2017 17:19	WG1048101
trans-1,4-Dichloro-2-butene	U		0.000958	0.00308	1	12/04/2017 17:19	WG1048101
2,2-Dichloropropane	U		0.000344	0.00123	1	12/04/2017 17:19	WG1048101
Di-isopropyl ether	U		0.000305	0.00123	1	12/04/2017 17:19	WG1048101
Ethylbenzene	U		0.000366	0.00123	1	12/04/2017 17:19	WG1048101
Hexachloro-1,3-butadiene	U		0.000421	0.00123	1	12/04/2017 17:19	WG1048101
2-Hexanone	U		0.00169	0.0123	1	12/04/2017 17:19	WG1048101
n-Hexane	U		0.000357	0.0123	1	12/04/2017 17:19	WG1048101
Iodomethane	U		0.00312	0.0123	1	12/04/2017 17:19	WG1048101
Isopropylbenzene	U		0.000299	0.00123	1	12/04/2017 17:19	WG1048101
p-Isopropyltoluene	U		0.000251	0.00123	1	12/04/2017 17:19	WG1048101
2-Butanone (MEK)	U		0.00576	0.0123	1	12/04/2017 17:19	WG1048101
Methylene Chloride	U		0.00123	0.00616	1	12/04/2017 17:19	WG1048101
4-Methyl-2-pentanone (MIBK)	U		0.00232	0.0123	1	12/04/2017 17:19	WG1048101

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B-225-36
Collected date/time: 11/27/17 15:30

SAMPLE RESULTS - 15

L953811

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000261	0.00123	1	12/04/2017 17:19	WG1048101
Naphthalene	U		0.00123	0.00616	1	12/04/2017 17:19	WG1048101
n-Propylbenzene	U		0.000254	0.00123	1	12/04/2017 17:19	WG1048101
Styrene	U		0.000288	0.00123	1	12/04/2017 17:19	WG1048101
1,1,1,2-Tetrachloroethane	U		0.000325	0.00123	1	12/04/2017 17:19	WG1048101
1,1,2,2-Tetrachloroethane	U		0.000450	0.00123	1	12/04/2017 17:19	WG1048101
1,1,2-Trichlorotrifluoroethane	U		0.000450	0.00123	1	12/04/2017 17:19	WG1048101
Tetrachloroethene	0.158		0.00850	0.0308	25	12/05/2017 14:02	WG1048101
Toluene	U		0.000535	0.00616	1	12/04/2017 17:19	WG1048101
1,2,3-Trichlorobenzene	U		0.000377	0.00123	1	12/04/2017 17:19	WG1048101
1,2,4-Trichlorobenzene	U		0.000478	0.00123	1	12/04/2017 17:19	WG1048101
1,1,1-Trichloroethane	U		0.000352	0.00123	1	12/04/2017 17:19	WG1048101
1,1,2-Trichloroethane	U		0.000341	0.00123	1	12/04/2017 17:19	WG1048101
Trichloroethene	0.00696		0.000344	0.00123	1	12/04/2017 17:19	WG1048101
Trichlorofluoromethane	U		0.000470	0.00616	1	12/04/2017 17:19	WG1048101
1,2,3-Trichloropropane	U		0.000913	0.00308	1	12/04/2017 17:19	WG1048101
1,2,4-Trimethylbenzene	U		0.000260	0.00123	1	12/04/2017 17:19	WG1048101
1,2,3-Trimethylbenzene	U		0.000353	0.00123	1	12/04/2017 17:19	WG1048101
1,3,5-Trimethylbenzene	U		0.000328	0.00123	1	12/04/2017 17:19	WG1048101
Vinyl acetate	U		0.00294	0.0123	1	12/04/2017 17:19	WG1048101
Vinyl chloride	0.000538 J	J	0.000358	0.00123	1	12/04/2017 17:19	WG1048101
Xylenes, Total	U		0.000860	0.00369	1	12/04/2017 17:19	WG1048101
(S) Toluene-d8	*95.7*			*80.0-120*		*12/04/2017 17:19*	WG1048101
(S) Toluene-d8	*103*			*80.0-120*		*12/05/2017 14:02*	WG1048101
(S) Dibromofluoromethane	*115*			*74.0-131*		*12/04/2017 17:19*	WG1048101
(S) Dibromofluoromethane	*97.6*			*74.0-131*		*12/05/2017 14:02*	WG1048101
(S) 4-Bromofluorobenzene	*99.0*			*64.0-132*		*12/05/2017 14:02*	WG1048101
(S) 4-Bromofluorobenzene	*100*			*64.0-132*		*12/04/2017 17:19*	WG1048101

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Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	83.0		1	12/01/2017 11:36	WG1048267

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0120	0.0602	1	12/01/2017 07:43	WG1048101
Acrylonitrile	U		0.00216	0.0120	1	12/01/2017 07:43	WG1048101
Benzene	U		0.000325	0.00120	1	12/01/2017 07:43	WG1048101
Bromobenzene	U		0.000342	0.00120	1	12/01/2017 07:43	WG1048101
Bromodichloromethane	U		0.000306	0.00120	1	12/01/2017 07:43	WG1048101
Bromochloromethane	U		0.000470	0.00602	1	12/01/2017 07:43	WG1048101
Bromoform	U		0.000511	0.00120	1	12/01/2017 07:43	WG1048101
Bromomethane	U		0.00161	0.00602	1	12/01/2017 07:43	WG1048101
n-Butylbenzene	U		0.000311	0.00120	1	12/01/2017 07:43	WG1048101
sec-Butylbenzene	U		0.000242	0.00120	1	12/01/2017 07:43	WG1048101
tert-Butylbenzene	U		0.000248	0.00120	1	12/01/2017 07:43	WG1048101
Carbon disulfide	U		0.000266	0.00120	1	12/01/2017 07:43	WG1048101
Carbon tetrachloride	U		0.000395	0.00120	1	12/01/2017 07:43	WG1048101
Chlorobenzene	U		0.000255	0.00120	1	12/01/2017 07:43	WG1048101
Chlorodibromomethane	U		0.000449	0.00120	1	12/01/2017 07:43	WG1048101
Chloroethane	U		0.00114	0.00602	1	12/01/2017 07:43	WG1048101
Chloroform	U		0.000276	0.00602	1	12/01/2017 07:43	WG1048101
Chloromethane	U		0.000452	0.00301	1	12/01/2017 07:43	WG1048101
2-Chlorotoluene	U		0.000363	0.00120	1	12/01/2017 07:43	WG1048101
4-Chlorotoluene	U		0.000289	0.00120	1	12/01/2017 07:43	WG1048101
1,2-Dibromo-3-Chloropropane	U		0.00126	0.00602	1	12/01/2017 07:43	WG1048101
1,2-Dibromoethane	U		0.000413	0.00120	1	12/01/2017 07:43	WG1048101
Dibromomethane	U		0.000460	0.00120	1	12/01/2017 07:43	WG1048101
1,2-Dichlorobenzene	U		0.000367	0.00120	1	12/01/2017 07:43	WG1048101
1,3-Dichlorobenzene	U		0.000288	0.00120	1	12/01/2017 07:43	WG1048101
1,4-Dichlorobenzene	U		0.000272	0.00120	1	12/01/2017 07:43	WG1048101
Dichlorodifluoromethane	U		0.000859	0.00602	1	12/01/2017 07:43	WG1048101
1,1-Dichloroethane	U		0.000240	0.00120	1	12/01/2017 07:43	WG1048101
1,2-Dichloroethane	U		0.000319	0.00120	1	12/01/2017 07:43	WG1048101
1,1-Dichloroethene	U		0.000365	0.00120	1	12/01/2017 07:43	WG1048101
cis-1,2-Dichloroethene	0.00317		0.000283	0.00120	1	12/01/2017 07:43	WG1048101
trans-1,2-Dichloroethene	U		0.000318	0.00120	1	12/01/2017 07:43	WG1048101
1,2-Dichloropropane	U		0.000431	0.00120	1	12/01/2017 07:43	WG1048101
1,1-Dichloropropene	U		0.000382	0.00120	1	12/01/2017 07:43	WG1048101
1,3-Dichloropropane	U		0.000249	0.00120	1	12/01/2017 07:43	WG1048101
cis-1,3-Dichloropropene	U		0.000316	0.00120	1	12/01/2017 07:43	WG1048101
trans-1,3-Dichloropropene	U		0.000322	0.00120	1	12/01/2017 07:43	WG1048101
trans-1,4-Dichloro-2-butene	U		0.000937	0.00301	1	12/01/2017 07:43	WG1048101
2,2-Dichloropropane	U		0.000336	0.00120	1	12/01/2017 07:43	WG1048101
Di-isopropyl ether	U		0.000299	0.00120	1	12/01/2017 07:43	WG1048101
Ethylbenzene	U		0.000358	0.00120	1	12/01/2017 07:43	WG1048101
Hexachloro-1,3-butadiene	U		0.000412	0.00120	1	12/01/2017 07:43	WG1048101
2-Hexanone	U		0.00165	0.0120	1	12/01/2017 07:43	WG1048101
n-Hexane	U		0.000349	0.0120	1	12/01/2017 07:43	WG1048101
Iodomethane	U		0.00305	0.0120	1	12/01/2017 07:43	WG1048101
Isopropylbenzene	U		0.000293	0.00120	1	12/01/2017 07:43	WG1048101
p-Isopropyltoluene	U		0.000246	0.00120	1	12/01/2017 07:43	WG1048101
2-Butanone (MEK)	U		0.00564	0.0120	1	12/01/2017 07:43	WG1048101
Methylene Chloride	U		0.00120	0.00602	1	12/01/2017 07:43	WG1048101
4-Methyl-2-pentanone (MIBK)	U		0.00226	0.0120	1	12/01/2017 07:43	WG1048101

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000255	0.00120	1	12/01/2017 07:43	WG1048101
Naphthalene	U		0.00120	0.00602	1	12/01/2017 07:43	WG1048101
n-Propylbenzene	U		0.000248	0.00120	1	12/01/2017 07:43	WG1048101
Styrene	U		0.000282	0.00120	1	12/01/2017 07:43	WG1048101
1,1,1,2-Tetrachloroethane	U		0.000318	0.00120	1	12/01/2017 07:43	WG1048101
1,1,2,2-Tetrachloroethane	U		0.000440	0.00120	1	12/01/2017 07:43	WG1048101
1,1,2-Trichlorotrifluoroethane	U		0.000440	0.00120	1	12/01/2017 07:43	WG1048101
Tetrachloroethene	0.0227		0.000332	0.00120	1	12/01/2017 07:43	WG1048101
Toluene	U		0.000523	0.00602	1	12/01/2017 07:43	WG1048101
1,2,3-Trichlorobenzene	U		0.000369	0.00120	1	12/01/2017 07:43	WG1048101
1,2,4-Trichlorobenzene	U		0.000467	0.00120	1	12/01/2017 07:43	WG1048101
1,1,1-Trichloroethane	U		0.000344	0.00120	1	12/01/2017 07:43	WG1048101
1,1,2-Trichloroethane	U		0.000334	0.00120	1	12/01/2017 07:43	WG1048101
Trichloroethene	0.00209		0.000336	0.00120	1	12/01/2017 07:43	WG1048101
Trichlorofluoromethane	U		0.000460	0.00602	1	12/01/2017 07:43	WG1048101
1,2,3-Trichloropropane	U		0.000892	0.00301	1	12/01/2017 07:43	WG1048101
1,2,4-Trimethylbenzene	U		0.000254	0.00120	1	12/01/2017 07:43	WG1048101
1,2,3-Trimethylbenzene	U		0.000346	0.00120	1	12/01/2017 07:43	WG1048101
1,3,5-Trimethylbenzene	U		0.000320	0.00120	1	12/01/2017 07:43	WG1048101
Vinyl acetate	U UJ	J0	0.00288	0.0120	1	12/01/2017 07:43	WG1048101
Vinyl chloride	U		0.000350	0.00120	1	12/01/2017 07:43	WG1048101
Xylenes, Total	U		0.000841	0.00361	1	12/01/2017 07:43	WG1048101
(S) Toluene-d8	*95.6*			*80.0-120*		*12/01/2017 07:43*	WG1048101
(S) Dibromofluoromethane	*114*			*74.0-131*		*12/01/2017 07:43*	WG1048101
(S) 4-Bromofluorobenzene	*94.9*			*64.0-132*		*12/01/2017 07:43*	WG1048101

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Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	88.2		1	12/01/2017 11:36	WG1048267

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.0132 U	J	0.0113	0.0567	1	12/01/2017 08:02	WG1048101
Acrylonitrile	U		0.00203	0.0113	1	12/01/2017 08:02	WG1048101
Benzene	U		0.000306	0.00113	1	12/01/2017 08:02	WG1048101
Bromobenzene	U		0.000322	0.00113	1	12/01/2017 08:02	WG1048101
Bromodichloromethane	U		0.000288	0.00113	1	12/01/2017 08:02	WG1048101
Bromochloromethane	U		0.000442	0.00567	1	12/01/2017 08:02	WG1048101
Bromoform	U		0.000481	0.00113	1	12/01/2017 08:02	WG1048101
Bromomethane	U		0.00152	0.00567	1	12/01/2017 08:02	WG1048101
n-Butylbenzene	U		0.000293	0.00113	1	12/01/2017 08:02	WG1048101
sec-Butylbenzene	U		0.000228	0.00113	1	12/01/2017 08:02	WG1048101
tert-Butylbenzene	U		0.000234	0.00113	1	12/01/2017 08:02	WG1048101
Carbon disulfide	0.00146		0.000251	0.00113	1	12/01/2017 08:02	WG1048101
Carbon tetrachloride	U		0.000372	0.00113	1	12/01/2017 08:02	WG1048101
Chlorobenzene	U		0.000240	0.00113	1	12/01/2017 08:02	WG1048101
Chlorodibromomethane	U		0.000423	0.00113	1	12/01/2017 08:02	WG1048101
Chloroethane	U		0.00107	0.00567	1	12/01/2017 08:02	WG1048101
Chloroform	U		0.000260	0.00567	1	12/01/2017 08:02	WG1048101
Chloromethane	U		0.000425	0.00284	1	12/01/2017 08:02	WG1048101
2-Chlorotoluene	U		0.000341	0.00113	1	12/01/2017 08:02	WG1048101
4-Chlorotoluene	U		0.000272	0.00113	1	12/01/2017 08:02	WG1048101
1,2-Dibromo-3-Chloropropane	U		0.00119	0.00567	1	12/01/2017 08:02	WG1048101
1,2-Dibromoethane	U		0.000389	0.00113	1	12/01/2017 08:02	WG1048101
Dibromomethane	U		0.000433	0.00113	1	12/01/2017 08:02	WG1048101
1,2-Dichlorobenzene	U		0.000346	0.00113	1	12/01/2017 08:02	WG1048101
1,3-Dichlorobenzene	U		0.000271	0.00113	1	12/01/2017 08:02	WG1048101
1,4-Dichlorobenzene	U		0.000256	0.00113	1	12/01/2017 08:02	WG1048101
Dichlorodifluoromethane	U		0.000809	0.00567	1	12/01/2017 08:02	WG1048101
1,1-Dichloroethane	U		0.000226	0.00113	1	12/01/2017 08:02	WG1048101
1,2-Dichloroethane	U		0.000301	0.00113	1	12/01/2017 08:02	WG1048101
1,1-Dichloroethene	U		0.000344	0.00113	1	12/01/2017 08:02	WG1048101
cis-1,2-Dichloroethene	0.00338		0.000267	0.00113	1	12/01/2017 08:02	WG1048101
trans-1,2-Dichloroethene	U		0.000299	0.00113	1	12/01/2017 08:02	WG1048101
1,2-Dichloropropane	U		0.000406	0.00113	1	12/01/2017 08:02	WG1048101
1,1-Dichloropropene	U		0.000360	0.00113	1	12/01/2017 08:02	WG1048101
1,3-Dichloropropane	U		0.000235	0.00113	1	12/01/2017 08:02	WG1048101
cis-1,3-Dichloropropene	U		0.000297	0.00113	1	12/01/2017 08:02	WG1048101
trans-1,3-Dichloropropene	U		0.000303	0.00113	1	12/01/2017 08:02	WG1048101
trans-1,4-Dichloro-2-butene	U		0.000882	0.00284	1	12/01/2017 08:02	WG1048101
2,2-Dichloropropane	U		0.000316	0.00113	1	12/01/2017 08:02	WG1048101
Di-isopropyl ether	U		0.000281	0.00113	1	12/01/2017 08:02	WG1048101
Ethylbenzene	U		0.000337	0.00113	1	12/01/2017 08:02	WG1048101
Hexachloro-1,3-butadiene	U		0.000388	0.00113	1	12/01/2017 08:02	WG1048101
2-Hexanone	U		0.00155	0.0113	1	12/01/2017 08:02	WG1048101
n-Hexane	U		0.000329	0.0113	1	12/01/2017 08:02	WG1048101
Iodomethane	U		0.00287	0.0113	1	12/01/2017 08:02	WG1048101
Isopropylbenzene	U		0.000276	0.00113	1	12/01/2017 08:02	WG1048101
p-Isopropyltoluene	0.00241		0.000231	0.00113	1	12/01/2017 08:02	WG1048101
2-Butanone (MEK)	U		0.00531	0.0113	1	12/01/2017 08:02	WG1048101
Methylene Chloride	U		0.00113	0.00567	1	12/01/2017 08:02	WG1048101
4-Methyl-2-pentanone (MIBK)	U		0.00213	0.0113	1	12/01/2017 08:02	WG1048101

JC 12/19/17

B-226-11

Collected date/time: 11/28/17 09:25

SAMPLE RESULTS - 17

L953811

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000240	0.00113	1	12/01/2017 08:02	WG1048101
Naphthalene	U		0.00113	0.00567	1	12/01/2017 08:02	WG1048101
n-Propylbenzene	U		0.000234	0.00113	1	12/01/2017 08:02	WG1048101
Styrene	U		0.000265	0.00113	1	12/01/2017 08:02	WG1048101
1,1,1,2-Tetrachloroethane	U		0.000299	0.00113	1	12/01/2017 08:02	WG1048101
1,1,2,2-Tetrachloroethane	U		0.000414	0.00113	1	12/01/2017 08:02	WG1048101
1,1,2-Trichlorotrifluoroethane	U		0.000414	0.00113	1	12/01/2017 08:02	WG1048101
Tetrachloroethene	0.00869		0.000313	0.00113	1	12/01/2017 08:02	WG1048101
Toluene	0.000730 J	J	0.000492	0.00567	1	12/01/2017 08:02	WG1048101
1,2,3-Trichlorobenzene	U		0.000347	0.00113	1	12/01/2017 08:02	WG1048101
1,2,4-Trichlorobenzene	U		0.000440	0.00113	1	12/01/2017 08:02	WG1048101
1,1,1-Trichloroethane	U		0.000324	0.00113	1	12/01/2017 08:02	WG1048101
1,1,2-Trichloroethane	U		0.000314	0.00113	1	12/01/2017 08:02	WG1048101
Trichloroethene	0.00190		0.000316	0.00113	1	12/01/2017 08:02	WG1048101
Trichlorofluoromethane	U		0.000433	0.00567	1	12/01/2017 08:02	WG1048101
1,2,3-Trichloropropane	U		0.000840	0.00284	1	12/01/2017 08:02	WG1048101
1,2,4-Trimethylbenzene	0.000268 J	J	0.000239	0.00113	1	12/01/2017 08:02	WG1048101
1,2,3-Trimethylbenzene	U		0.000325	0.00113	1	12/01/2017 08:02	WG1048101
1,3,5-Trimethylbenzene	U		0.000302	0.00113	1	12/01/2017 08:02	WG1048101
Vinyl acetate	U UJ	J0	0.00271	0.0113	1	12/01/2017 08:02	WG1048101
Vinyl chloride	0.000805 J	J	0.000330	0.00113	1	12/01/2017 08:02	WG1048101
Xylenes, Total	U		0.000792	0.00340	1	12/01/2017 08:02	WG1048101
(S) Toluene-d8	*95.4*			*80.0-120*		*12/01/2017 08:02*	WG1048101
(S) Dibromofluoromethane	*116*			*74.0-131*		*12/01/2017 08:02*	WG1048101
(S) 4-Bromofluorobenzene	*97.0*			*64.0-132*		*12/01/2017 08:02*	WG1048101

JC 12/19/17

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	89.1		1	12/01/2017 11:36	WG1048267

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.280	1.40	25	12/01/2017 08:22	WG1048101
Acrylonitrile	U		0.0503	0.280	25	12/01/2017 08:22	WG1048101
Benzene	U		0.00757	0.0280	25	12/01/2017 08:22	WG1048101
Bromobenzene	U		0.00797	0.0280	25	12/01/2017 08:22	WG1048101
Bromodichloromethane	U		0.00712	0.0280	25	12/01/2017 08:22	WG1048101
Bromochloromethane	U		0.0109	0.140	25	12/01/2017 08:22	WG1048101
Bromoform	U		0.0119	0.0280	25	12/01/2017 08:22	WG1048101
Bromomethane	U		0.0376	0.140	25	12/01/2017 08:22	WG1048101
n-Butylbenzene	U		0.00724	0.0280	25	12/01/2017 08:22	WG1048101
sec-Butylbenzene	U		0.00563	0.0280	25	12/01/2017 08:22	WG1048101
tert-Butylbenzene	U		0.00578	0.0280	25	12/01/2017 08:22	WG1048101
Carbon disulfide	U		0.00619	0.0280	25	12/01/2017 08:22	WG1048101
Carbon tetrachloride	U		0.00920	0.0280	25	12/01/2017 08:22	WG1048101
Chlorobenzene	U		0.00595	0.0280	25	12/01/2017 08:22	WG1048101
Chlorodibromomethane	U		0.0105	0.0280	25	12/01/2017 08:22	WG1048101
Chloroethane	U		0.0265	0.140	25	12/01/2017 08:22	WG1048101
Chloroform	U		0.00642	0.140	25	12/01/2017 08:22	WG1048101
Chloromethane	U		0.0105	0.0701	25	12/01/2017 08:22	WG1048101
2-Chlorotoluene	U		0.00844	0.0280	25	12/01/2017 08:22	WG1048101
4-Chlorotoluene	U		0.00673	0.0280	25	12/01/2017 08:22	WG1048101
1,2-Dibromo-3-Chloropropane	U		0.0294	0.140	25	12/01/2017 08:22	WG1048101
1,2-Dibromoethane	U		0.00963	0.0280	25	12/01/2017 08:22	WG1048101
Dibromomethane	U		0.0107	0.0280	25	12/01/2017 08:22	WG1048101
1,2-Dichlorobenzene	U		0.00855	0.0280	25	12/01/2017 08:22	WG1048101
1,3-Dichlorobenzene	U		0.00671	0.0280	25	12/01/2017 08:22	WG1048101
1,4-Dichlorobenzene	U		0.00634	0.0280	25	12/01/2017 08:22	WG1048101
Dichlorodifluoromethane	U		0.0200	0.140	25	12/01/2017 08:22	WG1048101
1,1-Dichloroethane	U		0.00559	0.0280	25	12/01/2017 08:22	WG1048101
1,2-Dichloroethane	U		0.00743	0.0280	25	12/01/2017 08:22	WG1048101
1,1-Dichloroethene	U		0.00850	0.0280	25	12/01/2017 08:22	WG1048101
cis-1,2-Dichloroethene	1.84 J		0.00660	0.0280	25	12/01/2017 08:22	WG1048101
trans-1,2-Dichloroethene	0.0147 J	J	0.00740	0.0280	25	12/01/2017 08:22	WG1048101
1,2-Dichloropropane	U		0.0100	0.0280	25	12/01/2017 08:22	WG1048101
1,1-Dichloropropene	U		0.00889	0.0280	25	12/01/2017 08:22	WG1048101
1,3-Dichloropropane	U		0.00581	0.0280	25	12/01/2017 08:22	WG1048101
cis-1,3-Dichloropropene	U		0.00735	0.0280	25	12/01/2017 08:22	WG1048101
trans-1,3-Dichloropropene	U		0.00749	0.0280	25	12/01/2017 08:22	WG1048101
trans-1,4-Dichloro-2-butene	U		0.0218	0.0701	25	12/01/2017 08:22	WG1048101
2,2-Dichloropropane	U		0.00783	0.0280	25	12/01/2017 08:22	WG1048101
Di-isopropyl ether	U		0.00696	0.0280	25	12/01/2017 08:22	WG1048101
Ethylbenzene	U		0.00832	0.0280	25	12/01/2017 08:22	WG1048101
Hexachloro-1,3-butadiene	U		0.00959	0.0280	25	12/01/2017 08:22	WG1048101
2-Hexanone	U		0.0384	0.280	25	12/01/2017 08:22	WG1048101
n-Hexane	U		0.00813	0.280	25	12/01/2017 08:22	WG1048101
Iodomethane	U		0.0709	0.280	25	12/01/2017 08:22	WG1048101
Isopropylbenzene	U		0.00682	0.0280	25	12/01/2017 08:22	WG1048101
p-Isopropyltoluene	U		0.00572	0.0280	25	12/01/2017 08:22	WG1048101
2-Butanone (MEK)	U		0.131	0.280	25	12/01/2017 08:22	WG1048101
Methylene Chloride	U		0.0280	0.140	25	12/01/2017 08:22	WG1048101
4-Methyl-2-pentanone (MIBK)	U		0.0527	0.280	25	12/01/2017 08:22	WG1048101

JC 12/19/17

B-226-16

Collected date/time: 11/28/17 09:35

SAMPLE RESULTS - 18

L953811

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.00595	0.0280	25	12/01/2017 08:22	WG1048101
Naphthalene	U		0.0280	0.140	25	12/01/2017 08:22	WG1048101
n-Propylbenzene	U		0.00578	0.0280	25	12/01/2017 08:22	WG1048101
Styrene	U		0.00656	0.0280	25	12/01/2017 08:22	WG1048101
1,1,1,2-Tetrachloroethane	U		0.00740	0.0280	25	12/01/2017 08:22	WG1048101
1,1,2,2-Tetrachloroethane	U		0.0102	0.0280	25	12/01/2017 08:22	WG1048101
1,1,2-Trichlorotrifluoroethane	U		0.0102	0.0280	25	12/01/2017 08:22	WG1048101
Tetrachloroethene	21.7 J		0.155	0.561	500	12/04/2017 20:47	WG1048101
Toluene	U		0.0121	0.140	25	12/01/2017 08:22	WG1048101
1,2,3-Trichlorobenzene	U		0.00858	0.0280	25	12/01/2017 08:22	WG1048101
1,2,4-Trichlorobenzene	U		0.0109	0.0280	25	12/01/2017 08:22	WG1048101
1,1,1-Trichloroethane	U		0.00802	0.0280	25	12/01/2017 08:22	WG1048101
1,1,2-Trichloroethane	U		0.00776	0.0280	25	12/01/2017 08:22	WG1048101
Trichloroethene	0.917 J		0.00783	0.0280	25	12/01/2017 08:22	WG1048101
Trichlorofluoromethane	U		0.0107	0.140	25	12/01/2017 08:22	WG1048101
1,2,3-Trichloropropane	U		0.0208	0.0701	25	12/01/2017 08:22	WG1048101
1,2,4-Trimethylbenzene	U		0.00592	0.0280	25	12/01/2017 08:22	WG1048101
1,2,3-Trimethylbenzene	U		0.00806	0.0280	25	12/01/2017 08:22	WG1048101
1,3,5-Trimethylbenzene	U		0.00746	0.0280	25	12/01/2017 08:22	WG1048101
Vinyl acetate	U UJ	J0	0.0671	0.280	25	12/01/2017 08:22	WG1048101
Vinyl chloride	0.0557 J		0.00817	0.0280	25	12/01/2017 08:22	WG1048101
Xylenes, Total	U		0.0195	0.0841	25	12/01/2017 08:22	WG1048101
(S) Toluene-d8	*106*			*80.0-120*		*12/01/2017 08:22*	WG1048101
(S) Toluene-d8	*106*			*80.0-120*		*12/04/2017 20:47*	WG1048101
(S) Dibromofluoromethane	*101*			*74.0-131*		*12/01/2017 08:22*	WG1048101
(S) Dibromofluoromethane	*110*			*74.0-131*		*12/04/2017 20:47*	WG1048101
(S) 4-Bromofluorobenzene	*96.4*			*64.0-132*		*12/01/2017 08:22*	WG1048101
(S) 4-Bromofluorobenzene	*96.7*			*64.0-132*		*12/04/2017 20:47*	WG1048101

Sample Narrative:

L953811-18 WG1048101: Cannot be analyzed at a lower dilution due to high levels of target analytes.

JC 12/19/17

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	90.4		1	12/01/2017 11:36	WG1048267

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0111	0.0553	1	12/01/2017 08:41	WG1048101
Acrylonitrile	U		0.00198	0.0111	1	12/01/2017 08:41	WG1048101
Benzene	U		0.000299	0.00111	1	12/01/2017 08:41	WG1048101
Bromobenzene	U		0.000314	0.00111	1	12/01/2017 08:41	WG1048101
Bromodichloromethane	U		0.000281	0.00111	1	12/01/2017 08:41	WG1048101
Bromochloromethane	U		0.000431	0.00553	1	12/01/2017 08:41	WG1048101
Bromoform	U		0.000469	0.00111	1	12/01/2017 08:41	WG1048101
Bromomethane	U		0.00148	0.00553	1	12/01/2017 08:41	WG1048101
n-Butylbenzene	U		0.000285	0.00111	1	12/01/2017 08:41	WG1048101
sec-Butylbenzene	U		0.000222	0.00111	1	12/01/2017 08:41	WG1048101
tert-Butylbenzene	U		0.000228	0.00111	1	12/01/2017 08:41	WG1048101
Carbon disulfide	0.000710 J	J	0.000245	0.00111	1	12/01/2017 08:41	WG1048101
Carbon tetrachloride	U		0.000363	0.00111	1	12/01/2017 08:41	WG1048101
Chlorobenzene	U		0.000235	0.00111	1	12/01/2017 08:41	WG1048101
Chlorodibromomethane	U		0.000413	0.00111	1	12/01/2017 08:41	WG1048101
Chloroethane	U		0.00105	0.00553	1	12/01/2017 08:41	WG1048101
Chloroform	U		0.000253	0.00553	1	12/01/2017 08:41	WG1048101
Chloromethane	U		0.000415	0.00277	1	12/01/2017 08:41	WG1048101
2-Chlorotoluene	U		0.000333	0.00111	1	12/01/2017 08:41	WG1048101
4-Chlorotoluene	U		0.000266	0.00111	1	12/01/2017 08:41	WG1048101
1,2-Dibromo-3-Chloropropane	U		0.00116	0.00553	1	12/01/2017 08:41	WG1048101
1,2-Dibromoethane	U		0.000379	0.00111	1	12/01/2017 08:41	WG1048101
Dibromomethane	U		0.000423	0.00111	1	12/01/2017 08:41	WG1048101
1,2-Dichlorobenzene	U		0.000337	0.00111	1	12/01/2017 08:41	WG1048101
1,3-Dichlorobenzene	U		0.000264	0.00111	1	12/01/2017 08:41	WG1048101
1,4-Dichlorobenzene	U		0.000250	0.00111	1	12/01/2017 08:41	WG1048101
Dichlorodifluoromethane	U		0.000789	0.00553	1	12/01/2017 08:41	WG1048101
1,1-Dichloroethane	U		0.000220	0.00111	1	12/01/2017 08:41	WG1048101
1,2-Dichloroethane	U		0.000293	0.00111	1	12/01/2017 08:41	WG1048101
1,1-Dichloroethene	U		0.000335	0.00111	1	12/01/2017 08:41	WG1048101
cis-1,2-Dichloroethene	0.0714 J		0.000260	0.00111	1	12/01/2017 08:41	WG1048101
trans-1,2-Dichloroethene	0.000613 J	J	0.000292	0.00111	1	12/01/2017 08:41	WG1048101
1,2-Dichloropropane	U		0.000396	0.00111	1	12/01/2017 08:41	WG1048101
1,1-Dichloropropene	U		0.000351	0.00111	1	12/01/2017 08:41	WG1048101
1,3-Dichloropropane	U		0.000229	0.00111	1	12/01/2017 08:41	WG1048101
cis-1,3-Dichloropropene	U		0.000290	0.00111	1	12/01/2017 08:41	WG1048101
trans-1,3-Dichloropropene	U		0.000295	0.00111	1	12/01/2017 08:41	WG1048101
trans-1,4-Dichloro-2-butene	U		0.000861	0.00277	1	12/01/2017 08:41	WG1048101
2,2-Dichloropropane	U		0.000309	0.00111	1	12/01/2017 08:41	WG1048101
Di-isopropyl ether	U		0.000274	0.00111	1	12/01/2017 08:41	WG1048101
Ethylbenzene	U		0.000329	0.00111	1	12/01/2017 08:41	WG1048101
Hexachloro-1,3-butadiene	U		0.000378	0.00111	1	12/01/2017 08:41	WG1048101
2-Hexanone	U		0.00152	0.0111	1	12/01/2017 08:41	WG1048101
n-Hexane	U		0.000321	0.0111	1	12/01/2017 08:41	WG1048101
Iodomethane	U		0.00280	0.0111	1	12/01/2017 08:41	WG1048101
Isopropylbenzene	U		0.000269	0.00111	1	12/01/2017 08:41	WG1048101
p-Isopropyltoluene	U		0.000226	0.00111	1	12/01/2017 08:41	WG1048101
2-Butanone (MEK)	U		0.00518	0.0111	1	12/01/2017 08:41	WG1048101
Methylene Chloride	U		0.00111	0.00553	1	12/01/2017 08:41	WG1048101
4-Methyl-2-pentanone (MIBK)	U		0.00208	0.0111	1	12/01/2017 08:41	WG1048101

JC 12/19/17

B-920-35

Collected date/time: 11/28/17 16:00

SAMPLE RESULTS - 19

L953811

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

Analyte	Result (dry) mg/kg		Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U			0.000235	0.00111	1	12/01/2017 08:41	WG1048101
Naphthalene	U			0.00111	0.00553	1	12/01/2017 08:41	WG1048101
n-Propylbenzene	U			0.000228	0.00111	1	12/01/2017 08:41	WG1048101
Styrene	U			0.000259	0.00111	1	12/01/2017 08:41	WG1048101
1,1,1,2-Tetrachloroethane	U			0.000292	0.00111	1	12/01/2017 08:41	WG1048101
1,1,2,2-Tetrachloroethane	U			0.000404	0.00111	1	12/01/2017 08:41	WG1048101
1,1,2-Trichlorotrifluoroethane	U			0.000404	0.00111	1	12/01/2017 08:41	WG1048101
Tetrachloroethene	10.6	J		0.0173	0.0625	56.5	12/04/2017 21:07	WG1048101
Toluene	U			0.000480	0.00553	1	12/01/2017 08:41	WG1048101
1,2,3-Trichlorobenzene	U			0.000339	0.00111	1	12/01/2017 08:41	WG1048101
1,2,4-Trichlorobenzene	U			0.000429	0.00111	1	12/01/2017 08:41	WG1048101
1,1,1-Trichloroethane	U			0.000316	0.00111	1	12/01/2017 08:41	WG1048101
1,1,2-Trichloroethane	U			0.000306	0.00111	1	12/01/2017 08:41	WG1048101
Trichloroethene	0.0316	J		0.000309	0.00111	1	12/01/2017 08:41	WG1048101
Trichlorofluoromethane	U			0.000423	0.00553	1	12/01/2017 08:41	WG1048101
1,2,3-Trichloropropane	U			0.000820	0.00277	1	12/01/2017 08:41	WG1048101
1,2,4-Trimethylbenzene	U			0.000233	0.00111	1	12/01/2017 08:41	WG1048101
1,2,3-Trimethylbenzene	U			0.000318	0.00111	1	12/01/2017 08:41	WG1048101
1,3,5-Trimethylbenzene	U			0.000294	0.00111	1	12/01/2017 08:41	WG1048101
Vinyl acetate	U	UJ	J0	0.00264	0.0111	1	12/01/2017 08:41	WG1048101
Vinyl chloride	0.00141	J		0.000322	0.00111	1	12/01/2017 08:41	WG1048101
Xylenes, Total	U			0.000772	0.00332	1	12/01/2017 08:41	WG1048101
(S) Toluene-d8	*106*				*80.0-120*		*12/04/2017 21:07*	WG1048101
(S) Toluene-d8	*99.9*				*80.0-120*		*12/01/2017 08:41*	WG1048101
(S) Dibromofluoromethane	*105*				*74.0-131*		*12/01/2017 08:41*	WG1048101
(S) Dibromofluoromethane	*106*				*74.0-131*		*12/04/2017 21:07*	WG1048101
(S) 4-Bromofluorobenzene	*98.4*				*64.0-132*		*12/01/2017 08:41*	WG1048101
(S) 4-Bromofluorobenzene	*98.6*				*64.0-132*		*12/04/2017 21:07*	WG1048101

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

JC 12/19/17

B-226-21

Collected date/time: 11/28/17 09:50

SAMPLE RESULTS - 20

L953811

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	87.8		1	12/01/2017 11:36	WG1048267

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0114	0.0570	1	12/01/2017 09:01	WG1048101
Acrylonitrile	U		0.00204	0.0114	1	12/01/2017 09:01	WG1048101
Benzene	U		0.000308	0.00114	1	12/01/2017 09:01	WG1048101
Bromobenzene	U		0.000323	0.00114	1	12/01/2017 09:01	WG1048101
Bromodichloromethane	U		0.000289	0.00114	1	12/01/2017 09:01	WG1048101
Bromochloromethane	U		0.000444	0.00570	1	12/01/2017 09:01	WG1048101
Bromoform	U		0.000483	0.00114	1	12/01/2017 09:01	WG1048101
Bromomethane	U		0.00153	0.00570	1	12/01/2017 09:01	WG1048101
n-Butylbenzene	U		0.000294	0.00114	1	12/01/2017 09:01	WG1048101
sec-Butylbenzene	U		0.000229	0.00114	1	12/01/2017 09:01	WG1048101
tert-Butylbenzene	U		0.000235	0.00114	1	12/01/2017 09:01	WG1048101
Carbon disulfide	U		0.000252	0.00114	1	12/01/2017 09:01	WG1048101
Carbon tetrachloride	U		0.000374	0.00114	1	12/01/2017 09:01	WG1048101
Chlorobenzene	U		0.000241	0.00114	1	12/01/2017 09:01	WG1048101
Chlorodibromomethane	U		0.000425	0.00114	1	12/01/2017 09:01	WG1048101
Chloroethane	U		0.00108	0.00570	1	12/01/2017 09:01	WG1048101
Chloroform	U		0.000261	0.00570	1	12/01/2017 09:01	WG1048101
Chloromethane	U		0.000427	0.00285	1	12/01/2017 09:01	WG1048101
2-Chlorotoluene	U		0.000343	0.00114	1	12/01/2017 09:01	WG1048101
4-Chlorotoluene	U		0.000273	0.00114	1	12/01/2017 09:01	WG1048101
1,2-Dibromo-3-Chloropropane	U		0.00120	0.00570	1	12/01/2017 09:01	WG1048101
1,2-Dibromoethane	U		0.000391	0.00114	1	12/01/2017 09:01	WG1048101
Dibromomethane	U		0.000435	0.00114	1	12/01/2017 09:01	WG1048101
1,2-Dichlorobenzene	U		0.000347	0.00114	1	12/01/2017 09:01	WG1048101
1,3-Dichlorobenzene	U		0.000272	0.00114	1	12/01/2017 09:01	WG1048101
1,4-Dichlorobenzene	U		0.000257	0.00114	1	12/01/2017 09:01	WG1048101
Dichlorodifluoromethane	U		0.000812	0.00570	1	12/01/2017 09:01	WG1048101
1,1-Dichloroethane	U		0.000227	0.00114	1	12/01/2017 09:01	WG1048101
1,2-Dichloroethane	U		0.000302	0.00114	1	12/01/2017 09:01	WG1048101
1,1-Dichloroethene	U		0.000345	0.00114	1	12/01/2017 09:01	WG1048101
cis-1,2-Dichloroethene	0.00832		0.000268	0.00114	1	12/01/2017 09:01	WG1048101
trans-1,2-Dichloroethene	U		0.000301	0.00114	1	12/01/2017 09:01	WG1048101
1,2-Dichloropropane	U		0.000408	0.00114	1	12/01/2017 09:01	WG1048101
1,1-Dichloropropene	U		0.000361	0.00114	1	12/01/2017 09:01	WG1048101
1,3-Dichloropropane	U		0.000236	0.00114	1	12/01/2017 09:01	WG1048101
cis-1,3-Dichloropropene	U		0.000298	0.00114	1	12/01/2017 09:01	WG1048101
trans-1,3-Dichloropropene	U		0.000304	0.00114	1	12/01/2017 09:01	WG1048101
trans-1,4-Dichloro-2-butene	U		0.000886	0.00285	1	12/01/2017 09:01	WG1048101
2,2-Dichloropropane	U		0.000318	0.00114	1	12/01/2017 09:01	WG1048101
Di-isopropyl ether	U		0.000282	0.00114	1	12/01/2017 09:01	WG1048101
Ethylbenzene	U		0.000338	0.00114	1	12/01/2017 09:01	WG1048101
Hexachloro-1,3-butadiene	U		0.000390	0.00114	1	12/01/2017 09:01	WG1048101
2-Hexanone	U		0.00156	0.0114	1	12/01/2017 09:01	WG1048101
n-Hexane	U		0.000330	0.0114	1	12/01/2017 09:01	WG1048101
Iodomethane	U		0.00288	0.0114	1	12/01/2017 09:01	WG1048101
Isopropylbenzene	U		0.000277	0.00114	1	12/01/2017 09:01	WG1048101
p-Isopropyltoluene	U		0.000232	0.00114	1	12/01/2017 09:01	WG1048101
2-Butanone (MEK)	U		0.00533	0.0114	1	12/01/2017 09:01	WG1048101
Methylene Chloride	U		0.00114	0.00570	1	12/01/2017 09:01	WG1048101
4-Methyl-2-pentanone (MIBK)	U		0.00214	0.0114	1	12/01/2017 09:01	WG1048101

JC 12/19/17

B-226-21

Collected date/time: 11/28/17 09:50

SAMPLE RESULTS - 20

L953811

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000241	0.00114	1	12/01/2017 09:01	WG1048101
Naphthalene	U		0.00114	0.00570	1	12/01/2017 09:01	WG1048101
n-Propylbenzene	U		0.000235	0.00114	1	12/01/2017 09:01	WG1048101
Styrene	U		0.000267	0.00114	1	12/01/2017 09:01	WG1048101
1,1,1,2-Tetrachloroethane	U		0.000301	0.00114	1	12/01/2017 09:01	WG1048101
1,1,2,2-Tetrachloroethane	U		0.000416	0.00114	1	12/01/2017 09:01	WG1048101
1,1,2-Trichlorotrifluoroethane	U		0.000416	0.00114	1	12/01/2017 09:01	WG1048101
Tetrachloroethene	3.07		0.00911	0.0330	29	12/04/2017 23:48	WG1048101
Toluene	U		0.000494	0.00570	1	12/01/2017 09:01	WG1048101
1,2,3-Trichlorobenzene	U		0.000349	0.00114	1	12/01/2017 09:01	WG1048101
1,2,4-Trichlorobenzene	U		0.000442	0.00114	1	12/01/2017 09:01	WG1048101
1,1,1-Trichloroethane	U		0.000326	0.00114	1	12/01/2017 09:01	WG1048101
1,1,2-Trichloroethane	U		0.000316	0.00114	1	12/01/2017 09:01	WG1048101
Trichloroethene	0.00779		0.000318	0.00114	1	12/01/2017 09:01	WG1048101
Trichlorofluoromethane	U		0.000435	0.00570	1	12/01/2017 09:01	WG1048101
1,2,3-Trichloropropane	U		0.000844	0.00285	1	12/01/2017 09:01	WG1048101
1,2,4-Trimethylbenzene	U		0.000240	0.00114	1	12/01/2017 09:01	WG1048101
1,2,3-Trimethylbenzene	U		0.000327	0.00114	1	12/01/2017 09:01	WG1048101
1,3,5-Trimethylbenzene	U		0.000303	0.00114	1	12/01/2017 09:01	WG1048101
Vinyl acetate	U UJ	J0	0.00272	0.0114	1	12/01/2017 09:01	WG1048101
Vinyl chloride	0.000390 J	J	0.000331	0.00114	1	12/01/2017 09:01	WG1048101
Xylenes, Total	U		0.000795	0.00342	1	12/01/2017 09:01	WG1048101
(S) Toluene-d8	*109*			*80.0-120*		*12/04/2017 23:48*	WG1048101
(S) Toluene-d8	*98.3*			*80.0-120*		*12/01/2017 09:01*	WG1048101
(S) Dibromofluoromethane	*107*			*74.0-131*		*12/01/2017 09:01*	WG1048101
(S) Dibromofluoromethane	*99.2*			*74.0-131*		*12/04/2017 23:48*	WG1048101
(S) 4-Bromofluorobenzene	*100*			*64.0-132*		*12/04/2017 23:48*	WG1048101
(S) 4-Bromofluorobenzene	*97.7*			*64.0-132*		*12/01/2017 09:01*	WG1048101

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

JC 12/19/17

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	93.9		1	12/01/2017 11:36	WG1048267

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0106	0.0532	1	12/02/2017 02:53	WG1048471
Acrylonitrile	U		0.00191	0.0106	1	12/02/2017 02:53	WG1048471
Benzene	U		0.000287	0.00106	1	12/02/2017 02:53	WG1048471
Bromobenzene	U		0.000302	0.00106	1	12/02/2017 02:53	WG1048471
Bromodichloromethane	U		0.000270	0.00106	1	12/02/2017 02:53	WG1048471
Bromochloromethane	U		0.000415	0.00532	1	12/02/2017 02:53	WG1048471
Bromoform	U		0.000451	0.00106	1	12/02/2017 02:53	WG1048471
Bromomethane	U		0.00143	0.00532	1	12/02/2017 02:53	WG1048471
n-Butylbenzene	U		0.000275	0.00106	1	12/02/2017 02:53	WG1048471
sec-Butylbenzene	U		0.000214	0.00106	1	12/02/2017 02:53	WG1048471
tert-Butylbenzene	U		0.000219	0.00106	1	12/02/2017 02:53	WG1048471
Carbon disulfide	0.000372 J	J	0.000235	0.00106	1	12/02/2017 02:53	WG1048471
Carbon tetrachloride	U		0.000349	0.00106	1	12/02/2017 02:53	WG1048471
Chlorobenzene	U		0.000226	0.00106	1	12/02/2017 02:53	WG1048471
Chlorodibromomethane	U		0.000397	0.00106	1	12/02/2017 02:53	WG1048471
Chloroethane	U		0.00101	0.00532	1	12/02/2017 02:53	WG1048471
Chloroform	U		0.000244	0.00532	1	12/02/2017 02:53	WG1048471
Chloromethane	U		0.000399	0.00266	1	12/02/2017 02:53	WG1048471
2-Chlorotoluene	U		0.000320	0.00106	1	12/02/2017 02:53	WG1048471
4-Chlorotoluene	U		0.000256	0.00106	1	12/02/2017 02:53	WG1048471
1,2-Dibromo-3-Chloropropane	U		0.00112	0.00532	1	12/02/2017 02:53	WG1048471
1,2-Dibromoethane	U		0.000365	0.00106	1	12/02/2017 02:53	WG1048471
Dibromomethane	U		0.000407	0.00106	1	12/02/2017 02:53	WG1048471
1,2-Dichlorobenzene	U		0.000325	0.00106	1	12/02/2017 02:53	WG1048471
1,3-Dichlorobenzene	U		0.000254	0.00106	1	12/02/2017 02:53	WG1048471
1,4-Dichlorobenzene	U		0.000241	0.00106	1	12/02/2017 02:53	WG1048471
Dichlorodifluoromethane	U		0.000759	0.00532	1	12/02/2017 02:53	WG1048471
1,1-Dichloroethane	U		0.000212	0.00106	1	12/02/2017 02:53	WG1048471
1,2-Dichloroethane	U		0.000282	0.00106	1	12/02/2017 02:53	WG1048471
1,1-Dichloroethene	0.000856 J	J	0.000323	0.00106	1	12/02/2017 02:53	WG1048471
cis-1,2-Dichloroethene	0.135		0.000250	0.00106	1	12/02/2017 02:53	WG1048471
trans-1,2-Dichloroethene	0.00128		0.000281	0.00106	1	12/02/2017 02:53	WG1048471
1,2-Dichloropropane	U		0.000381	0.00106	1	12/02/2017 02:53	WG1048471
1,1-Dichloropropene	U		0.000338	0.00106	1	12/02/2017 02:53	WG1048471
1,3-Dichloropropane	U		0.000220	0.00106	1	12/02/2017 02:53	WG1048471
cis-1,3-Dichloropropene	U		0.000279	0.00106	1	12/02/2017 02:53	WG1048471
trans-1,3-Dichloropropene	U		0.000284	0.00106	1	12/02/2017 02:53	WG1048471
trans-1,4-Dichloro-2-butene	U		0.000828	0.00266	1	12/02/2017 02:53	WG1048471
2,2-Dichloropropane	U		0.000297	0.00106	1	12/02/2017 02:53	WG1048471
Di-isopropyl ether	U		0.000264	0.00106	1	12/02/2017 02:53	WG1048471
Ethylbenzene	U		0.000316	0.00106	1	12/02/2017 02:53	WG1048471
Hexachloro-1,3-butadiene	U		0.000364	0.00106	1	12/02/2017 02:53	WG1048471
2-Hexanone	U		0.00146	0.0106	1	12/02/2017 02:53	WG1048471
n-Hexane	0.00216 J	J	0.000309	0.0106	1	12/02/2017 02:53	WG1048471
Iodomethane	U		0.00269	0.0106	1	12/02/2017 02:53	WG1048471
Isopropylbenzene	U		0.000259	0.00106	1	12/02/2017 02:53	WG1048471
p-Isopropyltoluene	U		0.000217	0.00106	1	12/02/2017 02:53	WG1048471
2-Butanone (MEK)	U		0.00498	0.0106	1	12/02/2017 02:53	WG1048471
Methylene Chloride	U		0.00106	0.00532	1	12/02/2017 02:53	WG1048471
4-Methyl-2-pentanone (MIBK)	U		0.00200	0.0106	1	12/02/2017 02:53	WG1048471

JC 12/19/17

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000226	0.00106	1	12/02/2017 02:53	WG1048471
Naphthalene	U		0.00106	0.00532	1	12/02/2017 02:53	WG1048471
n-Propylbenzene	U		0.000219	0.00106	1	12/02/2017 02:53	WG1048471
Styrene	U		0.000249	0.00106	1	12/02/2017 02:53	WG1048471
1,1,1,2-Tetrachloroethane	U		0.000281	0.00106	1	12/02/2017 02:53	WG1048471
1,1,2,2-Tetrachloroethane	U		0.000389	0.00106	1	12/02/2017 02:53	WG1048471
1,1,2-Trichlorotrifluoroethane	U		0.000389	0.00106	1	12/02/2017 02:53	WG1048471
Tetrachloroethene	4.80		0.0147	0.0532	50	12/02/2017 15:16	WG1048471
Toluene	U		0.000462	0.00532	1	12/02/2017 02:53	WG1048471
1,2,3-Trichlorobenzene	U		0.000326	0.00106	1	12/02/2017 02:53	WG1048471
1,2,4-Trichlorobenzene	U		0.000413	0.00106	1	12/02/2017 02:53	WG1048471
1,1,1-Trichloroethane	U		0.000305	0.00106	1	12/02/2017 02:53	WG1048471
1,1,2-Trichloroethane	U		0.000295	0.00106	1	12/02/2017 02:53	WG1048471
Trichloroethene	0.0755		0.000297	0.00106	1	12/02/2017 02:53	WG1048471
Trichlorofluoromethane	U		0.000407	0.00532	1	12/02/2017 02:53	WG1048471
1,2,3-Trichloropropane	U		0.000789	0.00266	1	12/02/2017 02:53	WG1048471
1,2,4-Trimethylbenzene	U		0.000225	0.00106	1	12/02/2017 02:53	WG1048471
1,2,3-Trimethylbenzene	U		0.000306	0.00106	1	12/02/2017 02:53	WG1048471
1,3,5-Trimethylbenzene	U		0.000283	0.00106	1	12/02/2017 02:53	WG1048471
Vinyl acetate	U		0.00254	0.0106	1	12/02/2017 02:53	WG1048471
Vinyl chloride	0.0102		0.000310	0.00106	1	12/02/2017 02:53	WG1048471
Xylenes, Total	U		0.000743	0.00319	1	12/02/2017 02:53	WG1048471
(S) Toluene-d8	*97.0*			*80.0-120*		*12/02/2017 02:53*	WG1048471
(S) Toluene-d8	*103*			*80.0-120*		*12/02/2017 15:16*	WG1048471
(S) Dibromofluoromethane	*104*			*74.0-131*		*12/02/2017 02:53*	WG1048471
(S) Dibromofluoromethane	*103*			*74.0-131*		*12/02/2017 15:16*	WG1048471
(S) 4-Bromofluorobenzene	*100*			*64.0-132*		*12/02/2017 02:53*	WG1048471
(S) 4-Bromofluorobenzene	*101*			*64.0-132*		*12/02/2017 15:16*	WG1048471

JC 12/19/17

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	87.4		1	12/01/2017 11:36	WG1048267

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0114	0.0572	1	12/02/2017 03:13	WG1048471
Acrylonitrile	U		0.00205	0.0114	1	12/02/2017 03:13	WG1048471
Benzene	U		0.000309	0.00114	1	12/02/2017 03:13	WG1048471
Bromobenzene	U		0.000325	0.00114	1	12/02/2017 03:13	WG1048471
Bromodichloromethane	U		0.000291	0.00114	1	12/02/2017 03:13	WG1048471
Bromochloromethane	U		0.000446	0.00572	1	12/02/2017 03:13	WG1048471
Bromoform	U		0.000485	0.00114	1	12/02/2017 03:13	WG1048471
Bromomethane	U		0.00153	0.00572	1	12/02/2017 03:13	WG1048471
n-Butylbenzene	U		0.000295	0.00114	1	12/02/2017 03:13	WG1048471
sec-Butylbenzene	U		0.000230	0.00114	1	12/02/2017 03:13	WG1048471
tert-Butylbenzene	U		0.000236	0.00114	1	12/02/2017 03:13	WG1048471
Carbon disulfide	0.000491 J	J	0.000253	0.00114	1	12/02/2017 03:13	WG1048471
Carbon tetrachloride	U		0.000375	0.00114	1	12/02/2017 03:13	WG1048471
Chlorobenzene	U		0.000243	0.00114	1	12/02/2017 03:13	WG1048471
Chlorodibromomethane	U		0.000427	0.00114	1	12/02/2017 03:13	WG1048471
Chloroethane	0.00130 J	J	0.00108	0.00572	1	12/02/2017 03:13	WG1048471
Chloroform	0.00127 J	J	0.000262	0.00572	1	12/02/2017 03:13	WG1048471
Chloromethane	U		0.000429	0.00286	1	12/02/2017 03:13	WG1048471
2-Chlorotoluene	U		0.000345	0.00114	1	12/02/2017 03:13	WG1048471
4-Chlorotoluene	U		0.000275	0.00114	1	12/02/2017 03:13	WG1048471
1,2-Dibromo-3-Chloropropane	U		0.00120	0.00572	1	12/02/2017 03:13	WG1048471
1,2-Dibromoethane	U		0.000393	0.00114	1	12/02/2017 03:13	WG1048471
Dibromomethane	U		0.000437	0.00114	1	12/02/2017 03:13	WG1048471
1,2-Dichlorobenzene	U		0.000349	0.00114	1	12/02/2017 03:13	WG1048471
1,3-Dichlorobenzene	U		0.000274	0.00114	1	12/02/2017 03:13	WG1048471
1,4-Dichlorobenzene	U		0.000259	0.00114	1	12/02/2017 03:13	WG1048471
Dichlorodifluoromethane	U		0.000816	0.00572	1	12/02/2017 03:13	WG1048471
1,1-Dichloroethane	U		0.000228	0.00114	1	12/02/2017 03:13	WG1048471
1,2-Dichloroethane	U		0.000303	0.00114	1	12/02/2017 03:13	WG1048471
1,1-Dichloroethene	0.000559 J	J	0.000347	0.00114	1	12/02/2017 03:13	WG1048471
cis-1,2-Dichloroethene	0.112		0.000269	0.00114	1	12/02/2017 03:13	WG1048471
trans-1,2-Dichloroethene	0.000939 J	J	0.000302	0.00114	1	12/02/2017 03:13	WG1048471
1,2-Dichloropropane	U		0.000410	0.00114	1	12/02/2017 03:13	WG1048471
1,1-Dichloropropene	U		0.000363	0.00114	1	12/02/2017 03:13	WG1048471
1,3-Dichloropropane	U		0.000237	0.00114	1	12/02/2017 03:13	WG1048471
cis-1,3-Dichloropropene	U		0.000300	0.00114	1	12/02/2017 03:13	WG1048471
trans-1,3-Dichloropropene	U		0.000306	0.00114	1	12/02/2017 03:13	WG1048471
trans-1,4-Dichloro-2-butene	U		0.000891	0.00286	1	12/02/2017 03:13	WG1048471
2,2-Dichloropropane	U		0.000319	0.00114	1	12/02/2017 03:13	WG1048471
Di-isopropyl ether	U		0.000284	0.00114	1	12/02/2017 03:13	WG1048471
Ethylbenzene	U		0.000340	0.00114	1	12/02/2017 03:13	WG1048471
Hexachloro-1,3-butadiene	U		0.000392	0.00114	1	12/02/2017 03:13	WG1048471
2-Hexanone	U		0.00157	0.0114	1	12/02/2017 03:13	WG1048471
n-Hexane	0.0159		0.000332	0.0114	1	12/02/2017 03:13	WG1048471
Iodomethane	U		0.00290	0.0114	1	12/02/2017 03:13	WG1048471
Isopropylbenzene	U		0.000278	0.00114	1	12/02/2017 03:13	WG1048471
p-Isopropyltoluene	U		0.000234	0.00114	1	12/02/2017 03:13	WG1048471
2-Butanone (MEK)	U		0.00536	0.0114	1	12/02/2017 03:13	WG1048471
Methylene Chloride	U		0.00114	0.00572	1	12/02/2017 03:13	WG1048471
4-Methyl-2-pentanone (MIBK)	U		0.00215	0.0114	1	12/02/2017 03:13	WG1048471

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000243	0.00114	1	12/02/2017 03:13	WG1048471
Naphthalene	U		0.00114	0.00572	1	12/02/2017 03:13	WG1048471
n-Propylbenzene	U		0.000236	0.00114	1	12/02/2017 03:13	WG1048471
Styrene	U		0.000268	0.00114	1	12/02/2017 03:13	WG1048471
1,1,1,2-Tetrachloroethane	U		0.000302	0.00114	1	12/02/2017 03:13	WG1048471
1,1,2,2-Tetrachloroethane	U		0.000418	0.00114	1	12/02/2017 03:13	WG1048471
1,1,2-Trichlorotrifluoroethane	U		0.000418	0.00114	1	12/02/2017 03:13	WG1048471
Tetrachloroethene	1.75		0.0316	0.114	100	12/02/2017 15:35	WG1048471
Toluene	U		0.000497	0.00572	1	12/02/2017 03:13	WG1048471
1,2,3-Trichlorobenzene	U		0.000350	0.00114	1	12/02/2017 03:13	WG1048471
1,2,4-Trichlorobenzene	U		0.000444	0.00114	1	12/02/2017 03:13	WG1048471
1,1,1-Trichloroethane	U		0.000327	0.00114	1	12/02/2017 03:13	WG1048471
1,1,2-Trichloroethane	U		0.000317	0.00114	1	12/02/2017 03:13	WG1048471
Trichloroethene	0.0401		0.000319	0.00114	1	12/02/2017 03:13	WG1048471
Trichlorofluoromethane	U		0.000437	0.00572	1	12/02/2017 03:13	WG1048471
1,2,3-Trichloropropane	U		0.000848	0.00286	1	12/02/2017 03:13	WG1048471
1,2,4-Trimethylbenzene	U		0.000242	0.00114	1	12/02/2017 03:13	WG1048471
1,2,3-Trimethylbenzene	U		0.000329	0.00114	1	12/02/2017 03:13	WG1048471
1,3,5-Trimethylbenzene	U		0.000305	0.00114	1	12/02/2017 03:13	WG1048471
Vinyl acetate	U		0.00274	0.0114	1	12/02/2017 03:13	WG1048471
Vinyl chloride	0.0188		0.000333	0.00114	1	12/02/2017 03:13	WG1048471
Xylenes, Total	U		0.000799	0.00343	1	12/02/2017 03:13	WG1048471
(S) Toluene-d8	*102*			*80.0-120*		*12/02/2017 15:35*	WG1048471
(S) Toluene-d8	*98.0*			*80.0-120*		*12/02/2017 03:13*	WG1048471
(S) Dibromofluoromethane	*106*			*74.0-131*		*12/02/2017 03:13*	WG1048471
(S) Dibromofluoromethane	*103*			*74.0-131*		*12/02/2017 15:35*	WG1048471
(S) 4-Bromofluorobenzene	*102*			*64.0-132*		*12/02/2017 15:35*	WG1048471
(S) 4-Bromofluorobenzene	*96.4*			*64.0-132*		*12/02/2017 03:13*	WG1048471

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	7.02 J	J J0	1.05	25.0	1	11/30/2017 11:59	WG1047838
Acrylonitrile	U		0.873	5.00	1	11/30/2017 11:59	WG1047838
Benzene	U		0.0896	0.500	1	11/30/2017 11:59	WG1047838
Bromobenzene	U		0.133	0.500	1	11/30/2017 11:59	WG1047838
Bromodichloromethane	U		0.0800	0.500	1	11/30/2017 11:59	WG1047838
Bromochloromethane	U		0.145	0.500	1	11/30/2017 11:59	WG1047838
Bromoform	U		0.186	0.500	1	11/30/2017 11:59	WG1047838
Bromomethane	U		0.157	2.50	1	11/30/2017 11:59	WG1047838
n-Butylbenzene	U		0.143	0.500	1	11/30/2017 11:59	WG1047838
sec-Butylbenzene	U		0.134	0.500	1	11/30/2017 11:59	WG1047838
tert-Butylbenzene	U		0.183	0.500	1	11/30/2017 11:59	WG1047838
Carbon disulfide	U		0.101	0.500	1	11/30/2017 11:59	WG1047838
Carbon tetrachloride	U		0.159	0.500	1	11/30/2017 11:59	WG1047838
Chlorobenzene	U		0.140	0.500	1	11/30/2017 11:59	WG1047838
Chlorodibromomethane	U		0.128	0.500	1	11/30/2017 11:59	WG1047838
Chloroethane	U		0.141	2.50	1	11/30/2017 11:59	WG1047838
Chloroform	U		0.0860	0.500	1	11/30/2017 11:59	WG1047838
Chloromethane	U		0.153	1.25	1	11/30/2017 11:59	WG1047838
2-Chlorotoluene	U		0.111	0.500	1	11/30/2017 11:59	WG1047838
4-Chlorotoluene	U		0.0972	0.500	1	11/30/2017 11:59	WG1047838
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	11/30/2017 11:59	WG1047838
1,2-Dibromoethane	U		0.193	0.500	1	11/30/2017 11:59	WG1047838
Dibromomethane	U		0.117	0.500	1	11/30/2017 11:59	WG1047838
1,2-Dichlorobenzene	U		0.101	0.500	1	11/30/2017 11:59	WG1047838
1,3-Dichlorobenzene	U		0.130	0.500	1	11/30/2017 11:59	WG1047838
1,4-Dichlorobenzene	U		0.121	0.500	1	11/30/2017 11:59	WG1047838
Dichlorodifluoromethane	U UJ	J0	0.127	2.50	1	11/30/2017 11:59	WG1047838
1,1-Dichloroethane	U		0.114	0.500	1	11/30/2017 11:59	WG1047838
1,2-Dichloroethane	U		0.108	0.500	1	11/30/2017 11:59	WG1047838
1,1-Dichloroethene	U		0.188	0.500	1	11/30/2017 11:59	WG1047838
cis-1,2-Dichloroethene	U		0.0933	0.500	1	11/30/2017 11:59	WG1047838
trans-1,2-Dichloroethene	U		0.152	0.500	1	11/30/2017 11:59	WG1047838
1,2-Dichloropropane	U		0.190	0.500	1	11/30/2017 11:59	WG1047838
1,1-Dichloropropene	U		0.128	0.500	1	11/30/2017 11:59	WG1047838
1,3-Dichloropropane	U		0.147	1.00	1	11/30/2017 11:59	WG1047838
cis-1,3-Dichloropropene	U		0.0976	0.500	1	11/30/2017 11:59	WG1047838
trans-1,3-Dichloropropene	U		0.222	0.500	1	11/30/2017 11:59	WG1047838
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	11/30/2017 11:59	WG1047838
2,2-Dichloropropane	U		0.0929	0.500	1	11/30/2017 11:59	WG1047838
Di-isopropyl ether	U		0.0924	0.500	1	11/30/2017 11:59	WG1047838
Ethylbenzene	U		0.158	0.500	1	11/30/2017 11:59	WG1047838
Hexachloro-1,3-butadiene	U		0.157	1.00	1	11/30/2017 11:59	WG1047838
2-Hexanone	U		0.757	5.00	1	11/30/2017 11:59	WG1047838
n-Hexane	U		0.305	5.00	1	11/30/2017 11:59	WG1047838
Iodomethane	U		0.377	10.0	1	11/30/2017 11:59	WG1047838
Isopropylbenzene	U		0.126	0.500	1	11/30/2017 11:59	WG1047838
p-Isopropyltoluene	U		0.138	0.500	1	11/30/2017 11:59	WG1047838
2-Butanone (MEK)	U		1.28	5.00	1	11/30/2017 11:59	WG1047838
Methylene Chloride	U		1.07	2.50	1	11/30/2017 11:59	WG1047838
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	11/30/2017 11:59	WG1047838
Methyl tert-butyl ether	U		0.102	0.500	1	11/30/2017 11:59	WG1047838
Naphthalene	U		0.174	2.50	1	11/30/2017 11:59	WG1047838
n-Propylbenzene	U		0.162	0.500	1	11/30/2017 11:59	WG1047838
Styrene	U		0.117	0.500	1	11/30/2017 11:59	WG1047838
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	11/30/2017 11:59	WG1047838
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	11/30/2017 11:59	WG1047838

JC 12/19/17

TRIPBLANK-112817

Collected date/time: 11/27/17 00:00

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	11/30/2017 11:59	WG1047838
Tetrachloroethene	0.668 U	B	0.199	0.500	1	11/30/2017 11:59	WG1047838
Toluene	U		0.412	0.500	1	11/30/2017 11:59	WG1047838
1,2,3-Trichlorobenzene	U		0.164	0.500	1	11/30/2017 11:59	WG1047838
1,2,4-Trichlorobenzene	U		0.355	0.500	1	11/30/2017 11:59	WG1047838
1,1,1-Trichloroethane	U		0.0940	0.500	1	11/30/2017 11:59	WG1047838
1,1,2-Trichloroethane	U		0.186	0.500	1	11/30/2017 11:59	WG1047838
Trichloroethene	U		0.153	0.500	1	11/30/2017 11:59	WG1047838
Trichlorofluoromethane	U		0.130	2.50	1	11/30/2017 11:59	WG1047838
1,2,3-Trichloropropane	U		0.247	2.50	1	11/30/2017 11:59	WG1047838
1,2,4-Trimethylbenzene	U		0.123	0.500	1	11/30/2017 11:59	WG1047838
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	11/30/2017 11:59	WG1047838
1,3,5-Trimethylbenzene	U		0.124	0.500	1	11/30/2017 11:59	WG1047838
Vinyl acetate	U UJ	J0 J4	0.645	5.00	1	11/30/2017 11:59	WG1047838
Vinyl chloride	U		0.118	0.500	1	11/30/2017 11:59	WG1047838
Xylenes, Total	U		0.316	1.50	1	11/30/2017 11:59	WG1047838
(S) Toluene-d8	*102*			*80.0-120*		*11/30/2017 11:59*	WG1047838
(S) Dibromofluoromethane	*99.5*			*76.0-123*		*11/30/2017 11:59*	WG1047838
(S) 4-Bromofluorobenzene	*95.1*			*80.0-120*		*11/30/2017 11:59*	WG1047838

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

JC 12/19/17

ANALYTICAL REPORT

December 07, 2017

PES Environmental, Inc.- WA

Sample Delivery Group:	L954448
Samples Received:	12/01/2017
Project Number:	1413.001.02.602
Description:	American Linen Project
Site:	1413.001.02.602
Report To:	Bill Haldeman 1215 Fourth Ave., Suite 1350 Seattle, WA 98161

Entire Report Reviewed By: Brian Ford

Brian Ford
Technical Service Representative

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B-227-6 L954448-01 Solid

Collected by	Collected date/time	Received date/time
Karsten Springstead	11/28/17 13:10	12/01/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1049600	1	12/05/17 13:13	12/05/17 13:36	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1048646	1	11/28/17 13:10	12/02/17 01:04	ACG

B-227-11 L954448-02 Solid

Collected by	Collected date/time	Received date/time
Karsten Springstead	11/28/17 13:20	12/01/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1049600	1	12/05/17 13:13	12/05/17 13:36	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1048646	1	11/28/17 13:20	12/02/17 10:04	ACG

B-227-16 L954448-03 Solid

Collected by	Collected date/time	Received date/time
Karsten Springstead	11/28/17 13:30	12/01/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1049600	1	12/05/17 13:13	12/05/17 13:36	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1048646	1	11/28/17 13:30	12/02/17 10:24	ACG
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1048646	25	11/28/17 13:30	12/05/17 16:31	ACG

B-227-21 L954448-04 Solid

Collected by	Collected date/time	Received date/time
Karsten Springstead	11/28/17 13:40	12/01/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1049600	1	12/05/17 13:13	12/05/17 13:36	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1048646	1	11/28/17 13:40	12/02/17 10:44	ACG
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1048646	119	11/28/17 13:40	12/05/17 19:43	ACG

B-227-26 L954448-05 Solid

Collected by	Collected date/time	Received date/time
Karsten Springstead	11/28/17 13:55	12/01/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1049600	1	12/05/17 13:13	12/05/17 13:36	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1048646	1	11/28/17 13:55	12/02/17 13:56	ACG
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1048646	100	11/28/17 13:55	12/05/17 20:04	ACG

B-227-31 L954448-06 Solid

Collected by	Collected date/time	Received date/time
Karsten Springstead	11/28/17 14:05	12/01/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1049600	1	12/05/17 13:13	12/05/17 13:36	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1048646	1	11/28/17 14:05	12/02/17 14:37	ACG
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1048646	50	11/28/17 14:05	12/05/17 19:01	ACG

B-227-36 L954448-07 Solid

Collected by	Collected date/time	Received date/time
Karsten Springstead	11/28/17 14:15	12/01/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1049600	1	12/05/17 13:13	12/05/17 13:36	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1048646	1	11/28/17 14:15	12/02/17 14:58	ACG
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1048646	25	11/28/17 14:15	12/05/17 16:52	ACG

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

B-228-6 L954448-08 Solid

Collected by	Collected date/time	Received date/time
Karsten Springstead	11/29/17 08:40	12/01/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1049600	1	12/05/17 13:13	12/05/17 13:36	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1048646	1	11/29/17 08:40	12/02/17 15:18	ACG
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1048646	1	11/29/17 08:40	12/05/17 14:24	ACG

B-228-11 L954448-09 Solid

Collected by	Collected date/time	Received date/time
Karsten Springstead	11/29/17 08:50	12/01/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1049600	1	12/05/17 13:13	12/05/17 13:36	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1048646	1	11/29/17 08:50	12/02/17 15:38	ACG
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1048646	1	11/29/17 08:50	12/05/17 14:45	ACG

B-228-16 L954448-10 Solid

Collected by	Collected date/time	Received date/time
Karsten Springstead	11/29/17 09:00	12/01/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1049600	1	12/05/17 13:13	12/05/17 13:36	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1048646	1	11/29/17 09:00	12/02/17 15:58	ACG
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1048646	100	11/29/17 09:00	12/05/17 20:25	ACG
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1048646	2000	11/29/17 09:00	12/06/17 16:17	BMB

B-228-21 L954448-11 Solid

Collected by	Collected date/time	Received date/time
Karsten Springstead	11/29/17 09:20	12/01/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1049601	1	12/05/17 13:40	12/05/17 14:02	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1048646	1	11/29/17 09:20	12/02/17 16:18	ACG
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1048646	100	11/29/17 09:20	12/05/17 20:46	ACG

B-921-22 L954448-12 Solid

Collected by	Collected date/time	Received date/time
Karsten Springstead	11/29/17 07:30	12/01/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1049601	1	12/05/17 13:40	12/05/17 14:02	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1048646	1	11/29/17 07:30	12/02/17 16:38	ACG
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1048646	200	11/29/17 07:30	12/05/17 21:49	ACG

B-228-26 L954448-13 Solid

Collected by	Collected date/time	Received date/time
Karsten Springstead	11/29/17 09:30	12/01/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1049601	1	12/05/17 13:40	12/05/17 14:02	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1048646	1	11/29/17 09:30	12/02/17 16:58	ACG
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1048646	100	11/29/17 09:30	12/05/17 21:07	ACG

B-228-31 L954448-14 Solid

Collected by	Collected date/time	Received date/time
Karsten Springstead	11/29/17 09:40	12/01/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1049601	1	12/05/17 13:40	12/05/17 14:02	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1048646	1	11/29/17 09:40	12/02/17 17:18	ACG
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1048646	25	11/29/17 09:40	12/05/17 17:14	ACG

B-228-36 L954448-15 Solid

Collected by	Collected date/time	Received date/time
Karsten Springstead	11/29/17 10:00	12/01/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1049601	1	12/05/17 13:40	12/05/17 14:02	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1048646	1	11/29/17 10:00	12/02/17 18:10	ACG

B-229-6 L954448-16 Solid

Collected by	Collected date/time	Received date/time
Karsten Springstead	11/29/17 12:35	12/01/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1049601	1	12/05/17 13:40	12/05/17 14:02	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1048646	1	11/29/17 12:35	12/02/17 18:30	ACG
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1048646	25	11/29/17 12:35	12/05/17 17:37	ACG

B-229-11 L954448-17 Solid

Collected by	Collected date/time	Received date/time
Karsten Springstead	11/29/17 12:45	12/01/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1049601	1	12/05/17 13:40	12/05/17 14:02	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1048646	1	11/29/17 12:45	12/02/17 18:50	ACG

B-229-16 L954448-18 Solid

Collected by	Collected date/time	Received date/time
Karsten Springstead	11/29/17 12:55	12/01/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1049601	1	12/05/17 13:40	12/05/17 14:02	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1048646	1	11/29/17 12:55	12/05/17 15:06	ACG

B-229-25 L954448-19 Solid

Collected by	Collected date/time	Received date/time
Karsten Springstead	11/29/17 13:20	12/01/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1049601	1	12/05/17 13:40	12/05/17 14:02	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1048646	1	11/29/17 13:20	12/02/17 19:30	ACG
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1048646	50	11/29/17 13:20	12/05/17 19:22	ACG

B-229-31 L954448-20 Solid

Collected by	Collected date/time	Received date/time
Karsten Springstead	11/29/17 13:35	12/01/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1049601	1	12/05/17 13:40	12/05/17 14:02	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1048646	1	11/29/17 13:35	12/02/17 19:50	ACG
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1048646	100	11/29/17 13:35	12/05/17 21:28	ACG
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1048646	500	11/29/17 13:35	12/06/17 15:58	BMB

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

Collected by	Collected date/time	Received date/time
Karsten Springstead	11/29/17 13:45	12/01/17 08:45

B-229-36 L954448-21 Solid

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1050018	1	12/06/17 10:22	12/06/17 10:32	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1048801	1	11/29/17 13:45	12/02/17 17:32	JHH
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1048801	200	11/29/17 13:45	12/05/17 20:35	BMB

Collected by	Collected date/time	Received date/time
Karsten Springstead	11/29/17 13:55	12/01/17 08:45

B-229-41 L954448-22 Solid

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1050018	1	12/06/17 10:22	12/06/17 10:32	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1048801	1	11/29/17 13:55	12/02/17 17:52	JHH
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1048801	2500	11/29/17 13:55	12/06/17 15:18	BMB
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1048801	500	11/29/17 13:55	12/05/17 20:55	BMB

Collected by	Collected date/time	Received date/time
Karsten Springstead	11/29/17 14:45	12/01/17 08:45

B-229-45 L954448-23 Solid

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1050150	1	12/06/17 13:01	12/06/17 13:20	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1048801	1	11/29/17 14:45	12/02/17 18:11	JHH
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1048801	1000	11/29/17 14:45	12/05/17 21:14	BMB

Collected by	Collected date/time	Received date/time
Karsten Springstead	11/29/17 00:00	12/01/17 08:45

TRIP BLANK-112917 L954448-24 GW

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1048623	1	12/02/17 14:49	12/02/17 14:49	JBE

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. All MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All radiochemical sample results for solids are reported on a dry weight basis with the exception of tritium, carbon-14 and radon, unless wet weight was requested by the client. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Brian Ford

Brian Ford
Technical Service Representative

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	87.6		1	12/05/2017 13:36	WG1049600

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0114	0.0571	1	12/02/2017 01:04	WG1048646
Acrylonitrile	U		0.00204	0.0114	1	12/02/2017 01:04	WG1048646
Benzene	U		0.000308	0.00114	1	12/02/2017 01:04	WG1048646
Bromobenzene	U		0.000324	0.00114	1	12/02/2017 01:04	WG1048646
Bromodichloromethane	U		0.000290	0.00114	1	12/02/2017 01:04	WG1048646
Bromochloromethane	U		0.000445	0.00571	1	12/02/2017 01:04	WG1048646
Bromoform	U		0.000484	0.00114	1	12/02/2017 01:04	WG1048646
Bromomethane	U		0.00153	0.00571	1	12/02/2017 01:04	WG1048646
n-Butylbenzene	U		0.000295	0.00114	1	12/02/2017 01:04	WG1048646
sec-Butylbenzene	U		0.000229	0.00114	1	12/02/2017 01:04	WG1048646
tert-Butylbenzene	U		0.000235	0.00114	1	12/02/2017 01:04	WG1048646
Carbon disulfide	U	J0	0.000252	0.00114	1	12/02/2017 01:04	WG1048646
Carbon tetrachloride	U		0.000374	0.00114	1	12/02/2017 01:04	WG1048646
Chlorobenzene	U		0.000242	0.00114	1	12/02/2017 01:04	WG1048646
Chlorodibromomethane	U		0.000426	0.00114	1	12/02/2017 01:04	WG1048646
Chloroethane	U	J0	0.00108	0.00571	1	12/02/2017 01:04	WG1048646
Chloroform	U		0.000261	0.00571	1	12/02/2017 01:04	WG1048646
Chloromethane	U	J0	0.000428	0.00285	1	12/02/2017 01:04	WG1048646
2-Chlorotoluene	U		0.000344	0.00114	1	12/02/2017 01:04	WG1048646
4-Chlorotoluene	U		0.000274	0.00114	1	12/02/2017 01:04	WG1048646
1,2-Dibromo-3-Chloropropane	U		0.00120	0.00571	1	12/02/2017 01:04	WG1048646
1,2-Dibromoethane	U	J4	0.000392	0.00114	1	12/02/2017 01:04	WG1048646
Dibromomethane	U		0.000436	0.00114	1	12/02/2017 01:04	WG1048646
1,2-Dichlorobenzene	U		0.000348	0.00114	1	12/02/2017 01:04	WG1048646
1,3-Dichlorobenzene	U		0.000273	0.00114	1	12/02/2017 01:04	WG1048646
1,4-Dichlorobenzene	U		0.000258	0.00114	1	12/02/2017 01:04	WG1048646
Dichlorodifluoromethane	U		0.000814	0.00571	1	12/02/2017 01:04	WG1048646
1,1-Dichloroethane	U		0.000227	0.00114	1	12/02/2017 01:04	WG1048646
1,2-Dichloroethane	U		0.000303	0.00114	1	12/02/2017 01:04	WG1048646
1,1-Dichloroethene	U		0.000346	0.00114	1	12/02/2017 01:04	WG1048646
cis-1,2-Dichloroethene	0.000455	J	0.000268	0.00114	1	12/02/2017 01:04	WG1048646
trans-1,2-Dichloroethene	U		0.000301	0.00114	1	12/02/2017 01:04	WG1048646
1,2-Dichloropropane	U		0.000409	0.00114	1	12/02/2017 01:04	WG1048646
1,1-Dichloropropene	U		0.000362	0.00114	1	12/02/2017 01:04	WG1048646
1,3-Dichloropropane	U		0.000236	0.00114	1	12/02/2017 01:04	WG1048646
cis-1,3-Dichloropropene	U		0.000299	0.00114	1	12/02/2017 01:04	WG1048646
trans-1,3-Dichloropropene	U		0.000305	0.00114	1	12/02/2017 01:04	WG1048646
trans-1,4-Dichloro-2-butene	U		0.000888	0.00285	1	12/02/2017 01:04	WG1048646
2,2-Dichloropropane	U		0.000319	0.00114	1	12/02/2017 01:04	WG1048646
Di-isopropyl ether	U		0.000283	0.00114	1	12/02/2017 01:04	WG1048646
Ethylbenzene	U		0.000339	0.00114	1	12/02/2017 01:04	WG1048646
Hexachloro-1,3-butadiene	U		0.000390	0.00114	1	12/02/2017 01:04	WG1048646
2-Hexanone	U		0.00156	0.0114	1	12/02/2017 01:04	WG1048646
n-Hexane	U	J0	0.000331	0.0114	1	12/02/2017 01:04	WG1048646
Iodomethane	U		0.00289	0.0114	1	12/02/2017 01:04	WG1048646
Isopropylbenzene	U		0.000277	0.00114	1	12/02/2017 01:04	WG1048646
p-Isopropyltoluene	U		0.000233	0.00114	1	12/02/2017 01:04	WG1048646
2-Butanone (MEK)	U		0.00534	0.0114	1	12/02/2017 01:04	WG1048646
Methylene Chloride	U		0.00114	0.00571	1	12/02/2017 01:04	WG1048646
4-Methyl-2-pentanone (MIBK)	U		0.00215	0.0114	1	12/02/2017 01:04	WG1048646

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000242	0.00114	1	12/02/2017 01:04	WG1048646
Naphthalene	U		0.00114	0.00571	1	12/02/2017 01:04	WG1048646
n-Propylbenzene	U	J0	0.000235	0.00114	1	12/02/2017 01:04	WG1048646
Styrene	U		0.000267	0.00114	1	12/02/2017 01:04	WG1048646
1,1,1,2-Tetrachloroethane	U		0.000301	0.00114	1	12/02/2017 01:04	WG1048646
1,1,2,2-Tetrachloroethane	U		0.000417	0.00114	1	12/02/2017 01:04	WG1048646
1,1,2-Trichlorotrifluoroethane	U		0.000417	0.00114	1	12/02/2017 01:04	WG1048646
Tetrachloroethene	0.0154		0.000315	0.00114	1	12/02/2017 01:04	WG1048646
Toluene	U		0.000496	0.00571	1	12/02/2017 01:04	WG1048646
1,2,3-Trichlorobenzene	U		0.000349	0.00114	1	12/02/2017 01:04	WG1048646
1,2,4-Trichlorobenzene	U		0.000443	0.00114	1	12/02/2017 01:04	WG1048646
1,1,1-Trichloroethane	U		0.000327	0.00114	1	12/02/2017 01:04	WG1048646
1,1,2-Trichloroethane	U		0.000316	0.00114	1	12/02/2017 01:04	WG1048646
Trichloroethene	0.000798	J	0.000319	0.00114	1	12/02/2017 01:04	WG1048646
Trichlorofluoromethane	U		0.000436	0.00571	1	12/02/2017 01:04	WG1048646
1,2,3-Trichloropropane	U		0.000846	0.00285	1	12/02/2017 01:04	WG1048646
1,2,4-Trimethylbenzene	U		0.000241	0.00114	1	12/02/2017 01:04	WG1048646
1,2,3-Trimethylbenzene	U		0.000328	0.00114	1	12/02/2017 01:04	WG1048646
1,3,5-Trimethylbenzene	U		0.000304	0.00114	1	12/02/2017 01:04	WG1048646
Vinyl acetate	U		0.00273	0.0114	1	12/02/2017 01:04	WG1048646
Vinyl chloride	U		0.000332	0.00114	1	12/02/2017 01:04	WG1048646
Xylenes, Total	U		0.000797	0.00343	1	12/02/2017 01:04	WG1048646
(S) Toluene-d8	*101*			*80.0-120*		*12/02/2017 01:04*	WG1048646
(S) Dibromofluoromethane	*101*			*74.0-131*		*12/02/2017 01:04*	WG1048646
(S) 4-Bromofluorobenzene	*90.4*			*64.0-132*		*12/02/2017 01:04*	WG1048646

B-227-11

Collected date/time: 11/28/17 13:20

SAMPLE RESULTS - 02

L954448

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

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	92.8		1	12/05/2017 13:36	WG1049600

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0108	0.0539	1	12/02/2017 10:04	WG1048646
Acrylonitrile	U		0.00193	0.0108	1	12/02/2017 10:04	WG1048646
Benzene	U		0.000291	0.00108	1	12/02/2017 10:04	WG1048646
Bromobenzene	U		0.000306	0.00108	1	12/02/2017 10:04	WG1048646
Bromodichloromethane	U		0.000274	0.00108	1	12/02/2017 10:04	WG1048646
Bromochloromethane	U		0.000420	0.00539	1	12/02/2017 10:04	WG1048646
Bromoform	U		0.000457	0.00108	1	12/02/2017 10:04	WG1048646
Bromomethane	U		0.00144	0.00539	1	12/02/2017 10:04	WG1048646
n-Butylbenzene	U		0.000278	0.00108	1	12/02/2017 10:04	WG1048646
sec-Butylbenzene	U		0.000217	0.00108	1	12/02/2017 10:04	WG1048646
tert-Butylbenzene	U		0.000222	0.00108	1	12/02/2017 10:04	WG1048646
Carbon disulfide	0.000628	J J0	0.000238	0.00108	1	12/02/2017 10:04	WG1048646
Carbon tetrachloride	U		0.000354	0.00108	1	12/02/2017 10:04	WG1048646
Chlorobenzene	U		0.000228	0.00108	1	12/02/2017 10:04	WG1048646
Chlorodibromomethane	U		0.000402	0.00108	1	12/02/2017 10:04	WG1048646
Chloroethane	U	J0	0.00102	0.00539	1	12/02/2017 10:04	WG1048646
Chloroform	U		0.000247	0.00539	1	12/02/2017 10:04	WG1048646
Chloromethane	U	J0	0.000404	0.00269	1	12/02/2017 10:04	WG1048646
2-Chlorotoluene	U		0.000324	0.00108	1	12/02/2017 10:04	WG1048646
4-Chlorotoluene	U		0.000259	0.00108	1	12/02/2017 10:04	WG1048646
1,2-Dibromo-3-Chloropropane	U		0.00113	0.00539	1	12/02/2017 10:04	WG1048646
1,2-Dibromoethane	U	J4	0.000370	0.00108	1	12/02/2017 10:04	WG1048646
Dibromomethane	U		0.000412	0.00108	1	12/02/2017 10:04	WG1048646
1,2-Dichlorobenzene	U		0.000329	0.00108	1	12/02/2017 10:04	WG1048646
1,3-Dichlorobenzene	U		0.000258	0.00108	1	12/02/2017 10:04	WG1048646
1,4-Dichlorobenzene	U		0.000244	0.00108	1	12/02/2017 10:04	WG1048646
Dichlorodifluoromethane	U		0.000768	0.00539	1	12/02/2017 10:04	WG1048646
1,1-Dichloroethane	U		0.000214	0.00108	1	12/02/2017 10:04	WG1048646
1,2-Dichloroethane	U		0.000286	0.00108	1	12/02/2017 10:04	WG1048646
1,1-Dichloroethene	U		0.000327	0.00108	1	12/02/2017 10:04	WG1048646
cis-1,2-Dichloroethene	0.0438		0.000253	0.00108	1	12/02/2017 10:04	WG1048646
trans-1,2-Dichloroethene	0.00143		0.000285	0.00108	1	12/02/2017 10:04	WG1048646
1,2-Dichloropropane	U		0.000386	0.00108	1	12/02/2017 10:04	WG1048646
1,1-Dichloropropene	U		0.000342	0.00108	1	12/02/2017 10:04	WG1048646
1,3-Dichloropropane	U		0.000223	0.00108	1	12/02/2017 10:04	WG1048646
cis-1,3-Dichloropropene	U		0.000282	0.00108	1	12/02/2017 10:04	WG1048646
trans-1,3-Dichloropropene	U		0.000288	0.00108	1	12/02/2017 10:04	WG1048646
trans-1,4-Dichloro-2-butene	U		0.000839	0.00269	1	12/02/2017 10:04	WG1048646
2,2-Dichloropropane	U		0.000301	0.00108	1	12/02/2017 10:04	WG1048646
Di-isopropyl ether	U		0.000267	0.00108	1	12/02/2017 10:04	WG1048646
Ethylbenzene	U		0.000320	0.00108	1	12/02/2017 10:04	WG1048646
Hexachloro-1,3-butadiene	U		0.000369	0.00108	1	12/02/2017 10:04	WG1048646
2-Hexanone	U	J3	0.00148	0.0108	1	12/02/2017 10:04	WG1048646
n-Hexane	U	J0	0.000313	0.0108	1	12/02/2017 10:04	WG1048646
Iodomethane	U		0.00273	0.0108	1	12/02/2017 10:04	WG1048646
Isopropylbenzene	U		0.000262	0.00108	1	12/02/2017 10:04	WG1048646
p-Isopropyltoluene	U		0.000220	0.00108	1	12/02/2017 10:04	WG1048646
2-Butanone (MEK)	U		0.00504	0.0108	1	12/02/2017 10:04	WG1048646
Methylene Chloride	U		0.00108	0.00539	1	12/02/2017 10:04	WG1048646
4-Methyl-2-pentanone (MIBK)	U		0.00203	0.0108	1	12/02/2017 10:04	WG1048646

B-227-11 SAMPLE RESULTS - 02

Collected date/time: 11/28/17 13:20

L954448

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000228	0.00108	1	12/02/2017 10:04	WG1048646
Naphthalene	U		0.00108	0.00539	1	12/02/2017 10:04	WG1048646
n-Propylbenzene	U	J0	0.000222	0.00108	1	12/02/2017 10:04	WG1048646
Styrene	U		0.000252	0.00108	1	12/02/2017 10:04	WG1048646
1,1,1,2-Tetrachloroethane	U		0.000285	0.00108	1	12/02/2017 10:04	WG1048646
1,1,2,2-Tetrachloroethane	U		0.000393	0.00108	1	12/02/2017 10:04	WG1048646
1,1,2-Trichlorotrifluoroethane	U		0.000393	0.00108	1	12/02/2017 10:04	WG1048646
Tetrachloroethene	0.141		0.000297	0.00108	1	12/02/2017 10:04	WG1048646
Toluene	U		0.000468	0.00539	1	12/02/2017 10:04	WG1048646
1,2,3-Trichlorobenzene	U		0.000330	0.00108	1	12/02/2017 10:04	WG1048646
1,2,4-Trichlorobenzene	U		0.000418	0.00108	1	12/02/2017 10:04	WG1048646
1,1,1-Trichloroethane	U		0.000308	0.00108	1	12/02/2017 10:04	WG1048646
1,1,2-Trichloroethane	U		0.000299	0.00108	1	12/02/2017 10:04	WG1048646
Trichloroethene	0.0406		0.000301	0.00108	1	12/02/2017 10:04	WG1048646
Trichlorofluoromethane	U		0.000412	0.00539	1	12/02/2017 10:04	WG1048646
1,2,3-Trichloropropane	U		0.000799	0.00269	1	12/02/2017 10:04	WG1048646
1,2,4-Trimethylbenzene	U		0.000227	0.00108	1	12/02/2017 10:04	WG1048646
1,2,3-Trimethylbenzene	U		0.000309	0.00108	1	12/02/2017 10:04	WG1048646
1,3,5-Trimethylbenzene	U		0.000287	0.00108	1	12/02/2017 10:04	WG1048646
Vinyl acetate	U		0.00258	0.0108	1	12/02/2017 10:04	WG1048646
Vinyl chloride	U		0.000314	0.00108	1	12/02/2017 10:04	WG1048646
Xylenes, Total	U		0.000752	0.00323	1	12/02/2017 10:04	WG1048646
(S) Toluene-d8	*88.0*			*80.0-120*		*12/02/2017 10:04*	WG1048646
(S) Dibromofluoromethane	*126*			*74.0-131*		*12/02/2017 10:04*	WG1048646
(S) 4-Bromofluorobenzene	*92.9*			*64.0-132*		*12/02/2017 10:04*	WG1048646

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	87.3		1	12/05/2017 13:36	WG1049600

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0115	0.0573	1	12/02/2017 10:24	WG1048646
Acrylonitrile	U		0.00205	0.0115	1	12/02/2017 10:24	WG1048646
Benzene	U		0.000309	0.00115	1	12/02/2017 10:24	WG1048646
Bromobenzene	U		0.000325	0.00115	1	12/02/2017 10:24	WG1048646
Bromodichloromethane	U		0.000291	0.00115	1	12/02/2017 10:24	WG1048646
Bromochloromethane	U		0.000447	0.00573	1	12/02/2017 10:24	WG1048646
Bromoform	U		0.000486	0.00115	1	12/02/2017 10:24	WG1048646
Bromomethane	U		0.00154	0.00573	1	12/02/2017 10:24	WG1048646
n-Butylbenzene	U		0.000296	0.00115	1	12/02/2017 10:24	WG1048646
sec-Butylbenzene	U		0.000230	0.00115	1	12/02/2017 10:24	WG1048646
tert-Butylbenzene	U		0.000236	0.00115	1	12/02/2017 10:24	WG1048646
Carbon disulfide	U	J0	0.000253	0.00115	1	12/02/2017 10:24	WG1048646
Carbon tetrachloride	U		0.000376	0.00115	1	12/02/2017 10:24	WG1048646
Chlorobenzene	U		0.000243	0.00115	1	12/02/2017 10:24	WG1048646
Chlorodibromomethane	U		0.000427	0.00115	1	12/02/2017 10:24	WG1048646
Chloroethane	U	J0	0.00108	0.00573	1	12/02/2017 10:24	WG1048646
Chloroform	U		0.000262	0.00573	1	12/02/2017 10:24	WG1048646
Chloromethane	U	J0	0.000430	0.00287	1	12/02/2017 10:24	WG1048646
2-Chlorotoluene	U		0.000345	0.00115	1	12/02/2017 10:24	WG1048646
4-Chlorotoluene	U		0.000275	0.00115	1	12/02/2017 10:24	WG1048646
1,2-Dibromo-3-Chloropropane	U		0.00120	0.00573	1	12/02/2017 10:24	WG1048646
1,2-Dibromoethane	U	J4	0.000393	0.00115	1	12/02/2017 10:24	WG1048646
Dibromomethane	U		0.000438	0.00115	1	12/02/2017 10:24	WG1048646
1,2-Dichlorobenzene	U		0.000350	0.00115	1	12/02/2017 10:24	WG1048646
1,3-Dichlorobenzene	U		0.000274	0.00115	1	12/02/2017 10:24	WG1048646
1,4-Dichlorobenzene	U		0.000259	0.00115	1	12/02/2017 10:24	WG1048646
Dichlorodifluoromethane	U		0.000817	0.00573	1	12/02/2017 10:24	WG1048646
1,1-Dichloroethane	U		0.000228	0.00115	1	12/02/2017 10:24	WG1048646
1,2-Dichloroethane	U		0.000304	0.00115	1	12/02/2017 10:24	WG1048646
1,1-Dichloroethene	0.000711	J	0.000347	0.00115	1	12/02/2017 10:24	WG1048646
cis-1,2-Dichloroethene	0.429		0.00674	0.0287	25	12/05/2017 16:31	WG1048646
trans-1,2-Dichloroethene	0.00203		0.000303	0.00115	1	12/02/2017 10:24	WG1048646
1,2-Dichloropropane	U		0.000410	0.00115	1	12/02/2017 10:24	WG1048646
1,1-Dichloropropene	U		0.000363	0.00115	1	12/02/2017 10:24	WG1048646
1,3-Dichloropropane	U		0.000237	0.00115	1	12/02/2017 10:24	WG1048646
cis-1,3-Dichloropropene	U		0.000300	0.00115	1	12/02/2017 10:24	WG1048646
trans-1,3-Dichloropropene	U		0.000306	0.00115	1	12/02/2017 10:24	WG1048646
trans-1,4-Dichloro-2-butene	U		0.000892	0.00287	1	12/02/2017 10:24	WG1048646
2,2-Dichloropropane	U		0.000320	0.00115	1	12/02/2017 10:24	WG1048646
Di-isopropyl ether	U		0.000284	0.00115	1	12/02/2017 10:24	WG1048646
Ethylbenzene	U		0.000340	0.00115	1	12/02/2017 10:24	WG1048646
Hexachloro-1,3-butadiene	U		0.000392	0.00115	1	12/02/2017 10:24	WG1048646
2-Hexanone	U	J3	0.00157	0.0115	1	12/02/2017 10:24	WG1048646
n-Hexane	U	J0	0.000332	0.0115	1	12/02/2017 10:24	WG1048646
Iodomethane	U		0.00290	0.0115	1	12/02/2017 10:24	WG1048646
Isopropylbenzene	U		0.000278	0.00115	1	12/02/2017 10:24	WG1048646
p-Isopropyltoluene	U		0.000234	0.00115	1	12/02/2017 10:24	WG1048646
2-Butanone (MEK)	U		0.00536	0.0115	1	12/02/2017 10:24	WG1048646
Methylene Chloride	U		0.00115	0.00573	1	12/02/2017 10:24	WG1048646
4-Methyl-2-pentanone (MIBK)	U		0.00215	0.0115	1	12/02/2017 10:24	WG1048646

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

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000243	0.00115	1	12/02/2017 10:24	WG1048646
Naphthalene	U		0.00115	0.00573	1	12/02/2017 10:24	WG1048646
n-Propylbenzene	U	J0	0.000236	0.00115	1	12/02/2017 10:24	WG1048646
Styrene	U		0.000268	0.00115	1	12/02/2017 10:24	WG1048646
1,1,1,2-Tetrachloroethane	U		0.000303	0.00115	1	12/02/2017 10:24	WG1048646
1,1,2,2-Tetrachloroethane	U		0.000418	0.00115	1	12/02/2017 10:24	WG1048646
1,1,2-Trichlorotrifluoroethane	U		0.000418	0.00115	1	12/02/2017 10:24	WG1048646
Tetrachloroethene	2.47		0.00791	0.0287	25	12/05/2017 16:31	WG1048646
Toluene	U		0.000497	0.00573	1	12/02/2017 10:24	WG1048646
1,2,3-Trichlorobenzene	U		0.000351	0.00115	1	12/02/2017 10:24	WG1048646
1,2,4-Trichlorobenzene	U		0.000445	0.00115	1	12/02/2017 10:24	WG1048646
1,1,1-Trichloroethane	U		0.000328	0.00115	1	12/02/2017 10:24	WG1048646
1,1,2-Trichloroethane	U		0.000317	0.00115	1	12/02/2017 10:24	WG1048646
Trichloroethene	0.0804		0.000320	0.00115	1	12/02/2017 10:24	WG1048646
Trichlorofluoromethane	U		0.000438	0.00573	1	12/02/2017 10:24	WG1048646
1,2,3-Trichloropropane	U		0.000849	0.00287	1	12/02/2017 10:24	WG1048646
1,2,4-Trimethylbenzene	U		0.000242	0.00115	1	12/02/2017 10:24	WG1048646
1,2,3-Trimethylbenzene	U		0.000329	0.00115	1	12/02/2017 10:24	WG1048646
1,3,5-Trimethylbenzene	U		0.000305	0.00115	1	12/02/2017 10:24	WG1048646
Vinyl acetate	U		0.00274	0.0115	1	12/02/2017 10:24	WG1048646
Vinyl chloride	0.00781		0.000333	0.00115	1	12/02/2017 10:24	WG1048646
Xylenes, Total	U		0.000800	0.00344	1	12/02/2017 10:24	WG1048646
(S) Toluene-d8	*99.3*			*80.0-120*		*12/02/2017 10:24*	WG1048646
(S) Toluene-d8	*101*			*80.0-120*		*12/05/2017 16:31*	WG1048646
(S) Dibromofluoromethane	*95.3*			*74.0-131*		*12/05/2017 16:31*	WG1048646
(S) Dibromofluoromethane	*103*			*74.0-131*		*12/02/2017 10:24*	WG1048646
(S) 4-Bromofluorobenzene	*99.3*			*64.0-132*		*12/05/2017 16:31*	WG1048646
(S) 4-Bromofluorobenzene	*90.8*			*64.0-132*		*12/02/2017 10:24*	WG1048646

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	86.1		1	12/05/2017 13:36	WG1049600

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0116	0.0580	1	12/02/2017 10:44	WG1048646
Acrylonitrile	U		0.00208	0.0116	1	12/02/2017 10:44	WG1048646
Benzene	U		0.000313	0.00116	1	12/02/2017 10:44	WG1048646
Bromobenzene	U		0.000330	0.00116	1	12/02/2017 10:44	WG1048646
Bromodichloromethane	U		0.000295	0.00116	1	12/02/2017 10:44	WG1048646
Bromochloromethane	U		0.000453	0.00580	1	12/02/2017 10:44	WG1048646
Bromoform	U		0.000492	0.00116	1	12/02/2017 10:44	WG1048646
Bromomethane	U		0.00156	0.00580	1	12/02/2017 10:44	WG1048646
n-Butylbenzene	U		0.000299	0.00116	1	12/02/2017 10:44	WG1048646
sec-Butylbenzene	U		0.000233	0.00116	1	12/02/2017 10:44	WG1048646
tert-Butylbenzene	U		0.000239	0.00116	1	12/02/2017 10:44	WG1048646
Carbon disulfide	U	J0	0.000257	0.00116	1	12/02/2017 10:44	WG1048646
Carbon tetrachloride	U		0.000381	0.00116	1	12/02/2017 10:44	WG1048646
Chlorobenzene	U		0.000246	0.00116	1	12/02/2017 10:44	WG1048646
Chlorodibromomethane	U		0.000433	0.00116	1	12/02/2017 10:44	WG1048646
Chloroethane	U	J0	0.00110	0.00580	1	12/02/2017 10:44	WG1048646
Chloroform	0.000652	J	0.000266	0.00580	1	12/02/2017 10:44	WG1048646
Chloromethane	U	J0	0.000435	0.00290	1	12/02/2017 10:44	WG1048646
2-Chlorotoluene	U		0.000349	0.00116	1	12/02/2017 10:44	WG1048646
4-Chlorotoluene	U		0.000279	0.00116	1	12/02/2017 10:44	WG1048646
1,2-Dibromo-3-Chloropropane	U		0.00122	0.00580	1	12/02/2017 10:44	WG1048646
1,2-Dibromoethane	U	J4	0.000398	0.00116	1	12/02/2017 10:44	WG1048646
Dibromomethane	U		0.000443	0.00116	1	12/02/2017 10:44	WG1048646
1,2-Dichlorobenzene	U		0.000354	0.00116	1	12/02/2017 10:44	WG1048646
1,3-Dichlorobenzene	U		0.000277	0.00116	1	12/02/2017 10:44	WG1048646
1,4-Dichlorobenzene	U		0.000262	0.00116	1	12/02/2017 10:44	WG1048646
Dichlorodifluoromethane	U		0.000828	0.00580	1	12/02/2017 10:44	WG1048646
1,1-Dichloroethane	U		0.000231	0.00116	1	12/02/2017 10:44	WG1048646
1,2-Dichloroethane	U		0.000308	0.00116	1	12/02/2017 10:44	WG1048646
1,1-Dichloroethene	0.00156		0.000352	0.00116	1	12/02/2017 10:44	WG1048646
cis-1,2-Dichloroethene	0.393		0.0325	0.138	119	12/05/2017 19:43	WG1048646
trans-1,2-Dichloroethene	0.00290		0.000306	0.00116	1	12/02/2017 10:44	WG1048646
1,2-Dichloropropane	U		0.000416	0.00116	1	12/02/2017 10:44	WG1048646
1,1-Dichloropropene	U		0.000368	0.00116	1	12/02/2017 10:44	WG1048646
1,3-Dichloropropane	U		0.000240	0.00116	1	12/02/2017 10:44	WG1048646
cis-1,3-Dichloropropene	U		0.000304	0.00116	1	12/02/2017 10:44	WG1048646
trans-1,3-Dichloropropene	U		0.000310	0.00116	1	12/02/2017 10:44	WG1048646
trans-1,4-Dichloro-2-butene	U		0.000903	0.00290	1	12/02/2017 10:44	WG1048646
2,2-Dichloropropane	U		0.000324	0.00116	1	12/02/2017 10:44	WG1048646
Di-isopropyl ether	U		0.000288	0.00116	1	12/02/2017 10:44	WG1048646
Ethylbenzene	U		0.000345	0.00116	1	12/02/2017 10:44	WG1048646
Hexachloro-1,3-butadiene	U		0.000397	0.00116	1	12/02/2017 10:44	WG1048646
2-Hexanone	U	J3	0.00159	0.0116	1	12/02/2017 10:44	WG1048646
n-Hexane	U	J0	0.000337	0.0116	1	12/02/2017 10:44	WG1048646
Iodomethane	U		0.00294	0.0116	1	12/02/2017 10:44	WG1048646
Isopropylbenzene	U		0.000282	0.00116	1	12/02/2017 10:44	WG1048646
p-Isopropyltoluene	U		0.000237	0.00116	1	12/02/2017 10:44	WG1048646
2-Butanone (MEK)	U		0.00543	0.0116	1	12/02/2017 10:44	WG1048646
Methylene Chloride	U		0.00116	0.00580	1	12/02/2017 10:44	WG1048646
4-Methyl-2-pentanone (MIBK)	U		0.00218	0.0116	1	12/02/2017 10:44	WG1048646

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000246	0.00116	1	12/02/2017 10:44	WG1048646
Naphthalene	U		0.00116	0.00580	1	12/02/2017 10:44	WG1048646
n-Propylbenzene	U	J0	0.000239	0.00116	1	12/02/2017 10:44	WG1048646
Styrene	U		0.000272	0.00116	1	12/02/2017 10:44	WG1048646
1,1,1,2-Tetrachloroethane	U		0.000306	0.00116	1	12/02/2017 10:44	WG1048646
1,1,2,2-Tetrachloroethane	U		0.000424	0.00116	1	12/02/2017 10:44	WG1048646
1,1,2-Trichlorotrifluoroethane	U		0.000424	0.00116	1	12/02/2017 10:44	WG1048646
Tetrachloroethene	7.18		0.0381	0.138	119	12/05/2017 19:43	WG1048646
Toluene	U		0.000504	0.00580	1	12/02/2017 10:44	WG1048646
1,2,3-Trichlorobenzene	U		0.000355	0.00116	1	12/02/2017 10:44	WG1048646
1,2,4-Trichlorobenzene	U		0.000450	0.00116	1	12/02/2017 10:44	WG1048646
1,1,1-Trichloroethane	U		0.000332	0.00116	1	12/02/2017 10:44	WG1048646
1,1,2-Trichloroethane	U		0.000322	0.00116	1	12/02/2017 10:44	WG1048646
Trichloroethene	0.311		0.0385	0.138	119	12/05/2017 19:43	WG1048646
Trichlorofluoromethane	U		0.000443	0.00580	1	12/02/2017 10:44	WG1048646
1,2,3-Trichloropropane	U		0.000860	0.00290	1	12/02/2017 10:44	WG1048646
1,2,4-Trimethylbenzene	U		0.000245	0.00116	1	12/02/2017 10:44	WG1048646
1,2,3-Trimethylbenzene	U		0.000333	0.00116	1	12/02/2017 10:44	WG1048646
1,3,5-Trimethylbenzene	U		0.000309	0.00116	1	12/02/2017 10:44	WG1048646
Vinyl acetate	U		0.00277	0.0116	1	12/02/2017 10:44	WG1048646
Vinyl chloride	0.0186		0.000338	0.00116	1	12/02/2017 10:44	WG1048646
Xylenes, Total	U		0.000810	0.00348	1	12/02/2017 10:44	WG1048646
(S) Toluene-d8	*99.9*			*80.0-120*		*12/02/2017 10:44*	WG1048646
(S) Toluene-d8	*99.7*			*80.0-120*		*12/05/2017 19:43*	WG1048646
(S) Dibromofluoromethane	*100*			*74.0-131*		*12/02/2017 10:44*	WG1048646
(S) Dibromofluoromethane	*98.3*			*74.0-131*		*12/05/2017 19:43*	WG1048646
(S) 4-Bromofluorobenzene	*89.6*			*64.0-132*		*12/02/2017 10:44*	WG1048646
(S) 4-Bromofluorobenzene	*100*			*64.0-132*		*12/05/2017 19:43*	WG1048646

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

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	85.8		1	12/05/2017 13:36	WG1049600

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0116	0.0582	1	12/02/2017 13:56	WG1048646
Acrylonitrile	U		0.00209	0.0116	1	12/02/2017 13:56	WG1048646
Benzene	U		0.000315	0.00116	1	12/02/2017 13:56	WG1048646
Bromobenzene	U		0.000331	0.00116	1	12/02/2017 13:56	WG1048646
Bromodichloromethane	U		0.000296	0.00116	1	12/02/2017 13:56	WG1048646
Bromochloromethane	U		0.000454	0.00582	1	12/02/2017 13:56	WG1048646
Bromoform	U		0.000494	0.00116	1	12/02/2017 13:56	WG1048646
Bromomethane	U		0.00156	0.00582	1	12/02/2017 13:56	WG1048646
n-Butylbenzene	U		0.000301	0.00116	1	12/02/2017 13:56	WG1048646
sec-Butylbenzene	U		0.000234	0.00116	1	12/02/2017 13:56	WG1048646
tert-Butylbenzene	U		0.000240	0.00116	1	12/02/2017 13:56	WG1048646
Carbon disulfide	U		0.000257	0.00116	1	12/02/2017 13:56	WG1048646
Carbon tetrachloride	U		0.000382	0.00116	1	12/02/2017 13:56	WG1048646
Chlorobenzene	U		0.000247	0.00116	1	12/02/2017 13:56	WG1048646
Chlorodibromomethane	U		0.000435	0.00116	1	12/02/2017 13:56	WG1048646
Chloroethane	U		0.00110	0.00582	1	12/02/2017 13:56	WG1048646
Chloroform	0.000388	J	0.000267	0.00582	1	12/02/2017 13:56	WG1048646
Chloromethane	U		0.000437	0.00291	1	12/02/2017 13:56	WG1048646
2-Chlorotoluene	U		0.000351	0.00116	1	12/02/2017 13:56	WG1048646
4-Chlorotoluene	U		0.000280	0.00116	1	12/02/2017 13:56	WG1048646
1,2-Dibromo-3-Chloropropane	U		0.00122	0.00582	1	12/02/2017 13:56	WG1048646
1,2-Dibromoethane	U	J4	0.000400	0.00116	1	12/02/2017 13:56	WG1048646
Dibromomethane	U		0.000445	0.00116	1	12/02/2017 13:56	WG1048646
1,2-Dichlorobenzene	U		0.000355	0.00116	1	12/02/2017 13:56	WG1048646
1,3-Dichlorobenzene	U		0.000278	0.00116	1	12/02/2017 13:56	WG1048646
1,4-Dichlorobenzene	U		0.000263	0.00116	1	12/02/2017 13:56	WG1048646
Dichlorodifluoromethane	U		0.000831	0.00582	1	12/02/2017 13:56	WG1048646
1,1-Dichloroethane	U		0.000232	0.00116	1	12/02/2017 13:56	WG1048646
1,2-Dichloroethane	U		0.000309	0.00116	1	12/02/2017 13:56	WG1048646
1,1-Dichloroethene	0.000741	J	0.000353	0.00116	1	12/02/2017 13:56	WG1048646
cis-1,2-Dichloroethene	0.351		0.0274	0.116	100	12/05/2017 20:04	WG1048646
trans-1,2-Dichloroethene	0.00186		0.000308	0.00116	1	12/02/2017 13:56	WG1048646
1,2-Dichloropropane	U		0.000417	0.00116	1	12/02/2017 13:56	WG1048646
1,1-Dichloropropene	U		0.000369	0.00116	1	12/02/2017 13:56	WG1048646
1,3-Dichloropropane	U		0.000241	0.00116	1	12/02/2017 13:56	WG1048646
cis-1,3-Dichloropropene	U		0.000305	0.00116	1	12/02/2017 13:56	WG1048646
trans-1,3-Dichloropropene	U		0.000311	0.00116	1	12/02/2017 13:56	WG1048646
trans-1,4-Dichloro-2-butene	U		0.000906	0.00291	1	12/02/2017 13:56	WG1048646
2,2-Dichloropropane	U		0.000325	0.00116	1	12/02/2017 13:56	WG1048646
Di-isopropyl ether	U		0.000289	0.00116	1	12/02/2017 13:56	WG1048646
Ethylbenzene	U		0.000346	0.00116	1	12/02/2017 13:56	WG1048646
Hexachloro-1,3-butadiene	U		0.000398	0.00116	1	12/02/2017 13:56	WG1048646
2-Hexanone	U	J3	0.00160	0.0116	1	12/02/2017 13:56	WG1048646
n-Hexane	U		0.000338	0.0116	1	12/02/2017 13:56	WG1048646
Iodomethane	U		0.00295	0.0116	1	12/02/2017 13:56	WG1048646
Isopropylbenzene	U		0.000283	0.00116	1	12/02/2017 13:56	WG1048646
p-Isopropyltoluene	U		0.000238	0.00116	1	12/02/2017 13:56	WG1048646
2-Butanone (MEK)	U		0.00545	0.0116	1	12/02/2017 13:56	WG1048646
Methylene Chloride	U		0.00116	0.00582	1	12/02/2017 13:56	WG1048646
4-Methyl-2-pentanone (MIBK)	U		0.00219	0.0116	1	12/02/2017 13:56	WG1048646

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000247	0.00116	1	12/02/2017 13:56	WG1048646
Naphthalene	U		0.00116	0.00582	1	12/02/2017 13:56	WG1048646
n-Propylbenzene	U		0.000240	0.00116	1	12/02/2017 13:56	WG1048646
Styrene	U		0.000273	0.00116	1	12/02/2017 13:56	WG1048646
1,1,1,2-Tetrachloroethane	U		0.000308	0.00116	1	12/02/2017 13:56	WG1048646
1,1,2,2-Tetrachloroethane	U		0.000425	0.00116	1	12/02/2017 13:56	WG1048646
1,1,2-Trichlorotrifluoroethane	U		0.000425	0.00116	1	12/02/2017 13:56	WG1048646
Tetrachloroethene	7.86		0.0322	0.116	100	12/05/2017 20:04	WG1048646
Toluene	U		0.000506	0.00582	1	12/02/2017 13:56	WG1048646
1,2,3-Trichlorobenzene	U		0.000356	0.00116	1	12/02/2017 13:56	WG1048646
1,2,4-Trichlorobenzene	U		0.000452	0.00116	1	12/02/2017 13:56	WG1048646
1,1,1-Trichloroethane	U		0.000333	0.00116	1	12/02/2017 13:56	WG1048646
1,1,2-Trichloroethane	U		0.000323	0.00116	1	12/02/2017 13:56	WG1048646
Trichloroethene	0.124		0.000325	0.00116	1	12/02/2017 13:56	WG1048646
Trichlorofluoromethane	U		0.000445	0.00582	1	12/02/2017 13:56	WG1048646
1,2,3-Trichloropropane	U		0.000863	0.00291	1	12/02/2017 13:56	WG1048646
1,2,4-Trimethylbenzene	U		0.000246	0.00116	1	12/02/2017 13:56	WG1048646
1,2,3-Trimethylbenzene	U		0.000334	0.00116	1	12/02/2017 13:56	WG1048646
1,3,5-Trimethylbenzene	U		0.000310	0.00116	1	12/02/2017 13:56	WG1048646
Vinyl acetate	U		0.00278	0.0116	1	12/02/2017 13:56	WG1048646
Vinyl chloride	0.00735		0.000339	0.00116	1	12/02/2017 13:56	WG1048646
Xylenes, Total	U		0.000813	0.00349	1	12/02/2017 13:56	WG1048646
(S) Toluene-d8	*100*			*80.0-120*		*12/02/2017 13:56*	WG1048646
(S) Toluene-d8	*99.1*			*80.0-120*		*12/05/2017 20:04*	WG1048646
(S) Dibromofluoromethane	*98.5*			*74.0-131*		*12/05/2017 20:04*	WG1048646
(S) Dibromofluoromethane	*101*			*74.0-131*		*12/02/2017 13:56*	WG1048646
(S) 4-Bromofluorobenzene	*99.8*			*64.0-132*		*12/05/2017 20:04*	WG1048646
(S) 4-Bromofluorobenzene	*88.8*			*64.0-132*		*12/02/2017 13:56*	WG1048646

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	83.4		1	12/05/2017 13:36	WG1049600

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0120	0.0600	1	12/02/2017 14:37	WG1048646
Acrylonitrile	U		0.00215	0.0120	1	12/02/2017 14:37	WG1048646
Benzene	U		0.000324	0.00120	1	12/02/2017 14:37	WG1048646
Bromobenzene	U		0.000341	0.00120	1	12/02/2017 14:37	WG1048646
Bromodichloromethane	U		0.000305	0.00120	1	12/02/2017 14:37	WG1048646
Bromochloromethane	U		0.000468	0.00600	1	12/02/2017 14:37	WG1048646
Bromoform	U		0.000509	0.00120	1	12/02/2017 14:37	WG1048646
Bromomethane	U		0.00161	0.00600	1	12/02/2017 14:37	WG1048646
n-Butylbenzene	U		0.000310	0.00120	1	12/02/2017 14:37	WG1048646
sec-Butylbenzene	U		0.000241	0.00120	1	12/02/2017 14:37	WG1048646
tert-Butylbenzene	U		0.000247	0.00120	1	12/02/2017 14:37	WG1048646
Carbon disulfide	U		0.000265	0.00120	1	12/02/2017 14:37	WG1048646
Carbon tetrachloride	U		0.000393	0.00120	1	12/02/2017 14:37	WG1048646
Chlorobenzene	U		0.000254	0.00120	1	12/02/2017 14:37	WG1048646
Chlorodibromomethane	U		0.000447	0.00120	1	12/02/2017 14:37	WG1048646
Chloroethane	U		0.00113	0.00600	1	12/02/2017 14:37	WG1048646
Chloroform	U		0.000275	0.00600	1	12/02/2017 14:37	WG1048646
Chloromethane	U		0.000450	0.00300	1	12/02/2017 14:37	WG1048646
2-Chlorotoluene	U		0.000361	0.00120	1	12/02/2017 14:37	WG1048646
4-Chlorotoluene	U		0.000288	0.00120	1	12/02/2017 14:37	WG1048646
1,2-Dibromo-3-Chloropropane	U		0.00126	0.00600	1	12/02/2017 14:37	WG1048646
1,2-Dibromoethane	U	J4	0.000411	0.00120	1	12/02/2017 14:37	WG1048646
Dibromomethane	U		0.000458	0.00120	1	12/02/2017 14:37	WG1048646
1,2-Dichlorobenzene	U		0.000366	0.00120	1	12/02/2017 14:37	WG1048646
1,3-Dichlorobenzene	U		0.000287	0.00120	1	12/02/2017 14:37	WG1048646
1,4-Dichlorobenzene	U		0.000271	0.00120	1	12/02/2017 14:37	WG1048646
Dichlorodifluoromethane	U		0.000855	0.00600	1	12/02/2017 14:37	WG1048646
1,1-Dichloroethane	U		0.000239	0.00120	1	12/02/2017 14:37	WG1048646
1,2-Dichloroethane	U		0.000318	0.00120	1	12/02/2017 14:37	WG1048646
1,1-Dichloroethene	U		0.000363	0.00120	1	12/02/2017 14:37	WG1048646
cis-1,2-Dichloroethene	0.0636		0.000282	0.00120	1	12/02/2017 14:37	WG1048646
trans-1,2-Dichloroethene	0.000628	J	0.000317	0.00120	1	12/02/2017 14:37	WG1048646
1,2-Dichloropropane	U		0.000429	0.00120	1	12/02/2017 14:37	WG1048646
1,1-Dichloropropene	U		0.000380	0.00120	1	12/02/2017 14:37	WG1048646
1,3-Dichloropropane	U		0.000248	0.00120	1	12/02/2017 14:37	WG1048646
cis-1,3-Dichloropropene	U		0.000314	0.00120	1	12/02/2017 14:37	WG1048646
trans-1,3-Dichloropropene	U		0.000320	0.00120	1	12/02/2017 14:37	WG1048646
trans-1,4-Dichloro-2-butene	U		0.000933	0.00300	1	12/02/2017 14:37	WG1048646
2,2-Dichloropropane	U		0.000335	0.00120	1	12/02/2017 14:37	WG1048646
Di-isopropyl ether	U		0.000298	0.00120	1	12/02/2017 14:37	WG1048646
Ethylbenzene	U		0.000356	0.00120	1	12/02/2017 14:37	WG1048646
Hexachloro-1,3-butadiene	U		0.000410	0.00120	1	12/02/2017 14:37	WG1048646
2-Hexanone	U	J3	0.00164	0.0120	1	12/02/2017 14:37	WG1048646
n-Hexane	U		0.000348	0.0120	1	12/02/2017 14:37	WG1048646
Iodomethane	U		0.00304	0.0120	1	12/02/2017 14:37	WG1048646
Isopropylbenzene	U		0.000292	0.00120	1	12/02/2017 14:37	WG1048646
p-Isopropyltoluene	U		0.000245	0.00120	1	12/02/2017 14:37	WG1048646
2-Butanone (MEK)	U		0.00561	0.0120	1	12/02/2017 14:37	WG1048646
Methylene Chloride	U		0.00120	0.00600	1	12/02/2017 14:37	WG1048646
4-Methyl-2-pentanone (MIBK)	U		0.00226	0.0120	1	12/02/2017 14:37	WG1048646

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000254	0.00120	1	12/02/2017 14:37	WG1048646
Naphthalene	U		0.00120	0.00600	1	12/02/2017 14:37	WG1048646
n-Propylbenzene	U		0.000247	0.00120	1	12/02/2017 14:37	WG1048646
Styrene	U		0.000281	0.00120	1	12/02/2017 14:37	WG1048646
1,1,1,2-Tetrachloroethane	U		0.000317	0.00120	1	12/02/2017 14:37	WG1048646
1,1,2,2-Tetrachloroethane	U		0.000438	0.00120	1	12/02/2017 14:37	WG1048646
1,1,2-Trichlorotrifluoroethane	U		0.000438	0.00120	1	12/02/2017 14:37	WG1048646
Tetrachloroethene	8.38		0.0166	0.0600	50	12/05/2017 19:01	WG1048646
Toluene	U		0.000521	0.00600	1	12/02/2017 14:37	WG1048646
1,2,3-Trichlorobenzene	U		0.000367	0.00120	1	12/02/2017 14:37	WG1048646
1,2,4-Trichlorobenzene	U		0.000465	0.00120	1	12/02/2017 14:37	WG1048646
1,1,1-Trichloroethane	U		0.000343	0.00120	1	12/02/2017 14:37	WG1048646
1,1,2-Trichloroethane	U		0.000332	0.00120	1	12/02/2017 14:37	WG1048646
Trichloroethene	0.0396		0.000335	0.00120	1	12/02/2017 14:37	WG1048646
Trichlorofluoromethane	U		0.000458	0.00600	1	12/02/2017 14:37	WG1048646
1,2,3-Trichloropropane	U		0.000889	0.00300	1	12/02/2017 14:37	WG1048646
1,2,4-Trimethylbenzene	U		0.000253	0.00120	1	12/02/2017 14:37	WG1048646
1,2,3-Trimethylbenzene	U		0.000344	0.00120	1	12/02/2017 14:37	WG1048646
1,3,5-Trimethylbenzene	U		0.000319	0.00120	1	12/02/2017 14:37	WG1048646
Vinyl acetate	U		0.00287	0.0120	1	12/02/2017 14:37	WG1048646
Vinyl chloride	0.00446		0.000349	0.00120	1	12/02/2017 14:37	WG1048646
Xylenes, Total	U		0.000837	0.00360	1	12/02/2017 14:37	WG1048646
(S) Toluene-d8	*101*			*80.0-120*		*12/05/2017 19:01*	WG1048646
(S) Toluene-d8	*98.6*			*80.0-120*		*12/02/2017 14:37*	WG1048646
(S) Dibromofluoromethane	*109*			*74.0-131*		*12/02/2017 14:37*	WG1048646
(S) Dibromofluoromethane	*96.6*			*74.0-131*		*12/05/2017 19:01*	WG1048646
(S) 4-Bromofluorobenzene	*98.5*			*64.0-132*		*12/05/2017 19:01*	WG1048646
(S) 4-Bromofluorobenzene	*90.6*			*64.0-132*		*12/02/2017 14:37*	WG1048646

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	87.1		1	12/05/2017 13:36	WG1049600

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0115	0.0574	1	12/02/2017 14:58	WG1048646
Acrylonitrile	U		0.00205	0.0115	1	12/02/2017 14:58	WG1048646
Benzene	U		0.000310	0.00115	1	12/02/2017 14:58	WG1048646
Bromobenzene	U		0.000326	0.00115	1	12/02/2017 14:58	WG1048646
Bromodichloromethane	U		0.000292	0.00115	1	12/02/2017 14:58	WG1048646
Bromochloromethane	U		0.000448	0.00574	1	12/02/2017 14:58	WG1048646
Bromoform	U		0.000487	0.00115	1	12/02/2017 14:58	WG1048646
Bromomethane	U		0.00154	0.00574	1	12/02/2017 14:58	WG1048646
n-Butylbenzene	U		0.000296	0.00115	1	12/02/2017 14:58	WG1048646
sec-Butylbenzene	U		0.000231	0.00115	1	12/02/2017 14:58	WG1048646
tert-Butylbenzene	U		0.000236	0.00115	1	12/02/2017 14:58	WG1048646
Carbon disulfide	U		0.000254	0.00115	1	12/02/2017 14:58	WG1048646
Carbon tetrachloride	U		0.000376	0.00115	1	12/02/2017 14:58	WG1048646
Chlorobenzene	U		0.000243	0.00115	1	12/02/2017 14:58	WG1048646
Chlorodibromomethane	U		0.000428	0.00115	1	12/02/2017 14:58	WG1048646
Chloroethane	0.00119	J	0.00109	0.00574	1	12/02/2017 14:58	WG1048646
Chloroform	U		0.000263	0.00574	1	12/02/2017 14:58	WG1048646
Chloromethane	U		0.000430	0.00287	1	12/02/2017 14:58	WG1048646
2-Chlorotoluene	U		0.000345	0.00115	1	12/02/2017 14:58	WG1048646
4-Chlorotoluene	U		0.000275	0.00115	1	12/02/2017 14:58	WG1048646
1,2-Dibromo-3-Chloropropane	U		0.00121	0.00574	1	12/02/2017 14:58	WG1048646
1,2-Dibromoethane	U	J4	0.000394	0.00115	1	12/02/2017 14:58	WG1048646
Dibromomethane	U		0.000438	0.00115	1	12/02/2017 14:58	WG1048646
1,2-Dichlorobenzene	U		0.000350	0.00115	1	12/02/2017 14:58	WG1048646
1,3-Dichlorobenzene	U		0.000274	0.00115	1	12/02/2017 14:58	WG1048646
1,4-Dichlorobenzene	U		0.000259	0.00115	1	12/02/2017 14:58	WG1048646
Dichlorodifluoromethane	U		0.000818	0.00574	1	12/02/2017 14:58	WG1048646
1,1-Dichloroethane	U		0.000228	0.00115	1	12/02/2017 14:58	WG1048646
1,2-Dichloroethane	U		0.000304	0.00115	1	12/02/2017 14:58	WG1048646
1,1-Dichloroethene	0.00117		0.000348	0.00115	1	12/02/2017 14:58	WG1048646
cis-1,2-Dichloroethene	0.382		0.00675	0.0287	25	12/05/2017 16:52	WG1048646
trans-1,2-Dichloroethene	0.00193		0.000303	0.00115	1	12/02/2017 14:58	WG1048646
1,2-Dichloropropane	U		0.000411	0.00115	1	12/02/2017 14:58	WG1048646
1,1-Dichloropropene	U		0.000364	0.00115	1	12/02/2017 14:58	WG1048646
1,3-Dichloropropane	U		0.000238	0.00115	1	12/02/2017 14:58	WG1048646
cis-1,3-Dichloropropene	U		0.000301	0.00115	1	12/02/2017 14:58	WG1048646
trans-1,3-Dichloropropene	U		0.000306	0.00115	1	12/02/2017 14:58	WG1048646
trans-1,4-Dichloro-2-butene	U		0.000893	0.00287	1	12/02/2017 14:58	WG1048646
2,2-Dichloropropane	U		0.000320	0.00115	1	12/02/2017 14:58	WG1048646
Di-isopropyl ether	U		0.000285	0.00115	1	12/02/2017 14:58	WG1048646
Ethylbenzene	U		0.000341	0.00115	1	12/02/2017 14:58	WG1048646
Hexachloro-1,3-butadiene	U		0.000393	0.00115	1	12/02/2017 14:58	WG1048646
2-Hexanone	U	J3	0.00157	0.0115	1	12/02/2017 14:58	WG1048646
n-Hexane	U		0.000333	0.0115	1	12/02/2017 14:58	WG1048646
Iodomethane	U		0.00290	0.0115	1	12/02/2017 14:58	WG1048646
Isopropylbenzene	U		0.000279	0.00115	1	12/02/2017 14:58	WG1048646
p-Isopropyltoluene	U		0.000234	0.00115	1	12/02/2017 14:58	WG1048646
2-Butanone (MEK)	U		0.00537	0.0115	1	12/02/2017 14:58	WG1048646
Methylene Chloride	U		0.00115	0.00574	1	12/02/2017 14:58	WG1048646
4-Methyl-2-pentanone (MIBK)	U		0.00216	0.0115	1	12/02/2017 14:58	WG1048646

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

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000243	0.00115	1	12/02/2017 14:58	WG1048646
Naphthalene	U		0.00115	0.00574	1	12/02/2017 14:58	WG1048646
n-Propylbenzene	U		0.000236	0.00115	1	12/02/2017 14:58	WG1048646
Styrene	U		0.000269	0.00115	1	12/02/2017 14:58	WG1048646
1,1,1,2-Tetrachloroethane	U		0.000303	0.00115	1	12/02/2017 14:58	WG1048646
1,1,2,2-Tetrachloroethane	U		0.000419	0.00115	1	12/02/2017 14:58	WG1048646
1,1,2-Trichlorotrifluoroethane	U		0.000419	0.00115	1	12/02/2017 14:58	WG1048646
Tetrachloroethene	1.75		0.00792	0.0287	25	12/05/2017 16:52	WG1048646
Toluene	U		0.000498	0.00574	1	12/02/2017 14:58	WG1048646
1,2,3-Trichlorobenzene	U		0.000351	0.00115	1	12/02/2017 14:58	WG1048646
1,2,4-Trichlorobenzene	U		0.000445	0.00115	1	12/02/2017 14:58	WG1048646
1,1,1-Trichloroethane	U		0.000328	0.00115	1	12/02/2017 14:58	WG1048646
1,1,2-Trichloroethane	U		0.000318	0.00115	1	12/02/2017 14:58	WG1048646
Trichloroethene	0.138		0.000320	0.00115	1	12/02/2017 14:58	WG1048646
Trichlorofluoromethane	U		0.000438	0.00574	1	12/02/2017 14:58	WG1048646
1,2,3-Trichloropropane	U		0.000850	0.00287	1	12/02/2017 14:58	WG1048646
1,2,4-Trimethylbenzene	U		0.000242	0.00115	1	12/02/2017 14:58	WG1048646
1,2,3-Trimethylbenzene	U		0.000329	0.00115	1	12/02/2017 14:58	WG1048646
1,3,5-Trimethylbenzene	U		0.000305	0.00115	1	12/02/2017 14:58	WG1048646
Vinyl acetate	U		0.00274	0.0115	1	12/02/2017 14:58	WG1048646
Vinyl chloride	0.00169		0.000334	0.00115	1	12/02/2017 14:58	WG1048646
Xylenes, Total	U		0.000801	0.00344	1	12/02/2017 14:58	WG1048646
(S) Toluene-d8	*98.8*			*80.0-120*		*12/02/2017 14:58*	WG1048646
(S) Toluene-d8	*101*			*80.0-120*		*12/05/2017 16:52*	WG1048646
(S) Dibromofluoromethane	*103*			*74.0-131*		*12/02/2017 14:58*	WG1048646
(S) Dibromofluoromethane	*96.3*			*74.0-131*		*12/05/2017 16:52*	WG1048646
(S) 4-Bromofluorobenzene	*89.2*			*64.0-132*		*12/02/2017 14:58*	WG1048646
(S) 4-Bromofluorobenzene	*97.9*			*64.0-132*		*12/05/2017 16:52*	WG1048646

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

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	81.8		1	12/05/2017 13:36	WG1049600

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0122	0.0612	1	12/02/2017 15:18	WG1048646
Acrylonitrile	U		0.00219	0.0122	1	12/02/2017 15:18	WG1048646
Benzene	U		0.000330	0.00122	1	12/02/2017 15:18	WG1048646
Bromobenzene	U		0.000347	0.00122	1	12/02/2017 15:18	WG1048646
Bromodichloromethane	U		0.000311	0.00122	1	12/02/2017 15:18	WG1048646
Bromochloromethane	U		0.000477	0.00612	1	12/02/2017 15:18	WG1048646
Bromoform	U		0.000519	0.00122	1	12/02/2017 15:18	WG1048646
Bromomethane	U		0.00164	0.00612	1	12/02/2017 15:18	WG1048646
n-Butylbenzene	U		0.000316	0.00122	1	12/02/2017 15:18	WG1048646
sec-Butylbenzene	U		0.000246	0.00122	1	12/02/2017 15:18	WG1048646
tert-Butylbenzene	U		0.000252	0.00122	1	12/02/2017 15:18	WG1048646
Carbon disulfide	U		0.000270	0.00122	1	12/02/2017 15:18	WG1048646
Carbon tetrachloride	U		0.000401	0.00122	1	12/02/2017 15:18	WG1048646
Chlorobenzene	U		0.000259	0.00122	1	12/02/2017 15:18	WG1048646
Chlorodibromomethane	U		0.000456	0.00122	1	12/02/2017 15:18	WG1048646
Chloroethane	U		0.00116	0.00612	1	12/02/2017 15:18	WG1048646
Chloroform	U		0.000280	0.00612	1	12/02/2017 15:18	WG1048646
Chloromethane	U		0.000459	0.00306	1	12/02/2017 15:18	WG1048646
2-Chlorotoluene	U		0.000368	0.00122	1	12/02/2017 15:18	WG1048646
4-Chlorotoluene	U		0.000294	0.00122	1	12/02/2017 15:18	WG1048646
1,2-Dibromo-3-Chloropropane	U		0.00128	0.00612	1	12/02/2017 15:18	WG1048646
1,2-Dibromoethane	U	J4	0.000420	0.00122	1	12/02/2017 15:18	WG1048646
Dibromomethane	U		0.000467	0.00122	1	12/02/2017 15:18	WG1048646
1,2-Dichlorobenzene	U		0.000373	0.00122	1	12/02/2017 15:18	WG1048646
1,3-Dichlorobenzene	U		0.000292	0.00122	1	12/02/2017 15:18	WG1048646
1,4-Dichlorobenzene	U		0.000276	0.00122	1	12/02/2017 15:18	WG1048646
Dichlorodifluoromethane	U		0.000872	0.00612	1	12/02/2017 15:18	WG1048646
1,1-Dichloroethane	U		0.000243	0.00122	1	12/02/2017 15:18	WG1048646
1,2-Dichloroethane	U		0.000324	0.00122	1	12/02/2017 15:18	WG1048646
1,1-Dichloroethene	U		0.000371	0.00122	1	12/02/2017 15:18	WG1048646
cis-1,2-Dichloroethene	0.00505		0.000287	0.00122	1	12/05/2017 14:24	WG1048646
trans-1,2-Dichloroethene	U		0.000323	0.00122	1	12/02/2017 15:18	WG1048646
1,2-Dichloropropane	U		0.000438	0.00122	1	12/02/2017 15:18	WG1048646
1,1-Dichloropropene	U		0.000388	0.00122	1	12/02/2017 15:18	WG1048646
1,3-Dichloropropane	U		0.000253	0.00122	1	12/02/2017 15:18	WG1048646
cis-1,3-Dichloropropene	U		0.000320	0.00122	1	12/02/2017 15:18	WG1048646
trans-1,3-Dichloropropene	U		0.000327	0.00122	1	12/02/2017 15:18	WG1048646
trans-1,4-Dichloro-2-butene	U		0.000952	0.00306	1	12/02/2017 15:18	WG1048646
2,2-Dichloropropane	U		0.000341	0.00122	1	12/02/2017 15:18	WG1048646
Di-isopropyl ether	U		0.000303	0.00122	1	12/02/2017 15:18	WG1048646
Ethylbenzene	U		0.000363	0.00122	1	12/02/2017 15:18	WG1048646
Hexachloro-1,3-butadiene	U		0.000418	0.00122	1	12/02/2017 15:18	WG1048646
2-Hexanone	U	J3	0.00168	0.0122	1	12/02/2017 15:18	WG1048646
n-Hexane	U		0.000355	0.0122	1	12/02/2017 15:18	WG1048646
Iodomethane	U		0.00309	0.0122	1	12/02/2017 15:18	WG1048646
Isopropylbenzene	U		0.000297	0.00122	1	12/02/2017 15:18	WG1048646
p-Isopropyltoluene	U		0.000250	0.00122	1	12/02/2017 15:18	WG1048646
2-Butanone (MEK)	U		0.00572	0.0122	1	12/02/2017 15:18	WG1048646
Methylene Chloride	U		0.00122	0.00612	1	12/02/2017 15:18	WG1048646
4-Methyl-2-pentanone (MIBK)	U		0.00230	0.0122	1	12/02/2017 15:18	WG1048646

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000259	0.00122	1	12/02/2017 15:18	WG1048646
Naphthalene	U		0.00122	0.00612	1	12/02/2017 15:18	WG1048646
n-Propylbenzene	U		0.000252	0.00122	1	12/02/2017 15:18	WG1048646
Styrene	U		0.000286	0.00122	1	12/02/2017 15:18	WG1048646
1,1,1,2-Tetrachloroethane	U		0.000323	0.00122	1	12/02/2017 15:18	WG1048646
1,1,2,2-Tetrachloroethane	U		0.000446	0.00122	1	12/02/2017 15:18	WG1048646
1,1,2-Trichlorotrifluoroethane	U		0.000446	0.00122	1	12/02/2017 15:18	WG1048646
Tetrachloroethene	0.0291		0.000338	0.00122	1	12/05/2017 14:24	WG1048646
Toluene	U		0.000531	0.00612	1	12/02/2017 15:18	WG1048646
1,2,3-Trichlorobenzene	U		0.000374	0.00122	1	12/02/2017 15:18	WG1048646
1,2,4-Trichlorobenzene	U		0.000475	0.00122	1	12/02/2017 15:18	WG1048646
1,1,1-Trichloroethane	U		0.000350	0.00122	1	12/02/2017 15:18	WG1048646
1,1,2-Trichloroethane	U		0.000339	0.00122	1	12/02/2017 15:18	WG1048646
Trichloroethene	0.00216		0.000341	0.00122	1	12/02/2017 15:18	WG1048646
Trichlorofluoromethane	U		0.000467	0.00612	1	12/02/2017 15:18	WG1048646
1,2,3-Trichloropropane	U		0.000906	0.00306	1	12/02/2017 15:18	WG1048646
1,2,4-Trimethylbenzene	U		0.000258	0.00122	1	12/02/2017 15:18	WG1048646
1,2,3-Trimethylbenzene	U		0.000351	0.00122	1	12/02/2017 15:18	WG1048646
1,3,5-Trimethylbenzene	U		0.000325	0.00122	1	12/02/2017 15:18	WG1048646
Vinyl acetate	U		0.00292	0.0122	1	12/02/2017 15:18	WG1048646
Vinyl chloride	U		0.000356	0.00122	1	12/02/2017 15:18	WG1048646
Xylenes, Total	U		0.000854	0.00367	1	12/02/2017 15:18	WG1048646
(S) Toluene-d8	*97.0*			*80.0-120*		*12/02/2017 15:18*	WG1048646
(S) Toluene-d8	*93.6*			*80.0-120*		*12/05/2017 14:24*	WG1048646
(S) Dibromofluoromethane	*105*			*74.0-131*		*12/05/2017 14:24*	WG1048646
(S) Dibromofluoromethane	*104*			*74.0-131*		*12/02/2017 15:18*	WG1048646
(S) 4-Bromofluorobenzene	*88.9*			*64.0-132*		*12/02/2017 15:18*	WG1048646
(S) 4-Bromofluorobenzene	*99.3*			*64.0-132*		*12/05/2017 14:24*	WG1048646

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	90.0		1	12/05/2017 13:36	WG1049600

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0111	0.0556	1	12/02/2017 15:38	WG1048646
Acrylonitrile	U		0.00199	0.0111	1	12/02/2017 15:38	WG1048646
Benzene	U		0.000300	0.00111	1	12/02/2017 15:38	WG1048646
Bromobenzene	U		0.000316	0.00111	1	12/02/2017 15:38	WG1048646
Bromodichloromethane	U		0.000282	0.00111	1	12/02/2017 15:38	WG1048646
Bromochloromethane	U		0.000433	0.00556	1	12/02/2017 15:38	WG1048646
Bromoform	U		0.000471	0.00111	1	12/02/2017 15:38	WG1048646
Bromomethane	U		0.00149	0.00556	1	12/02/2017 15:38	WG1048646
n-Butylbenzene	U		0.000287	0.00111	1	12/02/2017 15:38	WG1048646
sec-Butylbenzene	U		0.000223	0.00111	1	12/02/2017 15:38	WG1048646
tert-Butylbenzene	U		0.000229	0.00111	1	12/02/2017 15:38	WG1048646
Carbon disulfide	U		0.000246	0.00111	1	12/02/2017 15:38	WG1048646
Carbon tetrachloride	U		0.000365	0.00111	1	12/02/2017 15:38	WG1048646
Chlorobenzene	U		0.000236	0.00111	1	12/02/2017 15:38	WG1048646
Chlorodibromomethane	U		0.000415	0.00111	1	12/02/2017 15:38	WG1048646
Chloroethane	U		0.00105	0.00556	1	12/02/2017 15:38	WG1048646
Chloroform	U		0.000255	0.00556	1	12/02/2017 15:38	WG1048646
Chloromethane	U		0.000417	0.00278	1	12/02/2017 15:38	WG1048646
2-Chlorotoluene	U		0.000335	0.00111	1	12/02/2017 15:38	WG1048646
4-Chlorotoluene	U		0.000267	0.00111	1	12/02/2017 15:38	WG1048646
1,2-Dibromo-3-Chloropropane	U		0.00117	0.00556	1	12/02/2017 15:38	WG1048646
1,2-Dibromoethane	U	J4	0.000381	0.00111	1	12/02/2017 15:38	WG1048646
Dibromomethane	U		0.000425	0.00111	1	12/02/2017 15:38	WG1048646
1,2-Dichlorobenzene	U		0.000339	0.00111	1	12/02/2017 15:38	WG1048646
1,3-Dichlorobenzene	U		0.000266	0.00111	1	12/02/2017 15:38	WG1048646
1,4-Dichlorobenzene	U		0.000251	0.00111	1	12/02/2017 15:38	WG1048646
Dichlorodifluoromethane	U		0.000793	0.00556	1	12/02/2017 15:38	WG1048646
1,1-Dichloroethane	U		0.000221	0.00111	1	12/02/2017 15:38	WG1048646
1,2-Dichloroethane	U		0.000295	0.00111	1	12/02/2017 15:38	WG1048646
1,1-Dichloroethene	U		0.000337	0.00111	1	12/02/2017 15:38	WG1048646
cis-1,2-Dichloroethene	0.000669	J	0.000261	0.00111	1	12/02/2017 15:38	WG1048646
trans-1,2-Dichloroethene	U		0.000293	0.00111	1	12/02/2017 15:38	WG1048646
1,2-Dichloropropane	U		0.000398	0.00111	1	12/02/2017 15:38	WG1048646
1,1-Dichloropropene	U		0.000352	0.00111	1	12/02/2017 15:38	WG1048646
1,3-Dichloropropane	U		0.000230	0.00111	1	12/02/2017 15:38	WG1048646
cis-1,3-Dichloropropene	U		0.000291	0.00111	1	12/02/2017 15:38	WG1048646
trans-1,3-Dichloropropene	U		0.000297	0.00111	1	12/02/2017 15:38	WG1048646
trans-1,4-Dichloro-2-butene	U		0.000865	0.00278	1	12/02/2017 15:38	WG1048646
2,2-Dichloropropane	U		0.000310	0.00111	1	12/02/2017 15:38	WG1048646
Di-isopropyl ether	U		0.000276	0.00111	1	12/02/2017 15:38	WG1048646
Ethylbenzene	U		0.000330	0.00111	1	12/02/2017 15:38	WG1048646
Hexachloro-1,3-butadiene	U		0.000380	0.00111	1	12/02/2017 15:38	WG1048646
2-Hexanone	U	J3	0.00152	0.0111	1	12/02/2017 15:38	WG1048646
n-Hexane	U		0.000322	0.0111	1	12/02/2017 15:38	WG1048646
Iodomethane	U		0.00281	0.0111	1	12/02/2017 15:38	WG1048646
Isopropylbenzene	U		0.000270	0.00111	1	12/02/2017 15:38	WG1048646
p-Isopropyltoluene	U		0.000227	0.00111	1	12/02/2017 15:38	WG1048646
2-Butanone (MEK)	U		0.00520	0.0111	1	12/02/2017 15:38	WG1048646
Methylene Chloride	U		0.00111	0.00556	1	12/02/2017 15:38	WG1048646
4-Methyl-2-pentanone (MIBK)	U		0.00209	0.0111	1	12/02/2017 15:38	WG1048646

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000236	0.00111	1	12/02/2017 15:38	WG1048646
Naphthalene	U		0.00111	0.00556	1	12/02/2017 15:38	WG1048646
n-Propylbenzene	U		0.000229	0.00111	1	12/02/2017 15:38	WG1048646
Styrene	U		0.000260	0.00111	1	12/02/2017 15:38	WG1048646
1,1,1,2-Tetrachloroethane	U		0.000293	0.00111	1	12/02/2017 15:38	WG1048646
1,1,2,2-Tetrachloroethane	U		0.000406	0.00111	1	12/02/2017 15:38	WG1048646
1,1,2-Trichlorotrifluoroethane	U		0.000406	0.00111	1	12/02/2017 15:38	WG1048646
Tetrachloroethene	0.00300		0.000307	0.00111	1	12/05/2017 14:45	WG1048646
Toluene	U		0.000482	0.00556	1	12/02/2017 15:38	WG1048646
1,2,3-Trichlorobenzene	U		0.000340	0.00111	1	12/02/2017 15:38	WG1048646
1,2,4-Trichlorobenzene	U		0.000431	0.00111	1	12/02/2017 15:38	WG1048646
1,1,1-Trichloroethane	U		0.000318	0.00111	1	12/02/2017 15:38	WG1048646
1,1,2-Trichloroethane	U		0.000308	0.00111	1	12/02/2017 15:38	WG1048646
Trichloroethene	0.000709	J	0.000310	0.00111	1	12/02/2017 15:38	WG1048646
Trichlorofluoromethane	U		0.000425	0.00556	1	12/02/2017 15:38	WG1048646
1,2,3-Trichloropropane	U		0.000824	0.00278	1	12/02/2017 15:38	WG1048646
1,2,4-Trimethylbenzene	U		0.000235	0.00111	1	12/02/2017 15:38	WG1048646
1,2,3-Trimethylbenzene	U		0.000319	0.00111	1	12/02/2017 15:38	WG1048646
1,3,5-Trimethylbenzene	U		0.000296	0.00111	1	12/02/2017 15:38	WG1048646
Vinyl acetate	U		0.00266	0.0111	1	12/02/2017 15:38	WG1048646
Vinyl chloride	U		0.000323	0.00111	1	12/02/2017 15:38	WG1048646
Xylenes, Total	U		0.000776	0.00333	1	12/02/2017 15:38	WG1048646
(S) Toluene-d8	*97.3*			*80.0-120*		*12/02/2017 15:38*	WG1048646
(S) Toluene-d8	*93.0*			*80.0-120*		*12/05/2017 14:45*	WG1048646
(S) Dibromofluoromethane	*102*			*74.0-131*		*12/05/2017 14:45*	WG1048646
(S) Dibromofluoromethane	*102*			*74.0-131*		*12/02/2017 15:38*	WG1048646
(S) 4-Bromofluorobenzene	*91.5*			*64.0-132*		*12/02/2017 15:38*	WG1048646
(S) 4-Bromofluorobenzene	*99.5*			*64.0-132*		*12/05/2017 14:45*	WG1048646

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

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	92.8		1	12/05/2017 13:36	WG1049600

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0108	0.0539	1	12/02/2017 15:58	WG1048646
Acrylonitrile	U		0.00193	0.0108	1	12/02/2017 15:58	WG1048646
Benzene	U		0.000291	0.00108	1	12/02/2017 15:58	WG1048646
Bromobenzene	U		0.000306	0.00108	1	12/02/2017 15:58	WG1048646
Bromodichloromethane	U		0.000274	0.00108	1	12/02/2017 15:58	WG1048646
Bromochloromethane	U		0.000420	0.00539	1	12/02/2017 15:58	WG1048646
Bromoform	U		0.000457	0.00108	1	12/02/2017 15:58	WG1048646
Bromomethane	U		0.00144	0.00539	1	12/02/2017 15:58	WG1048646
n-Butylbenzene	U		0.000278	0.00108	1	12/02/2017 15:58	WG1048646
sec-Butylbenzene	U		0.000217	0.00108	1	12/02/2017 15:58	WG1048646
tert-Butylbenzene	U		0.000222	0.00108	1	12/02/2017 15:58	WG1048646
Carbon disulfide	U		0.000238	0.00108	1	12/02/2017 15:58	WG1048646
Carbon tetrachloride	U		0.000353	0.00108	1	12/02/2017 15:58	WG1048646
Chlorobenzene	U		0.000228	0.00108	1	12/02/2017 15:58	WG1048646
Chlorodibromomethane	U		0.000402	0.00108	1	12/02/2017 15:58	WG1048646
Chloroethane	U		0.00102	0.00539	1	12/02/2017 15:58	WG1048646
Chloroform	0.000638	J	0.000247	0.00539	1	12/02/2017 15:58	WG1048646
Chloromethane	U		0.000404	0.00269	1	12/02/2017 15:58	WG1048646
2-Chlorotoluene	U		0.000324	0.00108	1	12/02/2017 15:58	WG1048646
4-Chlorotoluene	U		0.000259	0.00108	1	12/02/2017 15:58	WG1048646
1,2-Dibromo-3-Chloropropane	U		0.00113	0.00539	1	12/02/2017 15:58	WG1048646
1,2-Dibromoethane	U	J4	0.000369	0.00108	1	12/02/2017 15:58	WG1048646
Dibromomethane	U		0.000411	0.00108	1	12/02/2017 15:58	WG1048646
1,2-Dichlorobenzene	U		0.000329	0.00108	1	12/02/2017 15:58	WG1048646
1,3-Dichlorobenzene	U		0.000257	0.00108	1	12/02/2017 15:58	WG1048646
1,4-Dichlorobenzene	U		0.000243	0.00108	1	12/02/2017 15:58	WG1048646
Dichlorodifluoromethane	U		0.000768	0.00539	1	12/02/2017 15:58	WG1048646
1,1-Dichloroethane	U		0.000214	0.00108	1	12/02/2017 15:58	WG1048646
1,2-Dichloroethane	U		0.000285	0.00108	1	12/02/2017 15:58	WG1048646
1,1-Dichloroethene	0.00143		0.000326	0.00108	1	12/02/2017 15:58	WG1048646
cis-1,2-Dichloroethene	0.811		0.0253	0.108	100	12/05/2017 20:25	WG1048646
trans-1,2-Dichloroethene	0.00385		0.000284	0.00108	1	12/02/2017 15:58	WG1048646
1,2-Dichloropropane	U		0.000386	0.00108	1	12/02/2017 15:58	WG1048646
1,1-Dichloropropene	U		0.000341	0.00108	1	12/02/2017 15:58	WG1048646
1,3-Dichloropropane	U		0.000223	0.00108	1	12/02/2017 15:58	WG1048646
cis-1,3-Dichloropropene	U		0.000282	0.00108	1	12/02/2017 15:58	WG1048646
trans-1,3-Dichloropropene	U		0.000288	0.00108	1	12/02/2017 15:58	WG1048646
trans-1,4-Dichloro-2-butene	U		0.000838	0.00269	1	12/02/2017 15:58	WG1048646
2,2-Dichloropropane	U		0.000301	0.00108	1	12/02/2017 15:58	WG1048646
Di-isopropyl ether	U		0.000267	0.00108	1	12/02/2017 15:58	WG1048646
Ethylbenzene	U		0.000320	0.00108	1	12/02/2017 15:58	WG1048646
Hexachloro-1,3-butadiene	U		0.000368	0.00108	1	12/02/2017 15:58	WG1048646
2-Hexanone	U	J3	0.00148	0.0108	1	12/02/2017 15:58	WG1048646
n-Hexane	U		0.000312	0.0108	1	12/02/2017 15:58	WG1048646
Iodomethane	U		0.00273	0.0108	1	12/02/2017 15:58	WG1048646
Isopropylbenzene	U		0.000262	0.00108	1	12/02/2017 15:58	WG1048646
p-Isopropyltoluene	U		0.000220	0.00108	1	12/02/2017 15:58	WG1048646
2-Butanone (MEK)	U		0.00504	0.0108	1	12/02/2017 15:58	WG1048646
Methylene Chloride	U		0.00108	0.00539	1	12/02/2017 15:58	WG1048646
4-Methyl-2-pentanone (MIBK)	U		0.00203	0.0108	1	12/02/2017 15:58	WG1048646

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000228	0.00108	1	12/02/2017 15:58	WG1048646
Naphthalene	U		0.00108	0.00539	1	12/02/2017 15:58	WG1048646
n-Propylbenzene	U		0.000222	0.00108	1	12/02/2017 15:58	WG1048646
Styrene	U		0.000252	0.00108	1	12/02/2017 15:58	WG1048646
1,1,1,2-Tetrachloroethane	U		0.000284	0.00108	1	12/02/2017 15:58	WG1048646
1,1,2,2-Tetrachloroethane	U		0.000393	0.00108	1	12/02/2017 15:58	WG1048646
1,1,2-Trichlorotrifluoroethane	U		0.000393	0.00108	1	12/02/2017 15:58	WG1048646
Tetrachloroethene	203		0.595	2.15	2000	12/06/2017 16:17	WG1048646
Toluene	0.000556	J	0.000467	0.00539	1	12/02/2017 15:58	WG1048646
1,2,3-Trichlorobenzene	U		0.000330	0.00108	1	12/02/2017 15:58	WG1048646
1,2,4-Trichlorobenzene	U		0.000418	0.00108	1	12/02/2017 15:58	WG1048646
1,1,1-Trichloroethane	U		0.000308	0.00108	1	12/02/2017 15:58	WG1048646
1,1,2-Trichloroethane	U		0.000298	0.00108	1	12/02/2017 15:58	WG1048646
Trichloroethene	0.680		0.0301	0.108	100	12/05/2017 20:25	WG1048646
Trichlorofluoromethane	U		0.000411	0.00539	1	12/02/2017 15:58	WG1048646
1,2,3-Trichloropropane	U		0.000798	0.00269	1	12/02/2017 15:58	WG1048646
1,2,4-Trimethylbenzene	U		0.000227	0.00108	1	12/02/2017 15:58	WG1048646
1,2,3-Trimethylbenzene	U		0.000309	0.00108	1	12/02/2017 15:58	WG1048646
1,3,5-Trimethylbenzene	U		0.000287	0.00108	1	12/02/2017 15:58	WG1048646
Vinyl acetate	U		0.00257	0.0108	1	12/02/2017 15:58	WG1048646
Vinyl chloride	0.00764		0.000313	0.00108	1	12/02/2017 15:58	WG1048646
Xylenes, Total	U		0.000752	0.00323	1	12/02/2017 15:58	WG1048646
(S) Toluene-d8	*97.9*			*80.0-120*		*12/02/2017 15:58*	WG1048646
(S) Toluene-d8	*102*			*80.0-120*		*12/06/2017 16:17*	WG1048646
(S) Toluene-d8	*98.6*			*80.0-120*		*12/05/2017 20:25*	WG1048646
(S) Dibromofluoromethane	*99.7*			*74.0-131*		*12/05/2017 20:25*	WG1048646
(S) Dibromofluoromethane	*97.2*			*74.0-131*		*12/02/2017 15:58*	WG1048646
(S) Dibromofluoromethane	*104*			*74.0-131*		*12/06/2017 16:17*	WG1048646
(S) 4-Bromofluorobenzene	*89.9*			*64.0-132*		*12/02/2017 15:58*	WG1048646
(S) 4-Bromofluorobenzene	*99.1*			*64.0-132*		*12/06/2017 16:17*	WG1048646
(S) 4-Bromofluorobenzene	*101*			*64.0-132*		*12/05/2017 20:25*	WG1048646

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

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	88.4		1	12/05/2017 14:02	WG1049601

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0565	1	12/02/2017 16:18	WG1048646
Acrylonitrile	U		0.00202	0.0113	1	12/02/2017 16:18	WG1048646
Benzene	U		0.000305	0.00113	1	12/02/2017 16:18	WG1048646
Bromobenzene	U		0.000321	0.00113	1	12/02/2017 16:18	WG1048646
Bromodichloromethane	U		0.000287	0.00113	1	12/02/2017 16:18	WG1048646
Bromochloromethane	U		0.000441	0.00565	1	12/02/2017 16:18	WG1048646
Bromoform	U		0.000479	0.00113	1	12/02/2017 16:18	WG1048646
Bromomethane	U		0.00152	0.00565	1	12/02/2017 16:18	WG1048646
n-Butylbenzene	U		0.000292	0.00113	1	12/02/2017 16:18	WG1048646
sec-Butylbenzene	U		0.000227	0.00113	1	12/02/2017 16:18	WG1048646
tert-Butylbenzene	U		0.000233	0.00113	1	12/02/2017 16:18	WG1048646
Carbon disulfide	U		0.000250	0.00113	1	12/02/2017 16:18	WG1048646
Carbon tetrachloride	U		0.000371	0.00113	1	12/02/2017 16:18	WG1048646
Chlorobenzene	U		0.000240	0.00113	1	12/02/2017 16:18	WG1048646
Chlorodibromomethane	U		0.000422	0.00113	1	12/02/2017 16:18	WG1048646
Chloroethane	U		0.00107	0.00565	1	12/02/2017 16:18	WG1048646
Chloroform	U		0.000259	0.00565	1	12/02/2017 16:18	WG1048646
Chloromethane	U		0.000424	0.00283	1	12/02/2017 16:18	WG1048646
2-Chlorotoluene	U		0.000340	0.00113	1	12/02/2017 16:18	WG1048646
4-Chlorotoluene	U		0.000271	0.00113	1	12/02/2017 16:18	WG1048646
1,2-Dibromo-3-Chloropropane	U		0.00119	0.00565	1	12/02/2017 16:18	WG1048646
1,2-Dibromoethane	U	J4	0.000388	0.00113	1	12/02/2017 16:18	WG1048646
Dibromomethane	U		0.000432	0.00113	1	12/02/2017 16:18	WG1048646
1,2-Dichlorobenzene	U		0.000345	0.00113	1	12/02/2017 16:18	WG1048646
1,3-Dichlorobenzene	U		0.000270	0.00113	1	12/02/2017 16:18	WG1048646
1,4-Dichlorobenzene	U		0.000256	0.00113	1	12/02/2017 16:18	WG1048646
Dichlorodifluoromethane	U		0.000806	0.00565	1	12/02/2017 16:18	WG1048646
1,1-Dichloroethane	U		0.000225	0.00113	1	12/02/2017 16:18	WG1048646
1,2-Dichloroethane	U		0.000300	0.00113	1	12/02/2017 16:18	WG1048646
1,1-Dichloroethene	U		0.000343	0.00113	1	12/02/2017 16:18	WG1048646
cis-1,2-Dichloroethene	0.0290		0.000266	0.00113	1	12/02/2017 16:18	WG1048646
trans-1,2-Dichloroethene	0.000496	J	0.000299	0.00113	1	12/02/2017 16:18	WG1048646
1,2-Dichloropropane	U		0.000405	0.00113	1	12/02/2017 16:18	WG1048646
1,1-Dichloropropene	U		0.000358	0.00113	1	12/02/2017 16:18	WG1048646
1,3-Dichloropropane	U		0.000234	0.00113	1	12/02/2017 16:18	WG1048646
cis-1,3-Dichloropropene	U		0.000296	0.00113	1	12/02/2017 16:18	WG1048646
trans-1,3-Dichloropropene	U		0.000302	0.00113	1	12/02/2017 16:18	WG1048646
trans-1,4-Dichloro-2-butene	U		0.000880	0.00283	1	12/02/2017 16:18	WG1048646
2,2-Dichloropropane	U		0.000316	0.00113	1	12/02/2017 16:18	WG1048646
Di-isopropyl ether	U		0.000280	0.00113	1	12/02/2017 16:18	WG1048646
Ethylbenzene	U		0.000336	0.00113	1	12/02/2017 16:18	WG1048646
Hexachloro-1,3-butadiene	U		0.000387	0.00113	1	12/02/2017 16:18	WG1048646
2-Hexanone	U	J3	0.00155	0.0113	1	12/02/2017 16:18	WG1048646
n-Hexane	U		0.000328	0.0113	1	12/02/2017 16:18	WG1048646
Iodomethane	U		0.00286	0.0113	1	12/02/2017 16:18	WG1048646
Isopropylbenzene	U		0.000275	0.00113	1	12/02/2017 16:18	WG1048646
p-Isopropyltoluene	U		0.000231	0.00113	1	12/02/2017 16:18	WG1048646
2-Butanone (MEK)	U		0.00529	0.0113	1	12/02/2017 16:18	WG1048646
Methylene Chloride	U		0.00113	0.00565	1	12/02/2017 16:18	WG1048646
4-Methyl-2-pentanone (MIBK)	U		0.00213	0.0113	1	12/02/2017 16:18	WG1048646

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

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000240	0.00113	1	12/02/2017 16:18	WG1048646
Naphthalene	U		0.00113	0.00565	1	12/02/2017 16:18	WG1048646
n-Propylbenzene	U		0.000233	0.00113	1	12/02/2017 16:18	WG1048646
Styrene	U		0.000265	0.00113	1	12/02/2017 16:18	WG1048646
1,1,1,2-Tetrachloroethane	U		0.000299	0.00113	1	12/02/2017 16:18	WG1048646
1,1,2,2-Tetrachloroethane	U		0.000413	0.00113	1	12/02/2017 16:18	WG1048646
1,1,2-Trichlorotrifluoroethane	U		0.000413	0.00113	1	12/02/2017 16:18	WG1048646
Tetrachloroethene	14.0		0.0312	0.113	100	12/05/2017 20:46	WG1048646
Toluene	U		0.000491	0.00565	1	12/02/2017 16:18	WG1048646
1,2,3-Trichlorobenzene	U		0.000346	0.00113	1	12/02/2017 16:18	WG1048646
1,2,4-Trichlorobenzene	U		0.000439	0.00113	1	12/02/2017 16:18	WG1048646
1,1,1-Trichloroethane	U		0.000323	0.00113	1	12/02/2017 16:18	WG1048646
1,1,2-Trichloroethane	U		0.000313	0.00113	1	12/02/2017 16:18	WG1048646
Trichloroethene	0.0594		0.000316	0.00113	1	12/02/2017 16:18	WG1048646
Trichlorofluoromethane	U		0.000432	0.00565	1	12/02/2017 16:18	WG1048646
1,2,3-Trichloropropane	U		0.000838	0.00283	1	12/02/2017 16:18	WG1048646
1,2,4-Trimethylbenzene	U		0.000239	0.00113	1	12/02/2017 16:18	WG1048646
1,2,3-Trimethylbenzene	U		0.000325	0.00113	1	12/02/2017 16:18	WG1048646
1,3,5-Trimethylbenzene	U		0.000301	0.00113	1	12/02/2017 16:18	WG1048646
Vinyl acetate	U		0.00270	0.0113	1	12/02/2017 16:18	WG1048646
Vinyl chloride	0.000858	J	0.000329	0.00113	1	12/02/2017 16:18	WG1048646
Xylenes, Total	U		0.000789	0.00339	1	12/02/2017 16:18	WG1048646
(S) Toluene-d8	*100*			*80.0-120*		*12/02/2017 16:18*	WG1048646
(S) Toluene-d8	*101*			*80.0-120*		*12/05/2017 20:46*	WG1048646
(S) Dibromofluoromethane	*97.9*			*74.0-131*		*12/05/2017 20:46*	WG1048646
(S) Dibromofluoromethane	*98.6*			*74.0-131*		*12/02/2017 16:18*	WG1048646
(S) 4-Bromofluorobenzene	*90.8*			*64.0-132*		*12/02/2017 16:18*	WG1048646
(S) 4-Bromofluorobenzene	*98.4*			*64.0-132*		*12/05/2017 20:46*	WG1048646

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

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	87.1		1	12/05/2017 14:02	WG1049601

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0115	0.0574	1	12/02/2017 16:38	WG1048646
Acrylonitrile	U		0.00206	0.0115	1	12/02/2017 16:38	WG1048646
Benzene	U		0.000310	0.00115	1	12/02/2017 16:38	WG1048646
Bromobenzene	U		0.000326	0.00115	1	12/02/2017 16:38	WG1048646
Bromodichloromethane	U		0.000292	0.00115	1	12/02/2017 16:38	WG1048646
Bromochloromethane	U		0.000448	0.00574	1	12/02/2017 16:38	WG1048646
Bromoform	U		0.000487	0.00115	1	12/02/2017 16:38	WG1048646
Bromomethane	U		0.00154	0.00574	1	12/02/2017 16:38	WG1048646
n-Butylbenzene	U		0.000296	0.00115	1	12/02/2017 16:38	WG1048646
sec-Butylbenzene	U		0.000231	0.00115	1	12/02/2017 16:38	WG1048646
tert-Butylbenzene	U		0.000237	0.00115	1	12/02/2017 16:38	WG1048646
Carbon disulfide	U		0.000254	0.00115	1	12/02/2017 16:38	WG1048646
Carbon tetrachloride	U		0.000377	0.00115	1	12/02/2017 16:38	WG1048646
Chlorobenzene	U		0.000244	0.00115	1	12/02/2017 16:38	WG1048646
Chlorodibromomethane	U		0.000428	0.00115	1	12/02/2017 16:38	WG1048646
Chloroethane	U		0.00109	0.00574	1	12/02/2017 16:38	WG1048646
Chloroform	0.000686	J	0.000263	0.00574	1	12/02/2017 16:38	WG1048646
Chloromethane	U		0.000431	0.00287	1	12/02/2017 16:38	WG1048646
2-Chlorotoluene	U		0.000346	0.00115	1	12/02/2017 16:38	WG1048646
4-Chlorotoluene	U		0.000276	0.00115	1	12/02/2017 16:38	WG1048646
1,2-Dibromo-3-Chloropropane	U		0.00121	0.00574	1	12/02/2017 16:38	WG1048646
1,2-Dibromoethane	U	J4	0.000394	0.00115	1	12/02/2017 16:38	WG1048646
Dibromomethane	U		0.000439	0.00115	1	12/02/2017 16:38	WG1048646
1,2-Dichlorobenzene	U		0.000350	0.00115	1	12/02/2017 16:38	WG1048646
1,3-Dichlorobenzene	U		0.000275	0.00115	1	12/02/2017 16:38	WG1048646
1,4-Dichlorobenzene	U		0.000260	0.00115	1	12/02/2017 16:38	WG1048646
Dichlorodifluoromethane	U		0.000819	0.00574	1	12/02/2017 16:38	WG1048646
1,1-Dichloroethane	U		0.000229	0.00115	1	12/02/2017 16:38	WG1048646
1,2-Dichloroethane	U		0.000304	0.00115	1	12/02/2017 16:38	WG1048646
1,1-Dichloroethene	0.00155		0.000348	0.00115	1	12/02/2017 16:38	WG1048646
cis-1,2-Dichloroethene	0.474		0.0540	0.230	200	12/05/2017 21:49	WG1048646
trans-1,2-Dichloroethene	0.00415		0.000303	0.00115	1	12/02/2017 16:38	WG1048646
1,2-Dichloropropane	U		0.000411	0.00115	1	12/02/2017 16:38	WG1048646
1,1-Dichloropropene	U		0.000364	0.00115	1	12/02/2017 16:38	WG1048646
1,3-Dichloropropane	U		0.000238	0.00115	1	12/02/2017 16:38	WG1048646
cis-1,3-Dichloropropene	U		0.000301	0.00115	1	12/02/2017 16:38	WG1048646
trans-1,3-Dichloropropene	U		0.000307	0.00115	1	12/02/2017 16:38	WG1048646
trans-1,4-Dichloro-2-butene	U		0.000894	0.00287	1	12/02/2017 16:38	WG1048646
2,2-Dichloropropane	U		0.000320	0.00115	1	12/02/2017 16:38	WG1048646
Di-isopropyl ether	U		0.000285	0.00115	1	12/02/2017 16:38	WG1048646
Ethylbenzene	U		0.000341	0.00115	1	12/02/2017 16:38	WG1048646
Hexachloro-1,3-butadiene	U		0.000393	0.00115	1	12/02/2017 16:38	WG1048646
2-Hexanone	U	J3	0.00157	0.0115	1	12/02/2017 16:38	WG1048646
n-Hexane	U		0.000333	0.0115	1	12/02/2017 16:38	WG1048646
Iodomethane	U		0.00291	0.0115	1	12/02/2017 16:38	WG1048646
Isopropylbenzene	U		0.000279	0.00115	1	12/02/2017 16:38	WG1048646
p-Isopropyltoluene	U		0.000234	0.00115	1	12/02/2017 16:38	WG1048646
2-Butanone (MEK)	U		0.00538	0.0115	1	12/02/2017 16:38	WG1048646
Methylene Chloride	U		0.00115	0.00574	1	12/02/2017 16:38	WG1048646
4-Methyl-2-pentanone (MIBK)	U		0.00216	0.0115	1	12/02/2017 16:38	WG1048646

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000244	0.00115	1	12/02/2017 16:38	WG1048646
Naphthalene	U		0.00115	0.00574	1	12/02/2017 16:38	WG1048646
n-Propylbenzene	U		0.000237	0.00115	1	12/02/2017 16:38	WG1048646
Styrene	U		0.000269	0.00115	1	12/02/2017 16:38	WG1048646
1,1,1,2-Tetrachloroethane	U		0.000303	0.00115	1	12/02/2017 16:38	WG1048646
1,1,2,2-Tetrachloroethane	U		0.000419	0.00115	1	12/02/2017 16:38	WG1048646
1,1,2-Trichlorotrifluoroethane	U		0.000419	0.00115	1	12/02/2017 16:38	WG1048646
Tetrachloroethene	18.2		0.0634	0.230	200	12/05/2017 21:49	WG1048646
Toluene	0.000672	J	0.000499	0.00574	1	12/02/2017 16:38	WG1048646
1,2,3-Trichlorobenzene	U		0.000352	0.00115	1	12/02/2017 16:38	WG1048646
1,2,4-Trichlorobenzene	U		0.000446	0.00115	1	12/02/2017 16:38	WG1048646
1,1,1-Trichloroethane	U		0.000329	0.00115	1	12/02/2017 16:38	WG1048646
1,1,2-Trichloroethane	U		0.000318	0.00115	1	12/02/2017 16:38	WG1048646
Trichloroethene	0.378		0.0641	0.230	200	12/05/2017 21:49	WG1048646
Trichlorofluoromethane	U		0.000439	0.00574	1	12/02/2017 16:38	WG1048646
1,2,3-Trichloropropane	U		0.000851	0.00287	1	12/02/2017 16:38	WG1048646
1,2,4-Trimethylbenzene	U		0.000242	0.00115	1	12/02/2017 16:38	WG1048646
1,2,3-Trimethylbenzene	U		0.000330	0.00115	1	12/02/2017 16:38	WG1048646
1,3,5-Trimethylbenzene	U		0.000306	0.00115	1	12/02/2017 16:38	WG1048646
Vinyl acetate	U		0.00275	0.0115	1	12/02/2017 16:38	WG1048646
Vinyl chloride	0.00840		0.000334	0.00115	1	12/02/2017 16:38	WG1048646
Xylenes, Total	U		0.000802	0.00345	1	12/02/2017 16:38	WG1048646
(S) Toluene-d8	*103*			*80.0-120*		*12/02/2017 16:38*	WG1048646
(S) Toluene-d8	*97.5*			*80.0-120*		*12/05/2017 21:49*	WG1048646
(S) Dibromofluoromethane	*98.6*			*74.0-131*		*12/05/2017 21:49*	WG1048646
(S) Dibromofluoromethane	*97.5*			*74.0-131*		*12/02/2017 16:38*	WG1048646
(S) 4-Bromofluorobenzene	*98.0*			*64.0-132*		*12/05/2017 21:49*	WG1048646
(S) 4-Bromofluorobenzene	*89.1*			*64.0-132*		*12/02/2017 16:38*	WG1048646

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

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	92.9		1	12/05/2017 14:02	WG1049601

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0108	0.0538	1	12/02/2017 16:58	WG1048646
Acrylonitrile	U		0.00193	0.0108	1	12/02/2017 16:58	WG1048646
Benzene	U		0.000291	0.00108	1	12/02/2017 16:58	WG1048646
Bromobenzene	U		0.000306	0.00108	1	12/02/2017 16:58	WG1048646
Bromodichloromethane	U		0.000273	0.00108	1	12/02/2017 16:58	WG1048646
Bromochloromethane	U		0.000420	0.00538	1	12/02/2017 16:58	WG1048646
Bromoform	U		0.000456	0.00108	1	12/02/2017 16:58	WG1048646
Bromomethane	U		0.00144	0.00538	1	12/02/2017 16:58	WG1048646
n-Butylbenzene	U		0.000278	0.00108	1	12/02/2017 16:58	WG1048646
sec-Butylbenzene	U		0.000216	0.00108	1	12/02/2017 16:58	WG1048646
tert-Butylbenzene	U		0.000222	0.00108	1	12/02/2017 16:58	WG1048646
Carbon disulfide	U		0.000238	0.00108	1	12/02/2017 16:58	WG1048646
Carbon tetrachloride	U		0.000353	0.00108	1	12/02/2017 16:58	WG1048646
Chlorobenzene	U		0.000228	0.00108	1	12/02/2017 16:58	WG1048646
Chlorodibromomethane	U		0.000401	0.00108	1	12/02/2017 16:58	WG1048646
Chloroethane	0.00187	J	0.00102	0.00538	1	12/02/2017 16:58	WG1048646
Chloroform	U		0.000246	0.00538	1	12/02/2017 16:58	WG1048646
Chloromethane	U		0.000404	0.00269	1	12/02/2017 16:58	WG1048646
2-Chlorotoluene	U		0.000324	0.00108	1	12/02/2017 16:58	WG1048646
4-Chlorotoluene	U		0.000258	0.00108	1	12/02/2017 16:58	WG1048646
1,2-Dibromo-3-Chloropropane	U		0.00113	0.00538	1	12/02/2017 16:58	WG1048646
1,2-Dibromoethane	U	J4	0.000369	0.00108	1	12/02/2017 16:58	WG1048646
Dibromomethane	U		0.000411	0.00108	1	12/02/2017 16:58	WG1048646
1,2-Dichlorobenzene	U		0.000328	0.00108	1	12/02/2017 16:58	WG1048646
1,3-Dichlorobenzene	U		0.000257	0.00108	1	12/02/2017 16:58	WG1048646
1,4-Dichlorobenzene	U		0.000243	0.00108	1	12/02/2017 16:58	WG1048646
Dichlorodifluoromethane	U		0.000767	0.00538	1	12/02/2017 16:58	WG1048646
1,1-Dichloroethane	U		0.000214	0.00108	1	12/02/2017 16:58	WG1048646
1,2-Dichloroethane	U		0.000285	0.00108	1	12/02/2017 16:58	WG1048646
1,1-Dichloroethene	0.000595	J	0.000326	0.00108	1	12/02/2017 16:58	WG1048646
cis-1,2-Dichloroethene	0.112		0.000253	0.00108	1	12/02/2017 16:58	WG1048646
trans-1,2-Dichloroethene	0.000777	J	0.000284	0.00108	1	12/02/2017 16:58	WG1048646
1,2-Dichloropropane	U		0.000385	0.00108	1	12/02/2017 16:58	WG1048646
1,1-Dichloropropene	U		0.000341	0.00108	1	12/02/2017 16:58	WG1048646
1,3-Dichloropropane	U		0.000223	0.00108	1	12/02/2017 16:58	WG1048646
cis-1,3-Dichloropropene	U		0.000282	0.00108	1	12/02/2017 16:58	WG1048646
trans-1,3-Dichloropropene	U		0.000287	0.00108	1	12/02/2017 16:58	WG1048646
trans-1,4-Dichloro-2-butene	U		0.000837	0.00269	1	12/02/2017 16:58	WG1048646
2,2-Dichloropropane	U		0.000300	0.00108	1	12/02/2017 16:58	WG1048646
Di-isopropyl ether	U		0.000267	0.00108	1	12/02/2017 16:58	WG1048646
Ethylbenzene	U		0.000320	0.00108	1	12/02/2017 16:58	WG1048646
Hexachloro-1,3-butadiene	U		0.000368	0.00108	1	12/02/2017 16:58	WG1048646
2-Hexanone	U	J3	0.00147	0.0108	1	12/02/2017 16:58	WG1048646
n-Hexane	U		0.000312	0.0108	1	12/02/2017 16:58	WG1048646
Iodomethane	U		0.00272	0.0108	1	12/02/2017 16:58	WG1048646
Isopropylbenzene	U		0.000262	0.00108	1	12/02/2017 16:58	WG1048646
p-Isopropyltoluene	U		0.000220	0.00108	1	12/02/2017 16:58	WG1048646
2-Butanone (MEK)	U		0.00504	0.0108	1	12/02/2017 16:58	WG1048646
Methylene Chloride	U		0.00108	0.00538	1	12/02/2017 16:58	WG1048646
4-Methyl-2-pentanone (MIBK)	U		0.00202	0.0108	1	12/02/2017 16:58	WG1048646

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

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000228	0.00108	1	12/02/2017 16:58	WG1048646
Naphthalene	U		0.00108	0.00538	1	12/02/2017 16:58	WG1048646
n-Propylbenzene	U		0.000222	0.00108	1	12/02/2017 16:58	WG1048646
Styrene	U		0.000252	0.00108	1	12/02/2017 16:58	WG1048646
1,1,1,2-Tetrachloroethane	U		0.000284	0.00108	1	12/02/2017 16:58	WG1048646
1,1,2,2-Tetrachloroethane	U		0.000393	0.00108	1	12/02/2017 16:58	WG1048646
1,1,2-Trichlorotrifluoroethane	U		0.000393	0.00108	1	12/02/2017 16:58	WG1048646
Tetrachloroethene	10.2		0.0297	0.108	100	12/05/2017 21:07	WG1048646
Toluene	U		0.000467	0.00538	1	12/02/2017 16:58	WG1048646
1,2,3-Trichlorobenzene	U		0.000329	0.00108	1	12/02/2017 16:58	WG1048646
1,2,4-Trichlorobenzene	U		0.000418	0.00108	1	12/02/2017 16:58	WG1048646
1,1,1-Trichloroethane	U		0.000308	0.00108	1	12/02/2017 16:58	WG1048646
1,1,2-Trichloroethane	U		0.000298	0.00108	1	12/02/2017 16:58	WG1048646
Trichloroethene	0.0775		0.000300	0.00108	1	12/02/2017 16:58	WG1048646
Trichlorofluoromethane	U		0.000411	0.00538	1	12/02/2017 16:58	WG1048646
1,2,3-Trichloropropane	U		0.000798	0.00269	1	12/02/2017 16:58	WG1048646
1,2,4-Trimethylbenzene	U		0.000227	0.00108	1	12/02/2017 16:58	WG1048646
1,2,3-Trimethylbenzene	U		0.000309	0.00108	1	12/02/2017 16:58	WG1048646
1,3,5-Trimethylbenzene	U		0.000286	0.00108	1	12/02/2017 16:58	WG1048646
Vinyl acetate	U		0.00257	0.0108	1	12/02/2017 16:58	WG1048646
Vinyl chloride	0.0127		0.000313	0.00108	1	12/02/2017 16:58	WG1048646
Xylenes, Total	U		0.000751	0.00323	1	12/02/2017 16:58	WG1048646
(S) Toluene-d8	*101*			*80.0-120*		*12/02/2017 16:58*	WG1048646
(S) Toluene-d8	*99.6*			*80.0-120*		*12/05/2017 21:07*	WG1048646
(S) Dibromofluoromethane	*99.4*			*74.0-131*		*12/02/2017 16:58*	WG1048646
(S) Dibromofluoromethane	*98.3*			*74.0-131*		*12/05/2017 21:07*	WG1048646
(S) 4-Bromofluorobenzene	*90.2*			*64.0-132*		*12/02/2017 16:58*	WG1048646
(S) 4-Bromofluorobenzene	*99.3*			*64.0-132*		*12/05/2017 21:07*	WG1048646

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	90.1		1	12/05/2017 14:02	WG1049601

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0111	0.0555	1	12/02/2017 17:18	WG1048646
Acrylonitrile	U		0.00199	0.0111	1	12/02/2017 17:18	WG1048646
Benzene	U		0.000300	0.00111	1	12/02/2017 17:18	WG1048646
Bromobenzene	U		0.000315	0.00111	1	12/02/2017 17:18	WG1048646
Bromodichloromethane	U		0.000282	0.00111	1	12/02/2017 17:18	WG1048646
Bromochloromethane	U		0.000433	0.00555	1	12/02/2017 17:18	WG1048646
Bromoform	U		0.000471	0.00111	1	12/02/2017 17:18	WG1048646
Bromomethane	U		0.00149	0.00555	1	12/02/2017 17:18	WG1048646
n-Butylbenzene	U		0.000286	0.00111	1	12/02/2017 17:18	WG1048646
sec-Butylbenzene	U		0.000223	0.00111	1	12/02/2017 17:18	WG1048646
tert-Butylbenzene	U		0.000229	0.00111	1	12/02/2017 17:18	WG1048646
Carbon disulfide	U		0.000245	0.00111	1	12/02/2017 17:18	WG1048646
Carbon tetrachloride	U		0.000364	0.00111	1	12/02/2017 17:18	WG1048646
Chlorobenzene	U		0.000235	0.00111	1	12/02/2017 17:18	WG1048646
Chlorodibromomethane	U		0.000414	0.00111	1	12/02/2017 17:18	WG1048646
Chloroethane	U		0.00105	0.00555	1	12/02/2017 17:18	WG1048646
Chloroform	U		0.000254	0.00555	1	12/02/2017 17:18	WG1048646
Chloromethane	U		0.000416	0.00278	1	12/02/2017 17:18	WG1048646
2-Chlorotoluene	U		0.000334	0.00111	1	12/02/2017 17:18	WG1048646
4-Chlorotoluene	U		0.000266	0.00111	1	12/02/2017 17:18	WG1048646
1,2-Dibromo-3-Chloropropane	U		0.00117	0.00555	1	12/02/2017 17:18	WG1048646
1,2-Dibromoethane	U	J4	0.000381	0.00111	1	12/02/2017 17:18	WG1048646
Dibromomethane	U		0.000424	0.00111	1	12/02/2017 17:18	WG1048646
1,2-Dichlorobenzene	U		0.000339	0.00111	1	12/02/2017 17:18	WG1048646
1,3-Dichlorobenzene	U		0.000265	0.00111	1	12/02/2017 17:18	WG1048646
1,4-Dichlorobenzene	U		0.000251	0.00111	1	12/02/2017 17:18	WG1048646
Dichlorodifluoromethane	U		0.000792	0.00555	1	12/02/2017 17:18	WG1048646
1,1-Dichloroethane	U		0.000221	0.00111	1	12/02/2017 17:18	WG1048646
1,2-Dichloroethane	U		0.000294	0.00111	1	12/02/2017 17:18	WG1048646
1,1-Dichloroethene	0.000822	J	0.000336	0.00111	1	12/02/2017 17:18	WG1048646
cis-1,2-Dichloroethene	0.121		0.000261	0.00111	1	12/02/2017 17:18	WG1048646
trans-1,2-Dichloroethene	0.000614	J	0.000293	0.00111	1	12/02/2017 17:18	WG1048646
1,2-Dichloropropane	U		0.000397	0.00111	1	12/02/2017 17:18	WG1048646
1,1-Dichloropropene	U		0.000352	0.00111	1	12/02/2017 17:18	WG1048646
1,3-Dichloropropane	U		0.000230	0.00111	1	12/02/2017 17:18	WG1048646
cis-1,3-Dichloropropene	U		0.000291	0.00111	1	12/02/2017 17:18	WG1048646
trans-1,3-Dichloropropene	U		0.000296	0.00111	1	12/02/2017 17:18	WG1048646
trans-1,4-Dichloro-2-butene	U		0.000864	0.00278	1	12/02/2017 17:18	WG1048646
2,2-Dichloropropane	U		0.000310	0.00111	1	12/02/2017 17:18	WG1048646
Di-isopropyl ether	U		0.000275	0.00111	1	12/02/2017 17:18	WG1048646
Ethylbenzene	U		0.000330	0.00111	1	12/02/2017 17:18	WG1048646
Hexachloro-1,3-butadiene	U		0.000380	0.00111	1	12/02/2017 17:18	WG1048646
2-Hexanone	U	J3	0.00152	0.0111	1	12/02/2017 17:18	WG1048646
n-Hexane	U		0.000322	0.0111	1	12/02/2017 17:18	WG1048646
Iodomethane	U		0.00281	0.0111	1	12/02/2017 17:18	WG1048646
Isopropylbenzene	U		0.000270	0.00111	1	12/02/2017 17:18	WG1048646
p-Isopropyltoluene	U		0.000227	0.00111	1	12/02/2017 17:18	WG1048646
2-Butanone (MEK)	U		0.00520	0.0111	1	12/02/2017 17:18	WG1048646
Methylene Chloride	U		0.00111	0.00555	1	12/02/2017 17:18	WG1048646
4-Methyl-2-pentanone (MIBK)	U		0.00209	0.0111	1	12/02/2017 17:18	WG1048646

B-228-31

Collected date/time: 11/29/17 09:40

SAMPLE RESULTS - 14

L954448

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000235	0.00111	1	12/02/2017 17:18	WG1048646
Naphthalene	U		0.00111	0.00555	1	12/02/2017 17:18	WG1048646
n-Propylbenzene	U		0.000229	0.00111	1	12/02/2017 17:18	WG1048646
Styrene	U		0.000260	0.00111	1	12/02/2017 17:18	WG1048646
1,1,1,2-Tetrachloroethane	U		0.000293	0.00111	1	12/02/2017 17:18	WG1048646
1,1,2,2-Tetrachloroethane	U		0.000405	0.00111	1	12/02/2017 17:18	WG1048646
1,1,2-Trichlorotrifluoroethane	U		0.000405	0.00111	1	12/02/2017 17:18	WG1048646
Tetrachloroethene	1.60		0.00766	0.0278	25	12/05/2017 17:14	WG1048646
Toluene	U		0.000482	0.00555	1	12/02/2017 17:18	WG1048646
1,2,3-Trichlorobenzene	U		0.000340	0.00111	1	12/02/2017 17:18	WG1048646
1,2,4-Trichlorobenzene	U		0.000431	0.00111	1	12/02/2017 17:18	WG1048646
1,1,1-Trichloroethane	U		0.000318	0.00111	1	12/02/2017 17:18	WG1048646
1,1,2-Trichloroethane	U		0.000308	0.00111	1	12/02/2017 17:18	WG1048646
Trichloroethene	0.0786		0.000310	0.00111	1	12/02/2017 17:18	WG1048646
Trichlorofluoromethane	U		0.000424	0.00555	1	12/02/2017 17:18	WG1048646
1,2,3-Trichloropropane	U		0.000823	0.00278	1	12/02/2017 17:18	WG1048646
1,2,4-Trimethylbenzene	U		0.000234	0.00111	1	12/02/2017 17:18	WG1048646
1,2,3-Trimethylbenzene	U		0.000319	0.00111	1	12/02/2017 17:18	WG1048646
1,3,5-Trimethylbenzene	U		0.000295	0.00111	1	12/02/2017 17:18	WG1048646
Vinyl acetate	U		0.00265	0.0111	1	12/02/2017 17:18	WG1048646
Vinyl chloride	0.0103		0.000323	0.00111	1	12/02/2017 17:18	WG1048646
Xylenes, Total	U		0.000775	0.00333	1	12/02/2017 17:18	WG1048646
(S) Toluene-d8	*99.1*			*80.0-120*		*12/02/2017 17:18*	WG1048646
(S) Toluene-d8	*102*			*80.0-120*		*12/05/2017 17:14*	WG1048646
(S) Dibromofluoromethane	*98.0*			*74.0-131*		*12/05/2017 17:14*	WG1048646
(S) Dibromofluoromethane	*101*			*74.0-131*		*12/02/2017 17:18*	WG1048646
(S) 4-Bromofluorobenzene	*99.0*			*64.0-132*		*12/05/2017 17:14*	WG1048646
(S) 4-Bromofluorobenzene	*89.4*			*64.0-132*		*12/02/2017 17:18*	WG1048646

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	88.5		1	12/05/2017 14:02	WG1049601

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0565	1	12/02/2017 18:10	WG1048646
Acrylonitrile	U		0.00202	0.0113	1	12/02/2017 18:10	WG1048646
Benzene	U		0.000305	0.00113	1	12/02/2017 18:10	WG1048646
Bromobenzene	U		0.000321	0.00113	1	12/02/2017 18:10	WG1048646
Bromodichloromethane	U		0.000287	0.00113	1	12/02/2017 18:10	WG1048646
Bromochloromethane	U		0.000441	0.00565	1	12/02/2017 18:10	WG1048646
Bromoform	U		0.000479	0.00113	1	12/02/2017 18:10	WG1048646
Bromomethane	U		0.00151	0.00565	1	12/02/2017 18:10	WG1048646
n-Butylbenzene	U		0.000291	0.00113	1	12/02/2017 18:10	WG1048646
sec-Butylbenzene	U		0.000227	0.00113	1	12/02/2017 18:10	WG1048646
tert-Butylbenzene	U		0.000233	0.00113	1	12/02/2017 18:10	WG1048646
Carbon disulfide	U		0.000250	0.00113	1	12/02/2017 18:10	WG1048646
Carbon tetrachloride	U		0.000371	0.00113	1	12/02/2017 18:10	WG1048646
Chlorobenzene	U		0.000239	0.00113	1	12/02/2017 18:10	WG1048646
Chlorodibromomethane	U		0.000421	0.00113	1	12/02/2017 18:10	WG1048646
Chloroethane	U		0.00107	0.00565	1	12/02/2017 18:10	WG1048646
Chloroform	U		0.000259	0.00565	1	12/02/2017 18:10	WG1048646
Chloromethane	U		0.000424	0.00282	1	12/02/2017 18:10	WG1048646
2-Chlorotoluene	U		0.000340	0.00113	1	12/02/2017 18:10	WG1048646
4-Chlorotoluene	U		0.000271	0.00113	1	12/02/2017 18:10	WG1048646
1,2-Dibromo-3-Chloropropane	U		0.00119	0.00565	1	12/02/2017 18:10	WG1048646
1,2-Dibromoethane	U	J4	0.000387	0.00113	1	12/02/2017 18:10	WG1048646
Dibromomethane	U		0.000432	0.00113	1	12/02/2017 18:10	WG1048646
1,2-Dichlorobenzene	U		0.000345	0.00113	1	12/02/2017 18:10	WG1048646
1,3-Dichlorobenzene	U		0.000270	0.00113	1	12/02/2017 18:10	WG1048646
1,4-Dichlorobenzene	U		0.000255	0.00113	1	12/02/2017 18:10	WG1048646
Dichlorodifluoromethane	U		0.000805	0.00565	1	12/02/2017 18:10	WG1048646
1,1-Dichloroethane	U		0.000225	0.00113	1	12/02/2017 18:10	WG1048646
1,2-Dichloroethane	U		0.000299	0.00113	1	12/02/2017 18:10	WG1048646
1,1-Dichloroethene	0.00205		0.000342	0.00113	1	12/02/2017 18:10	WG1048646
cis-1,2-Dichloroethene	0.0648		0.000265	0.00113	1	12/02/2017 18:10	WG1048646
trans-1,2-Dichloroethene	0.000603	J	0.000298	0.00113	1	12/02/2017 18:10	WG1048646
1,2-Dichloropropane	U		0.000404	0.00113	1	12/02/2017 18:10	WG1048646
1,1-Dichloropropene	U		0.000358	0.00113	1	12/02/2017 18:10	WG1048646
1,3-Dichloropropane	U		0.000234	0.00113	1	12/02/2017 18:10	WG1048646
cis-1,3-Dichloropropene	U		0.000296	0.00113	1	12/02/2017 18:10	WG1048646
trans-1,3-Dichloropropene	U		0.000302	0.00113	1	12/02/2017 18:10	WG1048646
trans-1,4-Dichloro-2-butene	U		0.000879	0.00282	1	12/02/2017 18:10	WG1048646
2,2-Dichloropropane	U		0.000315	0.00113	1	12/02/2017 18:10	WG1048646
Di-isopropyl ether	U		0.000280	0.00113	1	12/02/2017 18:10	WG1048646
Ethylbenzene	U		0.000336	0.00113	1	12/02/2017 18:10	WG1048646
Hexachloro-1,3-butadiene	U		0.000386	0.00113	1	12/02/2017 18:10	WG1048646
2-Hexanone	U	J3	0.00155	0.0113	1	12/02/2017 18:10	WG1048646
n-Hexane	U		0.000328	0.0113	1	12/02/2017 18:10	WG1048646
Iodomethane	U		0.00286	0.0113	1	12/02/2017 18:10	WG1048646
Isopropylbenzene	U		0.000275	0.00113	1	12/02/2017 18:10	WG1048646
p-Isopropyltoluene	U		0.000230	0.00113	1	12/02/2017 18:10	WG1048646
2-Butanone (MEK)	U		0.00529	0.0113	1	12/02/2017 18:10	WG1048646
Methylene Chloride	U		0.00113	0.00565	1	12/02/2017 18:10	WG1048646
4-Methyl-2-pentanone (MIBK)	U		0.00212	0.0113	1	12/02/2017 18:10	WG1048646

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

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000239	0.00113	1	12/02/2017 18:10	WG1048646
Naphthalene	U		0.00113	0.00565	1	12/02/2017 18:10	WG1048646
n-Propylbenzene	U		0.000233	0.00113	1	12/02/2017 18:10	WG1048646
Styrene	U		0.000264	0.00113	1	12/02/2017 18:10	WG1048646
1,1,1,2-Tetrachloroethane	U		0.000298	0.00113	1	12/02/2017 18:10	WG1048646
1,1,2,2-Tetrachloroethane	U		0.000412	0.00113	1	12/02/2017 18:10	WG1048646
1,1,2-Trichlorotrifluoroethane	U		0.000412	0.00113	1	12/02/2017 18:10	WG1048646
Tetrachloroethene	0.101	J0	0.000312	0.00113	1	12/02/2017 18:10	WG1048646
Toluene	U		0.000490	0.00565	1	12/02/2017 18:10	WG1048646
1,2,3-Trichlorobenzene	U		0.000346	0.00113	1	12/02/2017 18:10	WG1048646
1,2,4-Trichlorobenzene	U		0.000438	0.00113	1	12/02/2017 18:10	WG1048646
1,1,1-Trichloroethane	U		0.000323	0.00113	1	12/02/2017 18:10	WG1048646
1,1,2-Trichloroethane	U		0.000313	0.00113	1	12/02/2017 18:10	WG1048646
Trichloroethene	0.0486		0.000315	0.00113	1	12/02/2017 18:10	WG1048646
Trichlorofluoromethane	U		0.000432	0.00565	1	12/02/2017 18:10	WG1048646
1,2,3-Trichloropropane	U		0.000837	0.00282	1	12/02/2017 18:10	WG1048646
1,2,4-Trimethylbenzene	U		0.000238	0.00113	1	12/02/2017 18:10	WG1048646
1,2,3-Trimethylbenzene	U		0.000324	0.00113	1	12/02/2017 18:10	WG1048646
1,3,5-Trimethylbenzene	U		0.000300	0.00113	1	12/02/2017 18:10	WG1048646
Vinyl acetate	U		0.00270	0.0113	1	12/02/2017 18:10	WG1048646
Vinyl chloride	0.0217		0.000329	0.00113	1	12/02/2017 18:10	WG1048646
Xylenes, Total	U		0.000789	0.00339	1	12/02/2017 18:10	WG1048646
(S) Toluene-d8	*98.9*			*80.0-120*		*12/02/2017 18:10*	WG1048646
(S) Dibromofluoromethane	*105*			*74.0-131*		*12/02/2017 18:10*	WG1048646
(S) 4-Bromofluorobenzene	*88.8*			*64.0-132*		*12/02/2017 18:10*	WG1048646

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

Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch
Analyte	%			date / time	
Total Solids	68.3		1	12/05/2017 14:02	WG1049601

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

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0146	0.0732	1	12/02/2017 18:30	WG1048646
Acrylonitrile	U		0.00262	0.0146	1	12/02/2017 18:30	WG1048646
Benzene	U		0.000395	0.00146	1	12/02/2017 18:30	WG1048646
Bromobenzene	U		0.000416	0.00146	1	12/02/2017 18:30	WG1048646
Bromodichloromethane	U		0.000372	0.00146	1	12/02/2017 18:30	WG1048646
Bromochloromethane	U		0.000571	0.00732	1	12/02/2017 18:30	WG1048646
Bromoform	U		0.000620	0.00146	1	12/02/2017 18:30	WG1048646
Bromomethane	U		0.00196	0.00732	1	12/02/2017 18:30	WG1048646
n-Butylbenzene	U		0.000378	0.00146	1	12/02/2017 18:30	WG1048646
sec-Butylbenzene	U		0.000294	0.00146	1	12/02/2017 18:30	WG1048646
tert-Butylbenzene	U		0.000301	0.00146	1	12/02/2017 18:30	WG1048646
Carbon disulfide	U		0.000323	0.00146	1	12/02/2017 18:30	WG1048646
Carbon tetrachloride	U		0.000480	0.00146	1	12/02/2017 18:30	WG1048646
Chlorobenzene	U		0.000310	0.00146	1	12/02/2017 18:30	WG1048646
Chlorodibromomethane	U		0.000546	0.00146	1	12/02/2017 18:30	WG1048646
Chloroethane	U		0.00138	0.00732	1	12/02/2017 18:30	WG1048646
Chloroform	0.00195	J	0.000335	0.00732	1	12/02/2017 18:30	WG1048646
Chloromethane	U		0.000549	0.00366	1	12/02/2017 18:30	WG1048646
2-Chlorotoluene	U		0.000440	0.00146	1	12/02/2017 18:30	WG1048646
4-Chlorotoluene	U		0.000351	0.00146	1	12/02/2017 18:30	WG1048646
1,2-Dibromo-3-Chloropropane	U		0.00154	0.00732	1	12/02/2017 18:30	WG1048646
1,2-Dibromoethane	U	J4	0.000502	0.00146	1	12/02/2017 18:30	WG1048646
Dibromomethane	U		0.000559	0.00146	1	12/02/2017 18:30	WG1048646
1,2-Dichlorobenzene	U		0.000446	0.00146	1	12/02/2017 18:30	WG1048646
1,3-Dichlorobenzene	U		0.000350	0.00146	1	12/02/2017 18:30	WG1048646
1,4-Dichlorobenzene	U		0.000331	0.00146	1	12/02/2017 18:30	WG1048646
Dichlorodifluoromethane	U		0.00104	0.00732	1	12/02/2017 18:30	WG1048646
1,1-Dichloroethane	U		0.000291	0.00146	1	12/02/2017 18:30	WG1048646
1,2-Dichloroethane	U		0.000388	0.00146	1	12/02/2017 18:30	WG1048646
1,1-Dichloroethene	U		0.000443	0.00146	1	12/02/2017 18:30	WG1048646
cis-1,2-Dichloroethene	0.0257		0.000344	0.00146	1	12/02/2017 18:30	WG1048646
trans-1,2-Dichloroethene	U		0.000386	0.00146	1	12/02/2017 18:30	WG1048646
1,2-Dichloropropane	U		0.000524	0.00146	1	12/02/2017 18:30	WG1048646
1,1-Dichloropropene	U		0.000464	0.00146	1	12/02/2017 18:30	WG1048646
1,3-Dichloropropane	U		0.000303	0.00146	1	12/02/2017 18:30	WG1048646
cis-1,3-Dichloropropene	U		0.000383	0.00146	1	12/02/2017 18:30	WG1048646
trans-1,3-Dichloropropene	U		0.000391	0.00146	1	12/02/2017 18:30	WG1048646
trans-1,4-Dichloro-2-butene	U		0.00114	0.00366	1	12/02/2017 18:30	WG1048646
2,2-Dichloropropane	U		0.000408	0.00146	1	12/02/2017 18:30	WG1048646
Di-isopropyl ether	U		0.000363	0.00146	1	12/02/2017 18:30	WG1048646
Ethylbenzene	U		0.000435	0.00146	1	12/02/2017 18:30	WG1048646
Hexachloro-1,3-butadiene	U		0.000500	0.00146	1	12/02/2017 18:30	WG1048646
2-Hexanone	U	J3	0.00200	0.0146	1	12/02/2017 18:30	WG1048646
n-Hexane	U		0.000424	0.0146	1	12/02/2017 18:30	WG1048646
Iodomethane	U		0.00370	0.0146	1	12/02/2017 18:30	WG1048646
Isopropylbenzene	U		0.000356	0.00146	1	12/02/2017 18:30	WG1048646
p-Isopropyltoluene	U		0.000299	0.00146	1	12/02/2017 18:30	WG1048646
2-Butanone (MEK)	U		0.00685	0.0146	1	12/02/2017 18:30	WG1048646
Methylene Chloride	U		0.00146	0.00732	1	12/02/2017 18:30	WG1048646
4-Methyl-2-pentanone (MIBK)	U		0.00275	0.0146	1	12/02/2017 18:30	WG1048646

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000310	0.00146	1	12/02/2017 18:30	WG1048646
Naphthalene	U		0.00146	0.00732	1	12/02/2017 18:30	WG1048646
n-Propylbenzene	U		0.000301	0.00146	1	12/02/2017 18:30	WG1048646
Styrene	U		0.000342	0.00146	1	12/02/2017 18:30	WG1048646
1,1,1,2-Tetrachloroethane	U		0.000386	0.00146	1	12/02/2017 18:30	WG1048646
1,1,2,2-Tetrachloroethane	U		0.000534	0.00146	1	12/02/2017 18:30	WG1048646
1,1,2-Trichlorotrifluoroethane	U		0.000534	0.00146	1	12/02/2017 18:30	WG1048646
Tetrachloroethene	0.769		0.0101	0.0366	25	12/05/2017 17:37	WG1048646
Toluene	U		0.000635	0.00732	1	12/02/2017 18:30	WG1048646
1,2,3-Trichlorobenzene	U		0.000448	0.00146	1	12/02/2017 18:30	WG1048646
1,2,4-Trichlorobenzene	U		0.000568	0.00146	1	12/02/2017 18:30	WG1048646
1,1,1-Trichloroethane	U		0.000419	0.00146	1	12/02/2017 18:30	WG1048646
1,1,2-Trichloroethane	U		0.000405	0.00146	1	12/02/2017 18:30	WG1048646
Trichloroethene	0.0382		0.000408	0.00146	1	12/02/2017 18:30	WG1048646
Trichlorofluoromethane	U		0.000559	0.00732	1	12/02/2017 18:30	WG1048646
1,2,3-Trichloropropane	U		0.00108	0.00366	1	12/02/2017 18:30	WG1048646
1,2,4-Trimethylbenzene	U		0.000309	0.00146	1	12/02/2017 18:30	WG1048646
1,2,3-Trimethylbenzene	U		0.000420	0.00146	1	12/02/2017 18:30	WG1048646
1,3,5-Trimethylbenzene	U		0.000389	0.00146	1	12/02/2017 18:30	WG1048646
Vinyl acetate	U		0.00350	0.0146	1	12/02/2017 18:30	WG1048646
Vinyl chloride	U		0.000426	0.00146	1	12/02/2017 18:30	WG1048646
Xylenes, Total	U		0.00102	0.00439	1	12/02/2017 18:30	WG1048646
(S) Toluene-d8	*96.7*			*80.0-120*		*12/02/2017 18:30*	WG1048646
(S) Toluene-d8	*100*			*80.0-120*		*12/05/2017 17:37*	WG1048646
(S) Dibromofluoromethane	*106*			*74.0-131*		*12/02/2017 18:30*	WG1048646
(S) Dibromofluoromethane	*96.8*			*74.0-131*		*12/05/2017 17:37*	WG1048646
(S) 4-Bromofluorobenzene	*99.3*			*64.0-132*		*12/05/2017 17:37*	WG1048646
(S) 4-Bromofluorobenzene	*89.0*			*64.0-132*		*12/02/2017 18:30*	WG1048646

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

B-229-11

Collected date/time: 11/29/17 12:45

SAMPLE RESULTS - 17

L954448

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

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	70.4		1	12/05/2017 14:02	WG1049601

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0142	0.0710	1	12/02/2017 18:50	WG1048646
Acrylonitrile	U		0.00254	0.0142	1	12/02/2017 18:50	WG1048646
Benzene	U		0.000383	0.00142	1	12/02/2017 18:50	WG1048646
Bromobenzene	U		0.000403	0.00142	1	12/02/2017 18:50	WG1048646
Bromodichloromethane	U		0.000361	0.00142	1	12/02/2017 18:50	WG1048646
Bromochloromethane	U		0.000554	0.00710	1	12/02/2017 18:50	WG1048646
Bromoform	U		0.000602	0.00142	1	12/02/2017 18:50	WG1048646
Bromomethane	U		0.00190	0.00710	1	12/02/2017 18:50	WG1048646
n-Butylbenzene	U		0.000366	0.00142	1	12/02/2017 18:50	WG1048646
sec-Butylbenzene	U		0.000285	0.00142	1	12/02/2017 18:50	WG1048646
tert-Butylbenzene	U		0.000292	0.00142	1	12/02/2017 18:50	WG1048646
Carbon disulfide	0.00210		0.000314	0.00142	1	12/02/2017 18:50	WG1048646
Carbon tetrachloride	U		0.000466	0.00142	1	12/02/2017 18:50	WG1048646
Chlorobenzene	U		0.000301	0.00142	1	12/02/2017 18:50	WG1048646
Chlorodibromomethane	U		0.000529	0.00142	1	12/02/2017 18:50	WG1048646
Chloroethane	U		0.00134	0.00710	1	12/02/2017 18:50	WG1048646
Chloroform	U		0.000325	0.00710	1	12/02/2017 18:50	WG1048646
Chloromethane	U		0.000532	0.00355	1	12/02/2017 18:50	WG1048646
2-Chlorotoluene	U		0.000427	0.00142	1	12/02/2017 18:50	WG1048646
4-Chlorotoluene	U		0.000341	0.00142	1	12/02/2017 18:50	WG1048646
1,2-Dibromo-3-Chloropropane	U		0.00149	0.00710	1	12/02/2017 18:50	WG1048646
1,2-Dibromoethane	U	J4	0.000487	0.00142	1	12/02/2017 18:50	WG1048646
Dibromomethane	U		0.000542	0.00142	1	12/02/2017 18:50	WG1048646
1,2-Dichlorobenzene	U		0.000433	0.00142	1	12/02/2017 18:50	WG1048646
1,3-Dichlorobenzene	U		0.000339	0.00142	1	12/02/2017 18:50	WG1048646
1,4-Dichlorobenzene	U		0.000321	0.00142	1	12/02/2017 18:50	WG1048646
Dichlorodifluoromethane	U		0.00101	0.00710	1	12/02/2017 18:50	WG1048646
1,1-Dichloroethane	U		0.000282	0.00142	1	12/02/2017 18:50	WG1048646
1,2-Dichloroethane	U		0.000376	0.00142	1	12/02/2017 18:50	WG1048646
1,1-Dichloroethene	U		0.000430	0.00142	1	12/02/2017 18:50	WG1048646
cis-1,2-Dichloroethene	0.118		0.000334	0.00142	1	12/02/2017 18:50	WG1048646
trans-1,2-Dichloroethene	0.00148		0.000375	0.00142	1	12/02/2017 18:50	WG1048646
1,2-Dichloropropane	U		0.000508	0.00142	1	12/02/2017 18:50	WG1048646
1,1-Dichloropropene	U		0.000450	0.00142	1	12/02/2017 18:50	WG1048646
1,3-Dichloropropane	U		0.000294	0.00142	1	12/02/2017 18:50	WG1048646
cis-1,3-Dichloropropene	U		0.000372	0.00142	1	12/02/2017 18:50	WG1048646
trans-1,3-Dichloropropene	U		0.000379	0.00142	1	12/02/2017 18:50	WG1048646
trans-1,4-Dichloro-2-butene	U		0.00110	0.00355	1	12/02/2017 18:50	WG1048646
2,2-Dichloropropane	U		0.000396	0.00142	1	12/02/2017 18:50	WG1048646
Di-isopropyl ether	U		0.000352	0.00142	1	12/02/2017 18:50	WG1048646
Ethylbenzene	U		0.000422	0.00142	1	12/02/2017 18:50	WG1048646
Hexachloro-1,3-butadiene	U		0.000485	0.00142	1	12/02/2017 18:50	WG1048646
2-Hexanone	U	J3	0.00194	0.0142	1	12/02/2017 18:50	WG1048646
n-Hexane	U		0.000412	0.0142	1	12/02/2017 18:50	WG1048646
Iodomethane	U		0.00359	0.0142	1	12/02/2017 18:50	WG1048646
Isopropylbenzene	U		0.000345	0.00142	1	12/02/2017 18:50	WG1048646
p-Isopropyltoluene	U		0.000290	0.00142	1	12/02/2017 18:50	WG1048646
2-Butanone (MEK)	U		0.00664	0.0142	1	12/02/2017 18:50	WG1048646
Methylene Chloride	U		0.00142	0.00710	1	12/02/2017 18:50	WG1048646
4-Methyl-2-pentanone (MIBK)	U		0.00267	0.0142	1	12/02/2017 18:50	WG1048646

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000301	0.00142	1	12/02/2017 18:50	WG1048646
Naphthalene	U		0.00142	0.00710	1	12/02/2017 18:50	WG1048646
n-Propylbenzene	U		0.000292	0.00142	1	12/02/2017 18:50	WG1048646
Styrene	U		0.000332	0.00142	1	12/02/2017 18:50	WG1048646
1,1,1,2-Tetrachloroethane	U		0.000375	0.00142	1	12/02/2017 18:50	WG1048646
1,1,2,2-Tetrachloroethane	U		0.000518	0.00142	1	12/02/2017 18:50	WG1048646
1,1,2-Trichlorotrifluoroethane	U		0.000518	0.00142	1	12/02/2017 18:50	WG1048646
Tetrachloroethene	0.0366	J0	0.000392	0.00142	1	12/02/2017 18:50	WG1048646
Toluene	0.00219	J	0.000616	0.00710	1	12/02/2017 18:50	WG1048646
1,2,3-Trichlorobenzene	U		0.000434	0.00142	1	12/02/2017 18:50	WG1048646
1,2,4-Trichlorobenzene	U		0.000551	0.00142	1	12/02/2017 18:50	WG1048646
1,1,1-Trichloroethane	U		0.000406	0.00142	1	12/02/2017 18:50	WG1048646
1,1,2-Trichloroethane	U		0.000393	0.00142	1	12/02/2017 18:50	WG1048646
Trichloroethene	0.00585		0.000396	0.00142	1	12/02/2017 18:50	WG1048646
Trichlorofluoromethane	U		0.000542	0.00710	1	12/02/2017 18:50	WG1048646
1,2,3-Trichloropropane	U		0.00105	0.00355	1	12/02/2017 18:50	WG1048646
1,2,4-Trimethylbenzene	U		0.000300	0.00142	1	12/02/2017 18:50	WG1048646
1,2,3-Trimethylbenzene	U		0.000407	0.00142	1	12/02/2017 18:50	WG1048646
1,3,5-Trimethylbenzene	U		0.000378	0.00142	1	12/02/2017 18:50	WG1048646
Vinyl acetate	U		0.00339	0.0142	1	12/02/2017 18:50	WG1048646
Vinyl chloride	0.0272		0.000413	0.00142	1	12/02/2017 18:50	WG1048646
Xylenes, Total	U		0.000991	0.00426	1	12/02/2017 18:50	WG1048646
(S) Toluene-d8	*99.1*			*80.0-120*		*12/02/2017 18:50*	WG1048646
(S) Dibromofluoromethane	*106*			*74.0-131*		*12/02/2017 18:50*	WG1048646
(S) 4-Bromofluorobenzene	*92.2*			*64.0-132*		*12/02/2017 18:50*	WG1048646

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

Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch
Analyte	%			date / time	
Total Solids	83.9		1	12/05/2017 14:02	WG1049601

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

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0119	0.0596	1	12/05/2017 15:06	WG1048646
Acrylonitrile	U		0.00213	0.0119	1	12/05/2017 15:06	WG1048646
Benzene	0.000388	J	0.000322	0.00119	1	12/05/2017 15:06	WG1048646
Bromobenzene	U		0.000339	0.00119	1	12/05/2017 15:06	WG1048646
Bromodichloromethane	U		0.000303	0.00119	1	12/05/2017 15:06	WG1048646
Bromochloromethane	U		0.000465	0.00596	1	12/05/2017 15:06	WG1048646
Bromoform	U		0.000505	0.00119	1	12/05/2017 15:06	WG1048646
Bromomethane	U		0.00160	0.00596	1	12/05/2017 15:06	WG1048646
n-Butylbenzene	U		0.000308	0.00119	1	12/05/2017 15:06	WG1048646
sec-Butylbenzene	U		0.000240	0.00119	1	12/05/2017 15:06	WG1048646
tert-Butylbenzene	U		0.000246	0.00119	1	12/05/2017 15:06	WG1048646
Carbon disulfide	0.000547	J	0.000263	0.00119	1	12/05/2017 15:06	WG1048646
Carbon tetrachloride	U		0.000391	0.00119	1	12/05/2017 15:06	WG1048646
Chlorobenzene	U		0.000253	0.00119	1	12/05/2017 15:06	WG1048646
Chlorodibromomethane	U		0.000445	0.00119	1	12/05/2017 15:06	WG1048646
Chloroethane	U		0.00113	0.00596	1	12/05/2017 15:06	WG1048646
Chloroform	0.000291	J	0.000273	0.00596	1	12/05/2017 15:06	WG1048646
Chloromethane	U		0.000447	0.00298	1	12/05/2017 15:06	WG1048646
2-Chlorotoluene	U		0.000359	0.00119	1	12/05/2017 15:06	WG1048646
4-Chlorotoluene	U		0.000286	0.00119	1	12/05/2017 15:06	WG1048646
1,2-Dibromo-3-Chloropropane	U		0.00125	0.00596	1	12/05/2017 15:06	WG1048646
1,2-Dibromoethane	U	J4	0.000409	0.00119	1	12/05/2017 15:06	WG1048646
Dibromomethane	U		0.000455	0.00119	1	12/05/2017 15:06	WG1048646
1,2-Dichlorobenzene	U		0.000364	0.00119	1	12/05/2017 15:06	WG1048646
1,3-Dichlorobenzene	U		0.000285	0.00119	1	12/05/2017 15:06	WG1048646
1,4-Dichlorobenzene	U		0.000269	0.00119	1	12/05/2017 15:06	WG1048646
Dichlorodifluoromethane	U		0.000850	0.00596	1	12/05/2017 15:06	WG1048646
1,1-Dichloroethane	U		0.000237	0.00119	1	12/05/2017 15:06	WG1048646
1,2-Dichloroethane	U		0.000316	0.00119	1	12/05/2017 15:06	WG1048646
1,1-Dichloroethene	U		0.000361	0.00119	1	12/05/2017 15:06	WG1048646
cis-1,2-Dichloroethene	0.0188		0.000280	0.00119	1	12/05/2017 15:06	WG1048646
trans-1,2-Dichloroethene	0.000828	J	0.000315	0.00119	1	12/05/2017 15:06	WG1048646
1,2-Dichloropropane	U		0.000427	0.00119	1	12/05/2017 15:06	WG1048646
1,1-Dichloropropene	U		0.000378	0.00119	1	12/05/2017 15:06	WG1048646
1,3-Dichloropropane	U		0.000247	0.00119	1	12/05/2017 15:06	WG1048646
cis-1,3-Dichloropropene	U		0.000312	0.00119	1	12/05/2017 15:06	WG1048646
trans-1,3-Dichloropropene	U		0.000318	0.00119	1	12/05/2017 15:06	WG1048646
trans-1,4-Dichloro-2-butene	U		0.000927	0.00298	1	12/05/2017 15:06	WG1048646
2,2-Dichloropropane	U		0.000333	0.00119	1	12/05/2017 15:06	WG1048646
Di-isopropyl ether	U		0.000296	0.00119	1	12/05/2017 15:06	WG1048646
Ethylbenzene	U		0.000354	0.00119	1	12/05/2017 15:06	WG1048646
Hexachloro-1,3-butadiene	U		0.000408	0.00119	1	12/05/2017 15:06	WG1048646
2-Hexanone	U	J3	0.00163	0.0119	1	12/05/2017 15:06	WG1048646
n-Hexane	U		0.000346	0.0119	1	12/05/2017 15:06	WG1048646
Iodomethane	U		0.00302	0.0119	1	12/05/2017 15:06	WG1048646
Isopropylbenzene	U		0.000290	0.00119	1	12/05/2017 15:06	WG1048646
p-Isopropyltoluene	U		0.000243	0.00119	1	12/05/2017 15:06	WG1048646
2-Butanone (MEK)	U		0.00558	0.0119	1	12/05/2017 15:06	WG1048646
Methylene Chloride	U		0.00119	0.00596	1	12/05/2017 15:06	WG1048646
4-Methyl-2-pentanone (MIBK)	U		0.00224	0.0119	1	12/05/2017 15:06	WG1048646

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000253	0.00119	1	12/05/2017 15:06	WG1048646
Naphthalene	U		0.00119	0.00596	1	12/05/2017 15:06	WG1048646
n-Propylbenzene	U		0.000246	0.00119	1	12/05/2017 15:06	WG1048646
Styrene	U		0.000279	0.00119	1	12/05/2017 15:06	WG1048646
1,1,1,2-Tetrachloroethane	U		0.000315	0.00119	1	12/05/2017 15:06	WG1048646
1,1,2,2-Tetrachloroethane	U		0.000435	0.00119	1	12/05/2017 15:06	WG1048646
1,1,2-Trichlorotrifluoroethane	U		0.000435	0.00119	1	12/05/2017 15:06	WG1048646
Tetrachloroethene	0.101		0.000329	0.00119	1	12/05/2017 15:06	WG1048646
Toluene	U		0.000517	0.00596	1	12/05/2017 15:06	WG1048646
1,2,3-Trichlorobenzene	U		0.000365	0.00119	1	12/05/2017 15:06	WG1048646
1,2,4-Trichlorobenzene	U		0.000463	0.00119	1	12/05/2017 15:06	WG1048646
1,1,1-Trichloroethane	U		0.000341	0.00119	1	12/05/2017 15:06	WG1048646
1,1,2-Trichloroethane	U		0.000330	0.00119	1	12/05/2017 15:06	WG1048646
Trichloroethene	0.0138		0.000333	0.00119	1	12/05/2017 15:06	WG1048646
Trichlorofluoromethane	U		0.000455	0.00596	1	12/05/2017 15:06	WG1048646
1,2,3-Trichloropropane	U		0.000883	0.00298	1	12/05/2017 15:06	WG1048646
1,2,4-Trimethylbenzene	U		0.000252	0.00119	1	12/05/2017 15:06	WG1048646
1,2,3-Trimethylbenzene	U		0.000342	0.00119	1	12/05/2017 15:06	WG1048646
1,3,5-Trimethylbenzene	U		0.000317	0.00119	1	12/05/2017 15:06	WG1048646
Vinyl acetate	U		0.00285	0.0119	1	12/05/2017 15:06	WG1048646
Vinyl chloride	0.00481		0.000347	0.00119	1	12/05/2017 15:06	WG1048646
Xylenes, Total	U		0.000832	0.00358	1	12/05/2017 15:06	WG1048646
(S) Toluene-d8	*94.3*			*80.0-120*		*12/05/2017 15:06*	WG1048646
(S) Dibromofluoromethane	*103*			*74.0-131*		*12/05/2017 15:06*	WG1048646
(S) 4-Bromofluorobenzene	*104*			*64.0-132*		*12/05/2017 15:06*	WG1048646

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

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	91.2		1	12/05/2017 14:02	WG1049601

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0110	0.0548	1	12/02/2017 19:30	WG1048646
Acrylonitrile	U		0.00196	0.0110	1	12/02/2017 19:30	WG1048646
Benzene	U		0.000296	0.00110	1	12/02/2017 19:30	WG1048646
Bromobenzene	U		0.000311	0.00110	1	12/02/2017 19:30	WG1048646
Bromodichloromethane	U		0.000278	0.00110	1	12/02/2017 19:30	WG1048646
Bromochloromethane	U		0.000428	0.00548	1	12/02/2017 19:30	WG1048646
Bromoform	U		0.000465	0.00110	1	12/02/2017 19:30	WG1048646
Bromomethane	U		0.00147	0.00548	1	12/02/2017 19:30	WG1048646
n-Butylbenzene	U		0.000283	0.00110	1	12/02/2017 19:30	WG1048646
sec-Butylbenzene	U		0.000220	0.00110	1	12/02/2017 19:30	WG1048646
tert-Butylbenzene	U		0.000226	0.00110	1	12/02/2017 19:30	WG1048646
Carbon disulfide	U		0.000242	0.00110	1	12/02/2017 19:30	WG1048646
Carbon tetrachloride	U		0.000360	0.00110	1	12/02/2017 19:30	WG1048646
Chlorobenzene	U		0.000232	0.00110	1	12/02/2017 19:30	WG1048646
Chlorodibromomethane	U		0.000409	0.00110	1	12/02/2017 19:30	WG1048646
Chloroethane	0.00195	J	0.00104	0.00548	1	12/02/2017 19:30	WG1048646
Chloroform	U		0.000251	0.00548	1	12/02/2017 19:30	WG1048646
Chloromethane	U		0.000411	0.00274	1	12/02/2017 19:30	WG1048646
2-Chlorotoluene	U		0.000330	0.00110	1	12/02/2017 19:30	WG1048646
4-Chlorotoluene	U		0.000263	0.00110	1	12/02/2017 19:30	WG1048646
1,2-Dibromo-3-Chloropropane	U		0.00115	0.00548	1	12/02/2017 19:30	WG1048646
1,2-Dibromoethane	U	J4	0.000376	0.00110	1	12/02/2017 19:30	WG1048646
Dibromomethane	U		0.000419	0.00110	1	12/02/2017 19:30	WG1048646
1,2-Dichlorobenzene	U		0.000334	0.00110	1	12/02/2017 19:30	WG1048646
1,3-Dichlorobenzene	U		0.000262	0.00110	1	12/02/2017 19:30	WG1048646
1,4-Dichlorobenzene	U		0.000248	0.00110	1	12/02/2017 19:30	WG1048646
Dichlorodifluoromethane	U		0.000782	0.00548	1	12/02/2017 19:30	WG1048646
1,1-Dichloroethane	U		0.000218	0.00110	1	12/02/2017 19:30	WG1048646
1,2-Dichloroethane	U		0.000291	0.00110	1	12/02/2017 19:30	WG1048646
1,1-Dichloroethene	0.00243		0.000332	0.00110	1	12/02/2017 19:30	WG1048646
cis-1,2-Dichloroethene	0.865		0.0129	0.0548	50	12/05/2017 19:22	WG1048646
trans-1,2-Dichloroethene	0.00195		0.000289	0.00110	1	12/02/2017 19:30	WG1048646
1,2-Dichloropropane	U		0.000393	0.00110	1	12/02/2017 19:30	WG1048646
1,1-Dichloropropene	U		0.000348	0.00110	1	12/02/2017 19:30	WG1048646
1,3-Dichloropropane	U		0.000227	0.00110	1	12/02/2017 19:30	WG1048646
cis-1,3-Dichloropropene	U		0.000287	0.00110	1	12/02/2017 19:30	WG1048646
trans-1,3-Dichloropropene	U		0.000293	0.00110	1	12/02/2017 19:30	WG1048646
trans-1,4-Dichloro-2-butene	U		0.000853	0.00274	1	12/02/2017 19:30	WG1048646
2,2-Dichloropropane	U		0.000306	0.00110	1	12/02/2017 19:30	WG1048646
Di-isopropyl ether	U		0.000272	0.00110	1	12/02/2017 19:30	WG1048646
Ethylbenzene	U		0.000326	0.00110	1	12/02/2017 19:30	WG1048646
Hexachloro-1,3-butadiene	U		0.000375	0.00110	1	12/02/2017 19:30	WG1048646
2-Hexanone	U	J3	0.00150	0.0110	1	12/02/2017 19:30	WG1048646
n-Hexane	U		0.000318	0.0110	1	12/02/2017 19:30	WG1048646
Iodomethane	U		0.00277	0.0110	1	12/02/2017 19:30	WG1048646
Isopropylbenzene	U		0.000266	0.00110	1	12/02/2017 19:30	WG1048646
p-Isopropyltoluene	U		0.000224	0.00110	1	12/02/2017 19:30	WG1048646
2-Butanone (MEK)	U		0.00513	0.0110	1	12/02/2017 19:30	WG1048646
Methylene Chloride	U		0.00110	0.00548	1	12/02/2017 19:30	WG1048646
4-Methyl-2-pentanone (MIBK)	U		0.00206	0.0110	1	12/02/2017 19:30	WG1048646

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000232	0.00110	1	12/02/2017 19:30	WG1048646
Naphthalene	U		0.00110	0.00548	1	12/02/2017 19:30	WG1048646
n-Propylbenzene	U		0.000226	0.00110	1	12/02/2017 19:30	WG1048646
Styrene	U		0.000257	0.00110	1	12/02/2017 19:30	WG1048646
1,1,1,2-Tetrachloroethane	U		0.000289	0.00110	1	12/02/2017 19:30	WG1048646
1,1,2,2-Tetrachloroethane	U		0.000400	0.00110	1	12/02/2017 19:30	WG1048646
1,1,2-Trichlorotrifluoroethane	U		0.000400	0.00110	1	12/02/2017 19:30	WG1048646
Tetrachloroethene	2.50		0.0151	0.0548	50	12/05/2017 19:22	WG1048646
Toluene	U		0.000476	0.00548	1	12/02/2017 19:30	WG1048646
1,2,3-Trichlorobenzene	U		0.000336	0.00110	1	12/02/2017 19:30	WG1048646
1,2,4-Trichlorobenzene	U		0.000425	0.00110	1	12/02/2017 19:30	WG1048646
1,1,1-Trichloroethane	U		0.000314	0.00110	1	12/02/2017 19:30	WG1048646
1,1,2-Trichloroethane	U		0.000304	0.00110	1	12/02/2017 19:30	WG1048646
Trichloroethene	0.510		0.0154	0.0548	50	12/05/2017 19:22	WG1048646
Trichlorofluoromethane	U		0.000419	0.00548	1	12/02/2017 19:30	WG1048646
1,2,3-Trichloropropane	U		0.000812	0.00274	1	12/02/2017 19:30	WG1048646
1,2,4-Trimethylbenzene	U		0.000231	0.00110	1	12/02/2017 19:30	WG1048646
1,2,3-Trimethylbenzene	U		0.000315	0.00110	1	12/02/2017 19:30	WG1048646
1,3,5-Trimethylbenzene	U		0.000292	0.00110	1	12/02/2017 19:30	WG1048646
Vinyl acetate	U		0.00262	0.0110	1	12/02/2017 19:30	WG1048646
Vinyl chloride	0.0418		0.000319	0.00110	1	12/02/2017 19:30	WG1048646
Xylenes, Total	U		0.000765	0.00329	1	12/02/2017 19:30	WG1048646
(S) Toluene-d8	*100*			*80.0-120*		*12/02/2017 19:30*	WG1048646
(S) Toluene-d8	*101*			*80.0-120*		*12/05/2017 19:22*	WG1048646
(S) Dibromofluoromethane	*96.7*			*74.0-131*		*12/05/2017 19:22*	WG1048646
(S) Dibromofluoromethane	*101*			*74.0-131*		*12/02/2017 19:30*	WG1048646
(S) 4-Bromofluorobenzene	*89.9*			*64.0-132*		*12/02/2017 19:30*	WG1048646
(S) 4-Bromofluorobenzene	*99.1*			*64.0-132*		*12/05/2017 19:22*	WG1048646

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	82.9		1	12/05/2017 14:02	WG1049601

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0121	0.0603	1	12/02/2017 19:50	WG1048646
Acrylonitrile	U		0.00216	0.0121	1	12/02/2017 19:50	WG1048646
Benzene	U		0.000326	0.00121	1	12/02/2017 19:50	WG1048646
Bromobenzene	U		0.000343	0.00121	1	12/02/2017 19:50	WG1048646
Bromodichloromethane	U		0.000306	0.00121	1	12/02/2017 19:50	WG1048646
Bromochloromethane	U		0.000470	0.00603	1	12/02/2017 19:50	WG1048646
Bromoform	U		0.000511	0.00121	1	12/02/2017 19:50	WG1048646
Bromomethane	U		0.00162	0.00603	1	12/02/2017 19:50	WG1048646
n-Butylbenzene	U		0.000311	0.00121	1	12/02/2017 19:50	WG1048646
sec-Butylbenzene	U		0.000242	0.00121	1	12/02/2017 19:50	WG1048646
tert-Butylbenzene	U		0.000248	0.00121	1	12/02/2017 19:50	WG1048646
Carbon disulfide	U		0.000267	0.00121	1	12/02/2017 19:50	WG1048646
Carbon tetrachloride	U		0.000396	0.00121	1	12/02/2017 19:50	WG1048646
Chlorobenzene	U		0.000256	0.00121	1	12/02/2017 19:50	WG1048646
Chlorodibromomethane	U		0.000450	0.00121	1	12/02/2017 19:50	WG1048646
Chloroethane	U		0.00114	0.00603	1	12/02/2017 19:50	WG1048646
Chloroform	U		0.000276	0.00603	1	12/02/2017 19:50	WG1048646
Chloromethane	U		0.000452	0.00301	1	12/02/2017 19:50	WG1048646
2-Chlorotoluene	U		0.000363	0.00121	1	12/02/2017 19:50	WG1048646
4-Chlorotoluene	U		0.000289	0.00121	1	12/02/2017 19:50	WG1048646
1,2-Dibromo-3-Chloropropane	U		0.00127	0.00603	1	12/02/2017 19:50	WG1048646
1,2-Dibromoethane	U	J4	0.000414	0.00121	1	12/02/2017 19:50	WG1048646
Dibromomethane	U		0.000461	0.00121	1	12/02/2017 19:50	WG1048646
1,2-Dichlorobenzene	U		0.000368	0.00121	1	12/02/2017 19:50	WG1048646
1,3-Dichlorobenzene	U		0.000288	0.00121	1	12/02/2017 19:50	WG1048646
1,4-Dichlorobenzene	U		0.000273	0.00121	1	12/02/2017 19:50	WG1048646
Dichlorodifluoromethane	U		0.000860	0.00603	1	12/02/2017 19:50	WG1048646
1,1-Dichloroethane	U		0.000240	0.00121	1	12/02/2017 19:50	WG1048646
1,2-Dichloroethane	U		0.000320	0.00121	1	12/02/2017 19:50	WG1048646
1,1-Dichloroethene	0.00294		0.000365	0.00121	1	12/02/2017 19:50	WG1048646
cis-1,2-Dichloroethene	2.35		0.0283	0.121	100	12/05/2017 21:28	WG1048646
trans-1,2-Dichloroethene	0.00384		0.000318	0.00121	1	12/02/2017 19:50	WG1048646
1,2-Dichloropropane	U		0.000432	0.00121	1	12/02/2017 19:50	WG1048646
1,1-Dichloropropene	U		0.000382	0.00121	1	12/02/2017 19:50	WG1048646
1,3-Dichloropropane	U		0.000250	0.00121	1	12/02/2017 19:50	WG1048646
cis-1,3-Dichloropropene	U		0.000316	0.00121	1	12/02/2017 19:50	WG1048646
trans-1,3-Dichloropropene	U		0.000322	0.00121	1	12/02/2017 19:50	WG1048646
trans-1,4-Dichloro-2-butene	U		0.000938	0.00301	1	12/02/2017 19:50	WG1048646
2,2-Dichloropropane	U		0.000336	0.00121	1	12/02/2017 19:50	WG1048646
Di-isopropyl ether	U		0.000299	0.00121	1	12/02/2017 19:50	WG1048646
Ethylbenzene	U		0.000358	0.00121	1	12/02/2017 19:50	WG1048646
Hexachloro-1,3-butadiene	U		0.000412	0.00121	1	12/02/2017 19:50	WG1048646
2-Hexanone	U	J3	0.00165	0.0121	1	12/02/2017 19:50	WG1048646
n-Hexane	U		0.000350	0.0121	1	12/02/2017 19:50	WG1048646
Iodomethane	U		0.00305	0.0121	1	12/02/2017 19:50	WG1048646
Isopropylbenzene	U		0.000293	0.00121	1	12/02/2017 19:50	WG1048646
p-Isopropyltoluene	U		0.000246	0.00121	1	12/02/2017 19:50	WG1048646
2-Butanone (MEK)	U		0.00564	0.0121	1	12/02/2017 19:50	WG1048646
Methylene Chloride	U		0.00121	0.00603	1	12/02/2017 19:50	WG1048646
4-Methyl-2-pentanone (MIBK)	U		0.00227	0.0121	1	12/02/2017 19:50	WG1048646

B-229-31

Collected date/time: 11/29/17 13:35

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000256	0.00121	1	12/02/2017 19:50	WG1048646
Naphthalene	U		0.00121	0.00603	1	12/02/2017 19:50	WG1048646
n-Propylbenzene	U		0.000248	0.00121	1	12/02/2017 19:50	WG1048646
Styrene	U		0.000282	0.00121	1	12/02/2017 19:50	WG1048646
1,1,1,2-Tetrachloroethane	U		0.000318	0.00121	1	12/02/2017 19:50	WG1048646
1,1,2,2-Tetrachloroethane	U		0.000440	0.00121	1	12/02/2017 19:50	WG1048646
1,1,2-Trichlorotrifluoroethane	U		0.000440	0.00121	1	12/02/2017 19:50	WG1048646
Tetrachloroethene	4.99		0.166	0.603	500	12/06/2017 15:58	WG1048646
Toluene	U		0.000523	0.00603	1	12/02/2017 19:50	WG1048646
1,2,3-Trichlorobenzene	U		0.000369	0.00121	1	12/02/2017 19:50	WG1048646
1,2,4-Trichlorobenzene	U		0.000468	0.00121	1	12/02/2017 19:50	WG1048646
1,1,1-Trichloroethane	U		0.000345	0.00121	1	12/02/2017 19:50	WG1048646
1,1,2-Trichloroethane	U		0.000334	0.00121	1	12/02/2017 19:50	WG1048646
Trichloroethene	1.53		0.0336	0.121	100	12/05/2017 21:28	WG1048646
Trichlorofluoromethane	U		0.000461	0.00603	1	12/02/2017 19:50	WG1048646
1,2,3-Trichloropropane	U		0.000894	0.00301	1	12/02/2017 19:50	WG1048646
1,2,4-Trimethylbenzene	U		0.000254	0.00121	1	12/02/2017 19:50	WG1048646
1,2,3-Trimethylbenzene	U		0.000346	0.00121	1	12/02/2017 19:50	WG1048646
1,3,5-Trimethylbenzene	U		0.000321	0.00121	1	12/02/2017 19:50	WG1048646
Vinyl acetate	U		0.00288	0.0121	1	12/02/2017 19:50	WG1048646
Vinyl chloride	0.105		0.000351	0.00121	1	12/02/2017 19:50	WG1048646
Xylenes, Total	U		0.000842	0.00362	1	12/02/2017 19:50	WG1048646
(S) Toluene-d8	*103*			*80.0-120*		*12/06/2017 15:58*	WG1048646
(S) Toluene-d8	*99.3*			*80.0-120*		*12/02/2017 19:50*	WG1048646
(S) Toluene-d8	*99.5*			*80.0-120*		*12/05/2017 21:28*	WG1048646
(S) Dibromofluoromethane	*98.6*			*74.0-131*		*12/05/2017 21:28*	WG1048646
(S) Dibromofluoromethane	*100*			*74.0-131*		*12/06/2017 15:58*	WG1048646
(S) Dibromofluoromethane	*99.2*			*74.0-131*		*12/02/2017 19:50*	WG1048646
(S) 4-Bromofluorobenzene	*99.8*			*64.0-132*		*12/05/2017 21:28*	WG1048646
(S) 4-Bromofluorobenzene	*99.0*			*64.0-132*		*12/06/2017 15:58*	WG1048646
(S) 4-Bromofluorobenzene	*88.4*			*64.0-132*		*12/02/2017 19:50*	WG1048646

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	90.9		1	12/06/2017 10:32	WG1050018

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0110	0.0550	1	12/02/2017 17:32	WG1048801
Acrylonitrile	U		0.00197	0.0110	1	12/02/2017 17:32	WG1048801
Benzene	U		0.000297	0.00110	1	12/02/2017 17:32	WG1048801
Bromobenzene	U		0.000312	0.00110	1	12/02/2017 17:32	WG1048801
Bromodichloromethane	U		0.000279	0.00110	1	12/02/2017 17:32	WG1048801
Bromochloromethane	U		0.000429	0.00550	1	12/02/2017 17:32	WG1048801
Bromoform	U		0.000466	0.00110	1	12/02/2017 17:32	WG1048801
Bromomethane	U		0.00147	0.00550	1	12/02/2017 17:32	WG1048801
n-Butylbenzene	U		0.000284	0.00110	1	12/02/2017 17:32	WG1048801
sec-Butylbenzene	U		0.000221	0.00110	1	12/02/2017 17:32	WG1048801
tert-Butylbenzene	U		0.000227	0.00110	1	12/02/2017 17:32	WG1048801
Carbon disulfide	U		0.000243	0.00110	1	12/02/2017 17:32	WG1048801
Carbon tetrachloride	U		0.000361	0.00110	1	12/02/2017 17:32	WG1048801
Chlorobenzene	U		0.000233	0.00110	1	12/02/2017 17:32	WG1048801
Chlorodibromomethane	U		0.000410	0.00110	1	12/02/2017 17:32	WG1048801
Chloroethane	0.00204	J	0.00104	0.00550	1	12/02/2017 17:32	WG1048801
Chloroform	U		0.000252	0.00550	1	12/02/2017 17:32	WG1048801
Chloromethane	U		0.000412	0.00275	1	12/02/2017 17:32	WG1048801
2-Chlorotoluene	U		0.000331	0.00110	1	12/02/2017 17:32	WG1048801
4-Chlorotoluene	U		0.000264	0.00110	1	12/02/2017 17:32	WG1048801
1,2-Dibromo-3-Chloropropane	U		0.00115	0.00550	1	12/02/2017 17:32	WG1048801
1,2-Dibromoethane	U		0.000377	0.00110	1	12/02/2017 17:32	WG1048801
Dibromomethane	U		0.000420	0.00110	1	12/02/2017 17:32	WG1048801
1,2-Dichlorobenzene	U		0.000335	0.00110	1	12/02/2017 17:32	WG1048801
1,3-Dichlorobenzene	U		0.000263	0.00110	1	12/02/2017 17:32	WG1048801
1,4-Dichlorobenzene	U		0.000249	0.00110	1	12/02/2017 17:32	WG1048801
Dichlorodifluoromethane	U		0.000784	0.00550	1	12/02/2017 17:32	WG1048801
1,1-Dichloroethane	U		0.000219	0.00110	1	12/02/2017 17:32	WG1048801
1,2-Dichloroethane	U		0.000291	0.00110	1	12/02/2017 17:32	WG1048801
1,1-Dichloroethene	0.00247		0.000333	0.00110	1	12/02/2017 17:32	WG1048801
cis-1,2-Dichloroethene	1.02		0.0517	0.220	200	12/05/2017 20:35	WG1048801
trans-1,2-Dichloroethene	0.00217		0.000290	0.00110	1	12/02/2017 17:32	WG1048801
1,2-Dichloropropane	U		0.000394	0.00110	1	12/02/2017 17:32	WG1048801
1,1-Dichloropropene	U		0.000349	0.00110	1	12/02/2017 17:32	WG1048801
1,3-Dichloropropane	U		0.000228	0.00110	1	12/02/2017 17:32	WG1048801
cis-1,3-Dichloropropene	U		0.000288	0.00110	1	12/02/2017 17:32	WG1048801
trans-1,3-Dichloropropene	U		0.000294	0.00110	1	12/02/2017 17:32	WG1048801
trans-1,4-Dichloro-2-butene	U		0.000856	0.00275	1	12/02/2017 17:32	WG1048801
2,2-Dichloropropane	U		0.000307	0.00110	1	12/02/2017 17:32	WG1048801
Di-isopropyl ether	U		0.000273	0.00110	1	12/02/2017 17:32	WG1048801
Ethylbenzene	U		0.000327	0.00110	1	12/02/2017 17:32	WG1048801
Hexachloro-1,3-butadiene	U		0.000376	0.00110	1	12/02/2017 17:32	WG1048801
2-Hexanone	U		0.00151	0.0110	1	12/02/2017 17:32	WG1048801
n-Hexane	0.00192	J	0.000319	0.0110	1	12/02/2017 17:32	WG1048801
Iodomethane	U		0.00278	0.0110	1	12/02/2017 17:32	WG1048801
Isopropylbenzene	U		0.000267	0.00110	1	12/02/2017 17:32	WG1048801
p-Isopropyltoluene	U		0.000224	0.00110	1	12/02/2017 17:32	WG1048801
2-Butanone (MEK)	U		0.00515	0.0110	1	12/02/2017 17:32	WG1048801
Methylene Chloride	U		0.00110	0.00550	1	12/02/2017 17:32	WG1048801
4-Methyl-2-pentanone (MIBK)	U		0.00207	0.0110	1	12/02/2017 17:32	WG1048801

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000233	0.00110	1	12/02/2017 17:32	WG1048801
Naphthalene	U		0.00110	0.00550	1	12/02/2017 17:32	WG1048801
n-Propylbenzene	U		0.000227	0.00110	1	12/02/2017 17:32	WG1048801
Styrene	U		0.000257	0.00110	1	12/02/2017 17:32	WG1048801
1,1,1,2-Tetrachloroethane	U		0.000290	0.00110	1	12/02/2017 17:32	WG1048801
1,1,2,2-Tetrachloroethane	U		0.000401	0.00110	1	12/02/2017 17:32	WG1048801
1,1,2-Trichlorotrifluoroethane	U		0.000401	0.00110	1	12/02/2017 17:32	WG1048801
Tetrachloroethene	9.25		0.0607	0.220	200	12/05/2017 20:35	WG1048801
Toluene	U		0.000477	0.00550	1	12/02/2017 17:32	WG1048801
1,2,3-Trichlorobenzene	U		0.000337	0.00110	1	12/02/2017 17:32	WG1048801
1,2,4-Trichlorobenzene	U		0.000427	0.00110	1	12/02/2017 17:32	WG1048801
1,1,1-Trichloroethane	U		0.000315	0.00110	1	12/02/2017 17:32	WG1048801
1,1,2-Trichloroethane	U		0.000305	0.00110	1	12/02/2017 17:32	WG1048801
Trichloroethene	0.898		0.0614	0.220	200	12/05/2017 20:35	WG1048801
Trichlorofluoromethane	U		0.000420	0.00550	1	12/02/2017 17:32	WG1048801
1,2,3-Trichloropropane	U		0.000815	0.00275	1	12/02/2017 17:32	WG1048801
1,2,4-Trimethylbenzene	0.000385	J	0.000232	0.00110	1	12/02/2017 17:32	WG1048801
1,2,3-Trimethylbenzene	U		0.000316	0.00110	1	12/02/2017 17:32	WG1048801
1,3,5-Trimethylbenzene	U		0.000293	0.00110	1	12/02/2017 17:32	WG1048801
Vinyl acetate	U		0.00263	0.0110	1	12/02/2017 17:32	WG1048801
Vinyl chloride	0.0609		0.000320	0.00110	1	12/02/2017 17:32	WG1048801
Xylenes, Total	U		0.000768	0.00330	1	12/02/2017 17:32	WG1048801
(S) Toluene-d8	*102*			*80.0-120*		*12/05/2017 20:35*	WG1048801
(S) Toluene-d8	*96.8*			*80.0-120*		*12/02/2017 17:32*	WG1048801
(S) Dibromofluoromethane	*94.9*			*74.0-131*		*12/05/2017 20:35*	WG1048801
(S) Dibromofluoromethane	*101*			*74.0-131*		*12/02/2017 17:32*	WG1048801
(S) 4-Bromofluorobenzene	*104*			*64.0-132*		*12/02/2017 17:32*	WG1048801
(S) 4-Bromofluorobenzene	*93.4*			*64.0-132*		*12/05/2017 20:35*	WG1048801

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

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	85.9		1	12/06/2017 10:32	WG1050018

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0116	0.0582	1	12/02/2017 17:52	WG1048801
Acrylonitrile	U		0.00208	0.0116	1	12/02/2017 17:52	WG1048801
Benzene	U		0.000314	0.00116	1	12/02/2017 17:52	WG1048801
Bromobenzene	U		0.000331	0.00116	1	12/02/2017 17:52	WG1048801
Bromodichloromethane	U		0.000296	0.00116	1	12/02/2017 17:52	WG1048801
Bromochloromethane	U		0.000454	0.00582	1	12/02/2017 17:52	WG1048801
Bromoform	U		0.000494	0.00116	1	12/02/2017 17:52	WG1048801
Bromomethane	U		0.00156	0.00582	1	12/02/2017 17:52	WG1048801
n-Butylbenzene	U		0.000300	0.00116	1	12/02/2017 17:52	WG1048801
sec-Butylbenzene	U		0.000234	0.00116	1	12/02/2017 17:52	WG1048801
tert-Butylbenzene	U		0.000240	0.00116	1	12/02/2017 17:52	WG1048801
Carbon disulfide	U		0.000257	0.00116	1	12/02/2017 17:52	WG1048801
Carbon tetrachloride	U		0.000382	0.00116	1	12/02/2017 17:52	WG1048801
Chlorobenzene	U		0.000247	0.00116	1	12/02/2017 17:52	WG1048801
Chlorodibromomethane	U		0.000434	0.00116	1	12/02/2017 17:52	WG1048801
Chloroethane	0.00197	J	0.00110	0.00582	1	12/02/2017 17:52	WG1048801
Chloroform	U		0.000267	0.00582	1	12/02/2017 17:52	WG1048801
Chloromethane	U		0.000437	0.00291	1	12/02/2017 17:52	WG1048801
2-Chlorotoluene	U		0.000350	0.00116	1	12/02/2017 17:52	WG1048801
4-Chlorotoluene	U		0.000279	0.00116	1	12/02/2017 17:52	WG1048801
1,2-Dibromo-3-Chloropropane	U		0.00122	0.00582	1	12/02/2017 17:52	WG1048801
1,2-Dibromoethane	U		0.000399	0.00116	1	12/02/2017 17:52	WG1048801
Dibromomethane	U		0.000445	0.00116	1	12/02/2017 17:52	WG1048801
1,2-Dichlorobenzene	U		0.000355	0.00116	1	12/02/2017 17:52	WG1048801
1,3-Dichlorobenzene	U		0.000278	0.00116	1	12/02/2017 17:52	WG1048801
1,4-Dichlorobenzene	U		0.000263	0.00116	1	12/02/2017 17:52	WG1048801
Dichlorodifluoromethane	U		0.000830	0.00582	1	12/02/2017 17:52	WG1048801
1,1-Dichloroethane	U		0.000232	0.00116	1	12/02/2017 17:52	WG1048801
1,2-Dichloroethane	U		0.000309	0.00116	1	12/02/2017 17:52	WG1048801
1,1-Dichloroethene	0.00417		0.000353	0.00116	1	12/02/2017 17:52	WG1048801
cis-1,2-Dichloroethene	0.403	J	0.137	0.582	500	12/05/2017 20:55	WG1048801
trans-1,2-Dichloroethene	0.00377		0.000307	0.00116	1	12/02/2017 17:52	WG1048801
1,2-Dichloropropane	U		0.000417	0.00116	1	12/02/2017 17:52	WG1048801
1,1-Dichloropropene	U		0.000369	0.00116	1	12/02/2017 17:52	WG1048801
1,3-Dichloropropane	U		0.000241	0.00116	1	12/02/2017 17:52	WG1048801
cis-1,3-Dichloropropene	U		0.000305	0.00116	1	12/02/2017 17:52	WG1048801
trans-1,3-Dichloropropene	U		0.000311	0.00116	1	12/02/2017 17:52	WG1048801
trans-1,4-Dichloro-2-butene	U		0.000906	0.00291	1	12/02/2017 17:52	WG1048801
2,2-Dichloropropane	U		0.000325	0.00116	1	12/02/2017 17:52	WG1048801
Di-isopropyl ether	U		0.000289	0.00116	1	12/02/2017 17:52	WG1048801
Ethylbenzene	U		0.000346	0.00116	1	12/02/2017 17:52	WG1048801
Hexachloro-1,3-butadiene	U		0.000398	0.00116	1	12/02/2017 17:52	WG1048801
2-Hexanone	U		0.00160	0.0116	1	12/02/2017 17:52	WG1048801
n-Hexane	U		0.000338	0.0116	1	12/02/2017 17:52	WG1048801
Iodomethane	U		0.00295	0.0116	1	12/02/2017 17:52	WG1048801
Isopropylbenzene	U		0.000283	0.00116	1	12/02/2017 17:52	WG1048801
p-Isopropyltoluene	U		0.000238	0.00116	1	12/02/2017 17:52	WG1048801
2-Butanone (MEK)	U		0.00545	0.0116	1	12/02/2017 17:52	WG1048801
Methylene Chloride	U		0.00116	0.00582	1	12/02/2017 17:52	WG1048801
4-Methyl-2-pentanone (MIBK)	U		0.00219	0.0116	1	12/02/2017 17:52	WG1048801

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000247	0.00116	1	12/02/2017 17:52	WG1048801
Naphthalene	U		0.00116	0.00582	1	12/02/2017 17:52	WG1048801
n-Propylbenzene	0.000280	J	0.000240	0.00116	1	12/02/2017 17:52	WG1048801
Styrene	U		0.000272	0.00116	1	12/02/2017 17:52	WG1048801
1,1,1,2-Tetrachloroethane	U		0.000307	0.00116	1	12/02/2017 17:52	WG1048801
1,1,2,2-Tetrachloroethane	U		0.000425	0.00116	1	12/02/2017 17:52	WG1048801
1,1,2-Trichlorotrifluoroethane	U		0.000425	0.00116	1	12/02/2017 17:52	WG1048801
Tetrachloroethene	64.0		0.803	2.91	2500	12/06/2017 15:18	WG1048801
Toluene	U		0.000505	0.00582	1	12/02/2017 17:52	WG1048801
1,2,3-Trichlorobenzene	U		0.000356	0.00116	1	12/02/2017 17:52	WG1048801
1,2,4-Trichlorobenzene	U		0.000452	0.00116	1	12/02/2017 17:52	WG1048801
1,1,1-Trichloroethane	U		0.000333	0.00116	1	12/02/2017 17:52	WG1048801
1,1,2-Trichloroethane	U		0.000323	0.00116	1	12/02/2017 17:52	WG1048801
Trichloroethene	0.384	J	0.163	0.582	500	12/05/2017 20:55	WG1048801
Trichlorofluoromethane	U		0.000445	0.00582	1	12/02/2017 17:52	WG1048801
1,2,3-Trichloropropane	U		0.000863	0.00291	1	12/02/2017 17:52	WG1048801
1,2,4-Trimethylbenzene	0.00110	J	0.000246	0.00116	1	12/02/2017 17:52	WG1048801
1,2,3-Trimethylbenzene	U		0.000334	0.00116	1	12/02/2017 17:52	WG1048801
1,3,5-Trimethylbenzene	0.000425	J	0.000310	0.00116	1	12/02/2017 17:52	WG1048801
Vinyl acetate	U		0.00278	0.0116	1	12/02/2017 17:52	WG1048801
Vinyl chloride	0.126		0.000339	0.00116	1	12/02/2017 17:52	WG1048801
Xylenes, Total	U		0.000813	0.00349	1	12/02/2017 17:52	WG1048801
(S) Toluene-d8	*94.0*			*80.0-120*		*12/02/2017 17:52*	WG1048801
(S) Toluene-d8	*106*			*80.0-120*		*12/06/2017 15:18*	WG1048801
(S) Toluene-d8	*109*			*80.0-120*		*12/05/2017 20:55*	WG1048801
(S) Dibromofluoromethane	*104*			*74.0-131*		*12/06/2017 15:18*	WG1048801
(S) Dibromofluoromethane	*97.7*			*74.0-131*		*12/02/2017 17:52*	WG1048801
(S) Dibromofluoromethane	*95.0*			*74.0-131*		*12/05/2017 20:55*	WG1048801
(S) 4-Bromofluorobenzene	*95.1*			*64.0-132*		*12/05/2017 20:55*	WG1048801
(S) 4-Bromofluorobenzene	*114*			*64.0-132*		*12/02/2017 17:52*	WG1048801
(S) 4-Bromofluorobenzene	*99.0*			*64.0-132*		*12/06/2017 15:18*	WG1048801

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

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	83.6		1	12/06/2017 13:20	WG1050150

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0120	0.0598	1	12/02/2017 18:11	WG1048801
Acrylonitrile	U		0.00214	0.0120	1	12/02/2017 18:11	WG1048801
Benzene	U		0.000323	0.00120	1	12/02/2017 18:11	WG1048801
Bromobenzene	U		0.000340	0.00120	1	12/02/2017 18:11	WG1048801
Bromodichloromethane	U		0.000304	0.00120	1	12/02/2017 18:11	WG1048801
Bromochloromethane	U		0.000466	0.00598	1	12/02/2017 18:11	WG1048801
Bromoform	U		0.000507	0.00120	1	12/02/2017 18:11	WG1048801
Bromomethane	U		0.00160	0.00598	1	12/02/2017 18:11	WG1048801
n-Butylbenzene	U		0.000309	0.00120	1	12/02/2017 18:11	WG1048801
sec-Butylbenzene	U		0.000240	0.00120	1	12/02/2017 18:11	WG1048801
tert-Butylbenzene	U		0.000246	0.00120	1	12/02/2017 18:11	WG1048801
Carbon disulfide	0.000547	J	0.000264	0.00120	1	12/02/2017 18:11	WG1048801
Carbon tetrachloride	U		0.000392	0.00120	1	12/02/2017 18:11	WG1048801
Chlorobenzene	U		0.000254	0.00120	1	12/02/2017 18:11	WG1048801
Chlorodibromomethane	U		0.000446	0.00120	1	12/02/2017 18:11	WG1048801
Chloroethane	U		0.00113	0.00598	1	12/02/2017 18:11	WG1048801
Chloroform	U		0.000274	0.00598	1	12/02/2017 18:11	WG1048801
Chloromethane	U		0.000449	0.00299	1	12/02/2017 18:11	WG1048801
2-Chlorotoluene	U		0.000360	0.00120	1	12/02/2017 18:11	WG1048801
4-Chlorotoluene	U		0.000287	0.00120	1	12/02/2017 18:11	WG1048801
1,2-Dibromo-3-Chloropropane	U		0.00126	0.00598	1	12/02/2017 18:11	WG1048801
1,2-Dibromoethane	U		0.000410	0.00120	1	12/02/2017 18:11	WG1048801
Dibromomethane	U		0.000457	0.00120	1	12/02/2017 18:11	WG1048801
1,2-Dichlorobenzene	U		0.000365	0.00120	1	12/02/2017 18:11	WG1048801
1,3-Dichlorobenzene	U		0.000286	0.00120	1	12/02/2017 18:11	WG1048801
1,4-Dichlorobenzene	U		0.000270	0.00120	1	12/02/2017 18:11	WG1048801
Dichlorodifluoromethane	U		0.000853	0.00598	1	12/02/2017 18:11	WG1048801
1,1-Dichloroethane	U		0.000238	0.00120	1	12/02/2017 18:11	WG1048801
1,2-Dichloroethane	U		0.000317	0.00120	1	12/02/2017 18:11	WG1048801
1,1-Dichloroethene	0.000619	J	0.000362	0.00120	1	12/02/2017 18:11	WG1048801
cis-1,2-Dichloroethene	0.105		0.000281	0.00120	1	12/02/2017 18:11	WG1048801
trans-1,2-Dichloroethene	0.000316	J	0.000316	0.00120	1	12/02/2017 18:11	WG1048801
1,2-Dichloropropane	U		0.000428	0.00120	1	12/02/2017 18:11	WG1048801
1,1-Dichloropropene	U		0.000379	0.00120	1	12/02/2017 18:11	WG1048801
1,3-Dichloropropane	U		0.000248	0.00120	1	12/02/2017 18:11	WG1048801
cis-1,3-Dichloropropene	U		0.000313	0.00120	1	12/02/2017 18:11	WG1048801
trans-1,3-Dichloropropene	U		0.000319	0.00120	1	12/02/2017 18:11	WG1048801
trans-1,4-Dichloro-2-butene	U		0.000931	0.00299	1	12/02/2017 18:11	WG1048801
2,2-Dichloropropane	U		0.000334	0.00120	1	12/02/2017 18:11	WG1048801
Di-isopropyl ether	U		0.000297	0.00120	1	12/02/2017 18:11	WG1048801
Ethylbenzene	U		0.000355	0.00120	1	12/02/2017 18:11	WG1048801
Hexachloro-1,3-butadiene	U		0.000409	0.00120	1	12/02/2017 18:11	WG1048801
2-Hexanone	U		0.00164	0.0120	1	12/02/2017 18:11	WG1048801
n-Hexane	0.000389	J	0.000347	0.0120	1	12/02/2017 18:11	WG1048801
Iodomethane	U		0.00303	0.0120	1	12/02/2017 18:11	WG1048801
Isopropylbenzene	U		0.000291	0.00120	1	12/02/2017 18:11	WG1048801
p-Isopropyltoluene	U		0.000244	0.00120	1	12/02/2017 18:11	WG1048801
2-Butanone (MEK)	U		0.00560	0.0120	1	12/02/2017 18:11	WG1048801
Methylene Chloride	U		0.00120	0.00598	1	12/02/2017 18:11	WG1048801
4-Methyl-2-pentanone (MIBK)	U		0.00225	0.0120	1	12/02/2017 18:11	WG1048801

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000254	0.00120	1	12/02/2017 18:11	WG1048801
Naphthalene	U		0.00120	0.00598	1	12/02/2017 18:11	WG1048801
n-Propylbenzene	U		0.000246	0.00120	1	12/02/2017 18:11	WG1048801
Styrene	U		0.000280	0.00120	1	12/02/2017 18:11	WG1048801
1,1,1,2-Tetrachloroethane	U		0.000316	0.00120	1	12/02/2017 18:11	WG1048801
1,1,2,2-Tetrachloroethane	U		0.000437	0.00120	1	12/02/2017 18:11	WG1048801
1,1,2-Trichlorotrifluoroethane	U		0.000437	0.00120	1	12/02/2017 18:11	WG1048801
Tetrachloroethene	158		0.330	1.20	1000	12/05/2017 21:14	WG1048801
Toluene	U		0.000519	0.00598	1	12/02/2017 18:11	WG1048801
1,2,3-Trichlorobenzene	U		0.000366	0.00120	1	12/02/2017 18:11	WG1048801
1,2,4-Trichlorobenzene	U		0.000464	0.00120	1	12/02/2017 18:11	WG1048801
1,1,1-Trichloroethane	U		0.000342	0.00120	1	12/02/2017 18:11	WG1048801
1,1,2-Trichloroethane	U		0.000331	0.00120	1	12/02/2017 18:11	WG1048801
Trichloroethene	0.0946		0.000334	0.00120	1	12/02/2017 18:11	WG1048801
Trichlorofluoromethane	U		0.000457	0.00598	1	12/02/2017 18:11	WG1048801
1,2,3-Trichloropropane	U		0.000886	0.00299	1	12/02/2017 18:11	WG1048801
1,2,4-Trimethylbenzene	0.000622	J	0.000252	0.00120	1	12/02/2017 18:11	WG1048801
1,2,3-Trimethylbenzene	U		0.000343	0.00120	1	12/02/2017 18:11	WG1048801
1,3,5-Trimethylbenzene	U		0.000318	0.00120	1	12/02/2017 18:11	WG1048801
Vinyl acetate	U		0.00286	0.0120	1	12/02/2017 18:11	WG1048801
Vinyl chloride	0.00430		0.000348	0.00120	1	12/02/2017 18:11	WG1048801
Xylenes, Total	U		0.000835	0.00359	1	12/02/2017 18:11	WG1048801
(S) Toluene-d8	*105*			*80.0-120*		*12/05/2017 21:14*	WG1048801
(S) Toluene-d8	*102*			*80.0-120*		*12/02/2017 18:11*	WG1048801
(S) Dibromofluoromethane	*101*			*74.0-131*		*12/02/2017 18:11*	WG1048801
(S) Dibromofluoromethane	*95.0*			*74.0-131*		*12/05/2017 21:14*	WG1048801
(S) 4-Bromofluorobenzene	*139*	J1		*64.0-132*		*12/02/2017 18:11*	WG1048801
(S) 4-Bromofluorobenzene	*92.3*			*64.0-132*		*12/05/2017 21:14*	WG1048801

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

TRIP BLANK-112917

Collected date/time: 11/29/17 00:00

SAMPLE RESULTS - 24

L954448

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

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		1.05	25.0	1	12/02/2017 14:49	WG1048623
Acrylonitrile	U		0.873	5.00	1	12/02/2017 14:49	WG1048623
Benzene	U		0.0896	0.500	1	12/02/2017 14:49	WG1048623
Bromobenzene	U		0.133	0.500	1	12/02/2017 14:49	WG1048623
Bromodichloromethane	U		0.0800	0.500	1	12/02/2017 14:49	WG1048623
Bromochloromethane	U		0.145	0.500	1	12/02/2017 14:49	WG1048623
Bromoform	U		0.186	0.500	1	12/02/2017 14:49	WG1048623
Bromomethane	U		0.157	2.50	1	12/02/2017 14:49	WG1048623
n-Butylbenzene	U		0.143	0.500	1	12/02/2017 14:49	WG1048623
sec-Butylbenzene	U		0.134	0.500	1	12/02/2017 14:49	WG1048623
tert-Butylbenzene	U		0.183	0.500	1	12/02/2017 14:49	WG1048623
Carbon disulfide	U		0.101	0.500	1	12/02/2017 14:49	WG1048623
Carbon tetrachloride	U		0.159	0.500	1	12/02/2017 14:49	WG1048623
Chlorobenzene	U		0.140	0.500	1	12/02/2017 14:49	WG1048623
Chlorodibromomethane	U		0.128	0.500	1	12/02/2017 14:49	WG1048623
Chloroethane	U		0.141	2.50	1	12/02/2017 14:49	WG1048623
Chloroform	U		0.0860	0.500	1	12/02/2017 14:49	WG1048623
Chloromethane	U		0.153	1.25	1	12/02/2017 14:49	WG1048623
2-Chlorotoluene	U		0.111	0.500	1	12/02/2017 14:49	WG1048623
4-Chlorotoluene	U		0.0972	0.500	1	12/02/2017 14:49	WG1048623
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	12/02/2017 14:49	WG1048623
1,2-Dibromoethane	U		0.193	0.500	1	12/02/2017 14:49	WG1048623
Dibromomethane	U		0.117	0.500	1	12/02/2017 14:49	WG1048623
1,2-Dichlorobenzene	U		0.101	0.500	1	12/02/2017 14:49	WG1048623
1,3-Dichlorobenzene	U		0.130	0.500	1	12/02/2017 14:49	WG1048623
1,4-Dichlorobenzene	U		0.121	0.500	1	12/02/2017 14:49	WG1048623
Dichlorodifluoromethane	U		0.127	2.50	1	12/02/2017 14:49	WG1048623
1,1-Dichloroethane	U		0.114	0.500	1	12/02/2017 14:49	WG1048623
1,2-Dichloroethane	U		0.108	0.500	1	12/02/2017 14:49	WG1048623
1,1-Dichloroethene	U		0.188	0.500	1	12/02/2017 14:49	WG1048623
cis-1,2-Dichloroethene	U		0.0933	0.500	1	12/02/2017 14:49	WG1048623
trans-1,2-Dichloroethene	U		0.152	0.500	1	12/02/2017 14:49	WG1048623
1,2-Dichloropropane	U		0.190	0.500	1	12/02/2017 14:49	WG1048623
1,1-Dichloropropene	U		0.128	0.500	1	12/02/2017 14:49	WG1048623
1,3-Dichloropropane	U		0.147	1.00	1	12/02/2017 14:49	WG1048623
cis-1,3-Dichloropropene	U		0.0976	0.500	1	12/02/2017 14:49	WG1048623
trans-1,3-Dichloropropene	U		0.222	0.500	1	12/02/2017 14:49	WG1048623
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	12/02/2017 14:49	WG1048623
2,2-Dichloropropane	U		0.0929	0.500	1	12/02/2017 14:49	WG1048623
Di-isopropyl ether	U		0.0924	0.500	1	12/02/2017 14:49	WG1048623
Ethylbenzene	U		0.158	0.500	1	12/02/2017 14:49	WG1048623
Hexachloro-1,3-butadiene	U		0.157	1.00	1	12/02/2017 14:49	WG1048623
2-Hexanone	U		0.757	5.00	1	12/02/2017 14:49	WG1048623
n-Hexane	U		0.305	5.00	1	12/02/2017 14:49	WG1048623
Iodomethane	U		0.377	10.0	1	12/02/2017 14:49	WG1048623
Isopropylbenzene	U		0.126	0.500	1	12/02/2017 14:49	WG1048623
p-Isopropyltoluene	U		0.138	0.500	1	12/02/2017 14:49	WG1048623
2-Butanone (MEK)	U		1.28	5.00	1	12/02/2017 14:49	WG1048623
Methylene Chloride	U		1.07	2.50	1	12/02/2017 14:49	WG1048623
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	12/02/2017 14:49	WG1048623
Methyl tert-butyl ether	U		0.102	0.500	1	12/02/2017 14:49	WG1048623
Naphthalene	U		0.174	2.50	1	12/02/2017 14:49	WG1048623
n-Propylbenzene	U		0.162	0.500	1	12/02/2017 14:49	WG1048623
Styrene	U		0.117	0.500	1	12/02/2017 14:49	WG1048623
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	12/02/2017 14:49	WG1048623
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	12/02/2017 14:49	WG1048623

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	12/02/2017 14:49	WG1048623
Tetrachloroethene	U		0.199	0.500	1	12/02/2017 14:49	WG1048623
Toluene	U		0.412	0.500	1	12/02/2017 14:49	WG1048623
1,2,3-Trichlorobenzene	U		0.164	0.500	1	12/02/2017 14:49	WG1048623
1,2,4-Trichlorobenzene	U		0.355	0.500	1	12/02/2017 14:49	WG1048623
1,1,1-Trichloroethane	U		0.0940	0.500	1	12/02/2017 14:49	WG1048623
1,1,2-Trichloroethane	U		0.186	0.500	1	12/02/2017 14:49	WG1048623
Trichloroethene	U		0.153	0.500	1	12/02/2017 14:49	WG1048623
Trichlorofluoromethane	U		0.130	2.50	1	12/02/2017 14:49	WG1048623
1,2,3-Trichloropropane	U		0.247	2.50	1	12/02/2017 14:49	WG1048623
1,2,4-Trimethylbenzene	U		0.123	0.500	1	12/02/2017 14:49	WG1048623
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	12/02/2017 14:49	WG1048623
1,3,5-Trimethylbenzene	U		0.124	0.500	1	12/02/2017 14:49	WG1048623
Vinyl acetate	U	J4	0.645	5.00	1	12/02/2017 14:49	WG1048623
Vinyl chloride	U		0.118	0.500	1	12/02/2017 14:49	WG1048623
Xylenes, Total	U		0.316	1.50	1	12/02/2017 14:49	WG1048623
(S) Toluene-d8	*102*			*80.0-120*		*12/02/2017 14:49*	WG1048623
(S) Dibromofluoromethane	*98.4*			*76.0-123*		*12/02/2017 14:49*	WG1048623
(S) 4-Bromofluorobenzene	*96.2*			*80.0-120*		*12/02/2017 14:49*	WG1048623

Method Blank (MB)

(MB) R3270659-1 12/05/17 13:36

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0			

L954448-10 Original Sample (OS) • Duplicate (DUP)

(OS) L954448-10 12/05/17 13:36 • (DUP) R3270659-3 12/05/17 13:36

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	92.8	88.5	1	5		5

Laboratory Control Sample (LCS)

(LCS) R3270659-2 12/05/17 13:36

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	85-115	

Method Blank (MB)

(MB) R3270660-1 12/05/17 14:02

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.001			

L954448-12 Original Sample (OS) • Duplicate (DUP)

(OS) L954448-12 12/05/17 14:02 • (DUP) R3270660-3 12/05/17 14:02

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	87.1	86.7	1	0		5

Laboratory Control Sample (LCS)

(LCS) R3270660-2 12/05/17 14:02

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	85-115	

Method Blank (MB)

(MB) R3270996-1 12/06/17 10:32

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.001			

L954485-08 Original Sample (OS) • Duplicate (DUP)

(OS) L954485-08 12/06/17 10:32 • (DUP) R3270996-3 12/06/17 10:32

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	76.8	79.8	1	4		5

Laboratory Control Sample (LCS)

(LCS) R3270996-2 12/06/17 10:32

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	85-115	

Method Blank (MB)

(MB) R3270979-1 12/06/17 13:20

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.001			

L955260-03 Original Sample (OS) • Duplicate (DUP)

(OS) L955260-03 12/06/17 13:20 • (DUP) R3270979-3 12/06/17 13:20

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	91.7	92.0	1	0		5

Laboratory Control Sample (LCS)

(LCS) R3270979-2 12/06/17 13:20

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	85-115	

Method Blank (MB)

(MB) R3270588-2 12/02/17 14:10

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Acetone	U		1.05	25.0
Acrylonitrile	U		0.873	5.00
Benzene	U		0.0896	0.500
Bromobenzene	U		0.133	0.500
Bromodichloromethane	U		0.0800	0.500
Bromochloromethane	U		0.145	0.500
Bromoform	U		0.186	0.500
Bromomethane	U		0.157	2.50
n-Butylbenzene	U		0.143	0.500
sec-Butylbenzene	U		0.134	0.500
tert-Butylbenzene	U		0.183	0.500
Carbon disulfide	U		0.101	0.500
Carbon tetrachloride	U		0.159	0.500
Chlorobenzene	U		0.140	0.500
Chlorodibromomethane	U		0.128	0.500
Chloroethane	U		0.141	2.50
Chloroform	U		0.0860	0.500
Chloromethane	U		0.153	1.25
2-Chlorotoluene	U		0.111	0.500
4-Chlorotoluene	U		0.0972	0.500
1,2-Dibromo-3-Chloropropane	U		0.325	2.50
1,2-Dibromoethane	U		0.193	0.500
Dibromomethane	U		0.117	0.500
1,2-Dichlorobenzene	U		0.101	0.500
1,3-Dichlorobenzene	U		0.130	0.500
1,4-Dichlorobenzene	U		0.121	0.500
Dichlorodifluoromethane	U		0.127	2.50
1,1-Dichloroethane	U		0.114	0.500
1,2-Dichloroethane	U		0.108	0.500
1,1-Dichloroethene	U		0.188	0.500
cis-1,2-Dichloroethene	U		0.0933	0.500
trans-1,2-Dichloroethene	U		0.152	0.500
1,2-Dichloropropane	U		0.190	0.500
trans-1,4-Dichloro-2-butene	U		0.257	5.00
1,1-Dichloropropene	U		0.128	0.500
1,3-Dichloropropane	U		0.147	1.00
cis-1,3-Dichloropropene	U		0.0976	0.500
trans-1,3-Dichloropropene	U		0.222	0.500
2,2-Dichloropropane	U		0.0929	0.500
n-Hexane	U		0.305	5.00

Method Blank (MB)

(MB) R3270588-2 12/02/17 14:10

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Di-isopropyl ether	U		0.0924	0.500
Iodomethane	U		0.377	10.0
Ethylbenzene	U		0.158	0.500
Hexachloro-1,3-butadiene	U		0.157	1.00
2-Hexanone	U		0.757	5.00
Isopropylbenzene	U		0.126	0.500
p-Isopropyltoluene	U		0.138	0.500
2-Butanone (MEK)	U		1.28	5.00
Methylene Chloride	U		1.07	2.50
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00
Methyl tert-butyl ether	U		0.102	0.500
Naphthalene	U		0.174	2.50
n-Propylbenzene	U		0.162	0.500
Styrene	U		0.117	0.500
1,1,2,2-Tetrachloroethane	U		0.130	0.500
Tetrachloroethene	U		0.199	0.500
Vinyl acetate	U		0.645	5.00
1,1,1,2-Tetrachloroethane	U		0.120	0.500
Toluene	U		0.412	0.500
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500
1,2,3-Trichlorobenzene	U		0.164	0.500
1,2,4-Trichlorobenzene	U		0.355	0.500
1,1,1-Trichloroethane	U		0.0940	0.500
1,1,2-Trichloroethane	U		0.186	0.500
Trichloroethene	U		0.153	0.500
Trichlorofluoromethane	U		0.130	2.50
1,2,4-Trimethylbenzene	U		0.123	0.500
1,3,5-Trimethylbenzene	U		0.124	0.500
1,2,3-Trichloropropane	U		0.247	2.50
1,2,3-Trimethylbenzene	U		0.0739	0.500
Vinyl chloride	U		0.118	0.500
Xylenes, Total	U		0.316	1.50
(S) Toluene-d8	*100*			*80.0-120*
(S) Dibromofluoromethane	*100*			*76.0-123*
(S) 4-Bromofluorobenzene	*93.5*			*80.0-120*

Laboratory Control Sample (LCS)

(LCS) R3270588-1 12/02/17 13:30

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	125	189	152	10.0-160	
Acrylonitrile	125	130	104	60.0-142	
Benzene	25.0	25.8	103	69.0-123	
trans-1,4-Dichloro-2-butene	25.0	24.6	98.3	55.0-134	
Bromobenzene	25.0	24.4	97.7	79.0-120	
Bromodichloromethane	25.0	25.7	103	76.0-120	
Bromochloromethane	25.0	26.3	105	76.0-122	
Bromoform	25.0	25.1	101	67.0-132	
Bromomethane	25.0	25.8	103	18.0-160	
n-Hexane	25.0	29.1	116	56.0-124	
Iodomethane	125	131	105	57.0-140	
n-Butylbenzene	25.0	26.7	107	72.0-126	
sec-Butylbenzene	25.0	26.2	105	74.0-121	
tert-Butylbenzene	25.0	25.6	102	75.0-122	
Carbon disulfide	25.0	26.9	108	55.0-127	
Carbon tetrachloride	25.0	26.0	104	63.0-122	
Chlorobenzene	25.0	25.4	102	79.0-121	
Chlorodibromomethane	25.0	25.9	104	75.0-125	
Chloroethane	25.0	25.6	103	47.0-152	
Chloroform	25.0	25.4	102	72.0-121	
Chloromethane	25.0	25.1	100	48.0-139	
2-Chlorotoluene	25.0	24.2	96.7	74.0-122	
1,2-Dibromo-3-Chloropropane	25.0	24.2	96.6	64.0-127	
4-Chlorotoluene	25.0	24.8	99.1	79.0-120	
1,2-Dibromoethane	25.0	25.7	103	77.0-123	
1,2-Dichlorobenzene	25.0	26.1	104	80.0-120	
Dibromomethane	25.0	25.5	102	78.0-120	
1,3-Dichlorobenzene	25.0	24.9	99.6	72.0-123	
1,4-Dichlorobenzene	25.0	25.6	102	77.0-120	
Dichlorodifluoromethane	25.0	31.0	124	49.0-155	
1,1-Dichloroethane	25.0	26.0	104	70.0-126	
1,2-Dichloroethane	25.0	25.3	101	67.0-126	
1,1-Dichloroethene	25.0	28.5	114	64.0-129	
cis-1,2-Dichloroethene	25.0	25.7	103	73.0-120	
Vinyl acetate	125	208	167	46.0-160	J4
trans-1,2-Dichloroethene	25.0	25.9	104	71.0-121	
1,2-Dichloropropane	25.0	25.9	104	75.0-125	
1,1-Dichloropropene	25.0	26.5	106	71.0-129	
1,3-Dichloropropane	25.0	25.4	102	80.0-121	
cis-1,3-Dichloropropene	25.0	26.0	104	79.0-123	

Laboratory Control Sample (LCS)

(LCS) R3270588-1 12/02/17 13:30

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
trans-1,3-Dichloropropene	25.0	26.0	104	74.0-127	
2,2-Dichloropropane	25.0	25.2	101	60.0-125	
Di-isopropyl ether	25.0	25.2	101	59.0-133	
Ethylbenzene	25.0	25.6	102	77.0-120	
2-Hexanone	125	142	114	58.0-147	
Hexachloro-1,3-butadiene	25.0	28.4	114	64.0-131	
Isopropylbenzene	25.0	24.6	98.2	75.0-120	
p-Isopropyltoluene	25.0	26.5	106	74.0-126	
2-Butanone (MEK)	125	154	123	37.0-158	
Methylene Chloride	25.0	24.7	98.8	66.0-121	
4-Methyl-2-pentanone (MIBK)	125	134	108	59.0-143	
Methyl tert-butyl ether	25.0	26.2	105	64.0-123	
Naphthalene	25.0	26.5	106	62.0-128	
n-Propylbenzene	25.0	25.1	100	79.0-120	
Styrene	25.0	26.0	104	78.0-124	
1,1,1,2-Tetrachloroethane	25.0	25.7	103	75.0-122	
1,1,2,2-Tetrachloroethane	25.0	26.0	104	71.0-122	
Tetrachloroethene	25.0	25.5	102	70.0-127	
Toluene	25.0	25.3	101	77.0-120	
1,1,2-Trichlorotrifluoroethane	25.0	29.2	117	61.0-136	
1,2,3-Trichlorobenzene	25.0	27.4	109	61.0-133	
1,2,4-Trichlorobenzene	25.0	28.1	112	69.0-129	
1,1,1-Trichloroethane	25.0	26.2	105	68.0-122	
1,1,2-Trichloroethane	25.0	26.0	104	78.0-120	
Trichloroethene	25.0	26.1	104	78.0-120	
Trichlorofluoromethane	25.0	28.0	112	56.0-137	
1,2,3-Trichloropropane	25.0	24.9	99.6	72.0-124	
1,2,3-Trimethylbenzene	25.0	24.9	99.5	75.0-120	
1,2,4-Trimethylbenzene	25.0	25.6	102	75.0-120	
1,3,5-Trimethylbenzene	25.0	25.3	101	75.0-120	
Vinyl chloride	25.0	26.2	105	64.0-133	
Xylenes, Total	75.0	78.2	104	77.0-120	
(S) Toluene-d8			*98.6*	*80.0-120*	
(S) Dibromofluoromethane			*101*	*76.0-123*	
(S) 4-Bromofluorobenzene			*95.6*	*80.0-120*	

Method Blank (MB)

(MB) R3270329-3 12/02/17 00:24

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acetone	U		0.0100	0.0500
Acrylonitrile	U		0.00179	0.0100
Benzene	U		0.000270	0.00100
Bromobenzene	U		0.000284	0.00100
Bromodichloromethane	U		0.000254	0.00100
Bromochloromethane	U		0.000390	0.00500
Bromoform	U		0.000424	0.00100
Bromomethane	U		0.00134	0.00500
n-Butylbenzene	U		0.000258	0.00100
sec-Butylbenzene	U		0.000201	0.00100
tert-Butylbenzene	U		0.000206	0.00100
Carbon disulfide	U		0.000221	0.00100
Carbon tetrachloride	U		0.000328	0.00100
Chlorobenzene	U		0.000212	0.00100
Chlorodibromomethane	U		0.000373	0.00100
Chloroethane	U		0.000946	0.00500
Chloroform	U		0.000229	0.00500
Chloromethane	U		0.000375	0.00250
2-Chlorotoluene	U		0.000301	0.00100
4-Chlorotoluene	U		0.000240	0.00100
1,2-Dibromo-3-Chloropropane	U		0.00105	0.00500
1,2-Dibromoethane	U		0.000343	0.00100
Dibromomethane	U		0.000382	0.00100
1,2-Dichlorobenzene	U		0.000305	0.00100
1,3-Dichlorobenzene	U		0.000239	0.00100
1,4-Dichlorobenzene	U		0.000226	0.00100
trans-1,4-Dichloro-2-butene	U		0.000778	0.00250
Dichlorodifluoromethane	U		0.000713	0.00500
1,1-Dichloroethane	U		0.000199	0.00100
1,2-Dichloroethane	U		0.000265	0.00100
1,1-Dichloroethene	U		0.000303	0.00100
cis-1,2-Dichloroethene	U		0.000235	0.00100
trans-1,2-Dichloroethene	U		0.000264	0.00100
1,2-Dichloropropane	U		0.000358	0.00100
1,1-Dichloropropene	U		0.000317	0.00100
1,3-Dichloropropane	U		0.000207	0.00100
cis-1,3-Dichloropropene	U		0.000262	0.00100
trans-1,3-Dichloropropene	U		0.000267	0.00100
2,2-Dichloropropane	U		0.000279	0.00100
Di-isopropyl ether	U		0.000248	0.00100

Method Blank (MB)

(MB) R3270329-3 12/02/17 00:24

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Ethylbenzene	U		0.000297	0.00100
Hexachloro-1,3-butadiene	U		0.000342	0.00100
2-Hexanone	U		0.00137	0.0100
n-Hexane	U		0.000290	0.0100
Iodomethane	U		0.00253	0.0100
Isopropylbenzene	U		0.000243	0.00100
p-Isopropyltoluene	U		0.000204	0.00100
2-Butanone (MEK)	U		0.00468	0.0100
Methylene Chloride	U		0.00100	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.00188	0.0100
Methyl tert-butyl ether	U		0.000212	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.000206	0.00100
Styrene	U		0.000234	0.00100
1,1,1,2-Tetrachloroethane	U		0.000264	0.00100
1,1,2,2-Tetrachloroethane	U		0.000365	0.00100
Tetrachloroethene	U		0.000276	0.00100
Toluene	U		0.000434	0.00500
1,1,2-Trichlorotrifluoroethane	U		0.000365	0.00100
1,2,3-Trichlorobenzene	U		0.000306	0.00100
1,2,4-Trichlorobenzene	U		0.000388	0.00100
1,1,1-Trichloroethane	U		0.000286	0.00100
1,1,2-Trichloroethane	U		0.000277	0.00100
Trichloroethene	U		0.000279	0.00100
Trichlorofluoromethane	U		0.000382	0.00500
1,2,3-Trichloropropane	U		0.000741	0.00250
1,2,3-Trimethylbenzene	U		0.000287	0.00100
1,2,4-Trimethylbenzene	U		0.000211	0.00100
1,3,5-Trimethylbenzene	U		0.000266	0.00100
Vinyl acetate	U		0.00239	0.0100
Vinyl chloride	U		0.000291	0.00100
Xylenes, Total	U		0.000698	0.00300
(S) Toluene-d8	*104*			*80.0-120*
(S) Dibromofluoromethane	*96.0*			*74.0-131*
(S) 4-Bromofluorobenzene	*90.0*			*64.0-132*

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

(LCS) R3270329-1 12/01/17 23:24 • (LCSD) R3270329-2 12/01/17 23:44

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.125	0.157	0.129	125	104	11.0-160			19.1	23
Acrylonitrile	0.125	0.150	0.129	120	104	61.0-143			14.7	20
Benzene	0.0250	0.0234	0.0221	93.8	88.3	71.0-124			6.01	20
Bromobenzene	0.0250	0.0224	0.0207	89.8	83.0	78.0-120			7.90	20
Bromodichloromethane	0.0250	0.0254	0.0235	101	94.0	75.0-120			7.61	20
Bromochloromethane	0.0250	0.0295	0.0271	118	108	80.0-121			8.32	20
Bromoform	0.0250	0.0276	0.0248	110	99.1	65.0-133			10.7	20
Bromomethane	0.0250	0.0263	0.0244	105	97.5	26.0-160			7.48	20
n-Butylbenzene	0.0250	0.0233	0.0223	93.0	89.3	73.0-126			4.08	20
sec-Butylbenzene	0.0250	0.0239	0.0227	95.5	90.8	75.0-121			5.11	20
tert-Butylbenzene	0.0250	0.0251	0.0235	100	94.0	74.0-122			6.61	20
Carbon disulfide	0.0250	0.0191	0.0181	76.5	72.3	53.0-130			5.64	20
Carbon tetrachloride	0.0250	0.0222	0.0211	88.8	84.3	66.0-123			5.19	20
Chlorobenzene	0.0250	0.0275	0.0262	110	105	79.0-121			4.79	20
Chlorodibromomethane	0.0250	0.0288	0.0265	115	106	74.0-128			8.39	20
Chloroethane	0.0250	0.0196	0.0184	78.6	73.7	51.0-147			6.35	20
Chloroform	0.0250	0.0246	0.0233	98.3	93.3	73.0-123			5.26	20
Chloromethane	0.0250	0.0202	0.0192	80.7	76.7	51.0-138			5.08	20
2-Chlorotoluene	0.0250	0.0233	0.0221	93.1	88.2	72.0-124			5.44	20
4-Chlorotoluene	0.0250	0.0231	0.0218	92.3	87.3	78.0-120			5.59	20
1,2-Dibromo-3-Chloropropane	0.0250	0.0307	0.0254	123	102	65.0-126			19.0	20
1,2-Dibromoethane	0.0250	0.0314	0.0287	126	115	78.0-122	J4		9.17	20
Dibromomethane	0.0250	0.0276	0.0246	110	98.4	79.0-120			11.3	20
1,2-Dichlorobenzene	0.0250	0.0274	0.0255	110	102	80.0-120			7.48	20
1,3-Dichlorobenzene	0.0250	0.0261	0.0245	105	98.1	72.0-123			6.33	20
1,4-Dichlorobenzene	0.0250	0.0262	0.0246	105	98.6	77.0-120			6.10	20
trans-1,4-Dichloro-2-butene	0.0250	0.0222	0.0194	88.7	77.7	68.0-126			13.2	20
Dichlorodifluoromethane	0.0250	0.0256	0.0241	102	96.5	49.0-155			5.97	20
1,1-Dichloroethane	0.0250	0.0237	0.0225	94.6	90.0	70.0-128			5.01	20
1,2-Dichloroethane	0.0250	0.0261	0.0238	104	95.4	69.0-128			9.07	20
1,1-Dichloroethene	0.0250	0.0223	0.0211	89.4	84.3	63.0-131			5.80	20
cis-1,2-Dichloroethene	0.0250	0.0251	0.0237	100	94.6	74.0-123			5.96	20
trans-1,2-Dichloroethene	0.0250	0.0218	0.0208	87.3	83.3	72.0-122			4.63	20
1,2-Dichloropropane	0.0250	0.0250	0.0230	100	92.0	75.0-126			8.41	20
1,1-Dichloropropene	0.0250	0.0227	0.0217	91.0	86.7	72.0-130			4.80	20
1,3-Dichloropropane	0.0250	0.0285	0.0257	114	103	80.0-121			10.3	20
cis-1,3-Dichloropropene	0.0250	0.0257	0.0243	103	97.4	80.0-125			5.43	20
trans-1,3-Dichloropropene	0.0250	0.0260	0.0239	104	95.8	75.0-129			8.22	20
2,2-Dichloropropane	0.0250	0.0215	0.0204	85.8	81.6	60.0-129			5.07	20
Di-isopropyl ether	0.0250	0.0232	0.0213	92.8	85.1	62.0-133			8.67	20

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

(LCS) R3270329-1 12/01/17 23:24 • (LCSD) R3270329-2 12/01/17 23:44

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Ethylbenzene	0.0250	0.0266	0.0254	106	102	77.0-120			4.39	20
Hexachloro-1,3-butadiene	0.0250	0.0299	0.0284	119	114	68.0-128			5.10	20
2-Hexanone	0.125	0.150	0.121	120	96.5	61.0-143		J3	21.6	20
n-Hexane	0.0250	0.0200	0.0187	79.9	75.0	57.0-125			6.34	20
Iodomethane	0.125	0.135	0.128	108	102	67.0-132			5.21	20
Isopropylbenzene	0.0250	0.0240	0.0228	96.1	91.0	75.0-120			5.43	20
p-Isopropyltoluene	0.0250	0.0248	0.0236	99.1	94.2	74.0-125			5.09	20
2-Butanone (MEK)	0.125	0.150	0.123	120	98.6	37.0-159			19.3	20
Methylene Chloride	0.0250	0.0248	0.0234	99.2	93.7	67.0-123			5.72	20
4-Methyl-2-pentanone (MIBK)	0.125	0.145	0.121	116	97.2	60.0-144			17.3	20
Methyl tert-butyl ether	0.0250	0.0279	0.0248	112	99.2	66.0-125			11.9	20
Naphthalene	0.0250	0.0299	0.0266	120	106	64.0-125			11.8	20
n-Propylbenzene	0.0250	0.0230	0.0217	91.9	86.9	78.0-120			5.59	20
Styrene	0.0250	0.0244	0.0231	97.5	92.2	78.0-124			5.52	20
1,1,1,2-Tetrachloroethane	0.0250	0.0283	0.0263	113	105	74.0-124			7.09	20
1,1,2,2-Tetrachloroethane	0.0250	0.0254	0.0226	102	90.4	73.0-120			11.7	20
Tetrachloroethene	0.0250	0.0282	0.0269	113	108	70.0-127			4.71	20
Toluene	0.0250	0.0255	0.0244	102	97.7	77.0-120			4.37	20
1,1,2-Trichlorotrifluoroethane	0.0250	0.0235	0.0221	93.8	88.5	64.0-135			5.83	20
1,2,3-Trichlorobenzene	0.0250	0.0290	0.0270	116	108	68.0-126			7.33	20
1,2,4-Trichlorobenzene	0.0250	0.0273	0.0258	109	103	70.0-127			5.51	20
1,1,1-Trichloroethane	0.0250	0.0234	0.0222	93.5	88.8	69.0-125			5.16	20
1,1,2-Trichloroethane	0.0250	0.0300	0.0266	120	106	78.0-120			11.9	20
Trichloroethene	0.0250	0.0279	0.0258	112	103	79.0-120			7.89	20
Trichlorofluoromethane	0.0250	0.0220	0.0209	88.0	83.7	59.0-136			5.07	20
1,2,3-Trichloropropane	0.0250	0.0289	0.0247	116	98.8	73.0-124			15.7	20
1,2,3-Trimethylbenzene	0.0250	0.0250	0.0236	99.9	94.6	76.0-120			5.45	20
1,2,4-Trimethylbenzene	0.0250	0.0242	0.0230	97.0	91.9	75.0-120			5.32	20
1,3,5-Trimethylbenzene	0.0250	0.0235	0.0222	94.1	89.0	75.0-120			5.55	20
Vinyl acetate	0.125	0.102	0.0990	81.4	79.2	58.0-156			2.66	20
Vinyl chloride	0.0250	0.0214	0.0204	85.4	81.6	63.0-134			4.58	20
Xylenes, Total	0.0750	0.0806	0.0769	107	103	77.0-120			4.70	20
(S) Toluene-d8				*100*	*102*	*80.0-120*				
(S) Dibromofluoromethane				*100*	*99.5*	*74.0-131*				
(S) 4-Bromofluorobenzene				*90.3*	*89.1*	*64.0-132*				

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

L954448-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L954448-01 12/02/17 01:04 • (MS) R3270329-4 12/02/17 20:10 • (MSD) R3270329-5 12/02/17 20:30

Analyte	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
Acetone	0.143	U	0.0740	0.0848	51.9	59.4	1	10.0-160			13.6	36
Acrylonitrile	0.143	U	0.116	0.136	81.6	95.4	1	14.0-160			15.6	33
Benzene	0.0285	U	0.0166	0.0172	58.2	60.2	1	13.0-146			3.47	27
Bromobenzene	0.0285	U	0.0128	0.0136	44.9	47.6	1	10.0-149			5.99	33
Bromodichloromethane	0.0285	U	0.0175	0.0186	61.3	65.2	1	15.0-142			6.19	28
Bromochloromethane	0.0285	U	0.0211	0.0237	73.9	83.0	1	24.0-146			11.6	27
Bromoform	0.0285	U	0.0198	0.0218	69.3	76.4	1	10.0-147			9.76	31
Bromomethane	0.0285	U	0.0177	0.0178	61.9	62.5	1	10.0-160			0.976	32
n-Butylbenzene	0.0285	U	0.0114	0.0121	39.9	42.3	1	10.0-154			5.87	37
sec-Butylbenzene	0.0285	U	0.0139	0.0146	48.8	51.2	1	10.0-151			4.89	36
tert-Butylbenzene	0.0285	U	0.0155	0.0162	54.3	56.6	1	10.0-152			4.11	35
Carbon disulfide	0.0285	U	0.0126	0.0126	44.0	44.0	1	10.0-141			0.116	30
Carbon tetrachloride	0.0285	U	0.0156	0.0162	54.8	56.8	1	13.0-140			3.58	30
Chlorobenzene	0.0285	U	0.0164	0.0169	57.6	59.3	1	10.0-149			2.94	31
Chlorodibromomethane	0.0285	U	0.0201	0.0217	70.4	76.1	1	12.0-147			7.87	29
Chloroethane	0.0285	U	0.0137	0.0140	48.0	49.1	1	10.0-159			2.30	33
Chloroform	0.0285	U	0.0171	0.0184	60.1	64.3	1	18.0-148			6.82	28
Chloromethane	0.0285	U	0.0142	0.0144	49.9	50.5	1	10.0-146			1.18	29
2-Chlorotoluene	0.0285	U	0.0133	0.0138	46.6	48.4	1	10.0-151			3.83	35
4-Chlorotoluene	0.0285	U	0.0120	0.0127	41.9	44.6	1	10.0-150			6.30	35
1,2-Dibromo-3-Chloropropane	0.0285	U	0.0245	0.0285	85.9	99.9	1	10.0-149			15.0	34
1,2-Dibromoethane	0.0285	U	0.0223	0.0245	78.1	85.7	1	14.0-145			9.19	28
Dibromomethane	0.0285	U	0.0207	0.0228	72.6	79.8	1	18.0-144			9.44	27
1,2-Dichlorobenzene	0.0285	U	0.0145	0.0160	50.8	56.2	1	10.0-153			9.96	34
1,3-Dichlorobenzene	0.0285	U	0.0127	0.0136	44.5	47.7	1	10.0-150			6.99	35
1,4-Dichlorobenzene	0.0285	U	0.0127	0.0137	44.3	48.1	1	10.0-148			8.14	34
trans-1,4-Dichloro-2-butene	0.0285	U	0.0161	0.0177	56.3	62.0	1	10.0-160			9.65	40
Dichlorodifluoromethane	0.0285	U	0.0193	0.0192	67.7	67.3	1	10.0-160			0.596	30
1,1-Dichloroethane	0.0285	U	0.0168	0.0174	58.7	60.8	1	19.0-148			3.54	28
1,2-Dichloroethane	0.0285	U	0.0190	0.0208	66.6	73.0	1	17.0-147			9.28	27
1,1-Dichloroethene	0.0285	U	0.0160	0.0163	56.1	57.0	1	10.0-150			1.51	31
cis-1,2-Dichloroethene	0.0285	0.000455	0.0196	0.0195	66.9	66.8	1	16.0-145			0.162	28
trans-1,2-Dichloroethene	0.0285	U	0.0150	0.0156	52.7	54.8	1	11.0-142			4.01	29
1,2-Dichloropropane	0.0285	U	0.0166	0.0174	58.0	60.9	1	17.0-148			4.75	28
1,1-Dichloropropene	0.0285	U	0.0162	0.0166	56.7	58.2	1	10.0-150			2.69	30
1,3-Dichloropropane	0.0285	U	0.0204	0.0218	71.5	76.3	1	16.0-148			6.48	27
cis-1,3-Dichloropropene	0.0285	U	0.0162	0.0171	56.6	60.1	1	13.0-150			5.90	28
trans-1,3-Dichloropropene	0.0285	U	0.0162	0.0170	56.9	59.4	1	10.0-152			4.33	29
2,2-Dichloropropane	0.0285	U	0.0142	0.0149	49.7	52.3	1	16.0-143			5.13	30

L954448-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L954448-01 12/02/17 01:04 • (MS) R3270329-4 12/02/17 20:10 • (MSD) R3270329-5 12/02/17 20:30

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Di-isopropyl ether	0.0285	U	0.0156	0.0169	54.6	59.3	1	16.0-149			8.31	28
Ethylbenzene	0.0285	U	0.0167	0.0168	58.6	58.9	1	10.0-147			0.428	31
Hexachloro-1,3-butadiene	0.0285	U	0.0140	0.0155	49.1	54.3	1	10.0-154			10.1	40
2-Hexanone	0.143	U	0.0965	0.109	67.6	76.1	1	12.0-158			11.8	30
n-Hexane	0.0285	U	0.0129	0.0137	45.1	48.1	1	10.0-140			6.36	34
Iodomethane	0.143	U	0.0974	0.102	68.3	71.2	1	10.0-157			4.16	34
Isopropylbenzene	0.0285	U	0.0145	0.0149	50.6	52.2	1	10.0-147			3.08	33
p-Isopropyltoluene	0.0285	U	0.0136	0.0141	47.7	49.3	1	10.0-156			3.34	37
2-Butanone (MEK)	0.143	U	0.0794	0.0916	55.6	64.2	1	10.0-160			14.3	33
Methylene Chloride	0.0285	U	0.0176	0.0191	61.6	67.0	1	16.0-139			8.37	29
4-Methyl-2-pentanone (MIBK)	0.143	U	0.120	0.134	84.4	94.1	1	12.0-160			10.9	32
Methyl tert-butyl ether	0.0285	U	0.0204	0.0234	71.3	81.8	1	21.0-145			13.7	29
Naphthalene	0.0285	U	0.0162	0.0193	56.8	67.5	1	10.0-153			17.3	36
n-Propylbenzene	0.0285	U	0.0129	0.0134	45.0	47.0	1	10.0-151			4.18	34
Styrene	0.0285	U	0.0105	0.0113	37.0	39.6	1	10.0-155			6.83	34
1,1,1,2-Tetrachloroethane	0.0285	U	0.0182	0.0194	63.6	68.0	1	10.0-147			6.67	30
1,1,2,2-Tetrachloroethane	0.0285	U	0.0193	0.0218	67.6	76.2	1	10.0-155			12.0	31
Tetrachloroethene	0.0285	0.0154	0.0394	0.0308	84.2	54.0	1	10.0-144			24.6	32
Toluene	0.0285	U	0.0165	0.0166	58.0	58.1	1	10.0-144			0.318	28
1,1,2-Trichlorotrifluoroethane	0.0285	U	0.0167	0.0180	58.6	63.0	1	10.0-153			7.31	33
1,2,3-Trichlorobenzene	0.0285	U	0.0121	0.0139	42.3	48.8	1	10.0-153			14.2	40
1,2,4-Trichlorobenzene	0.0285	U	0.00991	0.0113	34.7	39.7	1	10.0-156			13.3	40
1,1,1-Trichloroethane	0.0285	U	0.0167	0.0176	58.5	61.5	1	18.0-145			5.11	29
1,1,2-Trichloroethane	0.0285	U	0.0214	0.0226	75.1	79.3	1	12.0-151			5.35	28
Trichloroethene	0.0285	0.000798	0.0199	0.0194	67.0	65.2	1	11.0-148			2.65	29
Trichlorofluoromethane	0.0285	U	0.0159	0.0163	55.7	57.1	1	10.0-157			2.41	34
1,2,3-Trichloropropane	0.0285	U	0.0226	0.0252	79.2	88.4	1	10.0-154			11.0	32
1,2,3-Trimethylbenzene	0.0285	U	0.0151	0.0160	52.9	56.2	1	10.0-150			6.04	33
1,2,4-Trimethylbenzene	0.0285	U	0.0130	0.0137	45.4	48.0	1	10.0-151			5.65	34
1,3,5-Trimethylbenzene	0.0285	U	0.0131	0.0138	46.0	48.5	1	10.0-150			5.31	33
Vinyl acetate	0.143	U	0.0152	0.0159	10.7	11.2	1	10.0-160			4.63	40
Vinyl chloride	0.0285	U	0.0157	0.0153	55.0	53.7	1	10.0-150			2.35	29
Xylenes, Total	0.0856	U	0.0488	0.0497	56.9	58.0	1	10.0-150			1.86	31
(S) Toluene-d8					*97.3*	*95.9*		*80.0-120*				
(S) Dibromofluoromethane					*103*	*105*		*74.0-131*				
(S) 4-Bromofluorobenzene					*88.3*	*87.2*		*64.0-132*				

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

Method Blank (MB)

(MB) R3270476-3 12/02/17 12:57

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acetone	U		0.0100	0.0500
Acrylonitrile	U		0.00179	0.0100
Benzene	U		0.000270	0.00100
Bromobenzene	U		0.000284	0.00100
Bromodichloromethane	U		0.000254	0.00100
Bromochloromethane	U		0.000390	0.00500
Bromoform	U		0.000424	0.00100
Bromomethane	U		0.00134	0.00500
n-Butylbenzene	U		0.000258	0.00100
sec-Butylbenzene	U		0.000201	0.00100
tert-Butylbenzene	U		0.000206	0.00100
Carbon disulfide	U		0.000221	0.00100
Carbon tetrachloride	U		0.000328	0.00100
Chlorobenzene	U		0.000212	0.00100
Chlorodibromomethane	U		0.000373	0.00100
Chloroethane	U		0.000946	0.00500
Chloroform	U		0.000229	0.00500
Chloromethane	U		0.000375	0.00250
2-Chlorotoluene	U		0.000301	0.00100
4-Chlorotoluene	U		0.000240	0.00100
1,2-Dibromo-3-Chloropropane	U		0.00105	0.00500
1,2-Dibromoethane	U		0.000343	0.00100
Dibromomethane	U		0.000382	0.00100
1,2-Dichlorobenzene	U		0.000305	0.00100
1,3-Dichlorobenzene	U		0.000239	0.00100
1,4-Dichlorobenzene	U		0.000226	0.00100
trans-1,4-Dichloro-2-butene	U		0.000778	0.00250
Dichlorodifluoromethane	U		0.000713	0.00500
1,1-Dichloroethane	U		0.000199	0.00100
1,2-Dichloroethane	U		0.000265	0.00100
1,1-Dichloroethene	U		0.000303	0.00100
cis-1,2-Dichloroethene	U		0.000235	0.00100
trans-1,2-Dichloroethene	U		0.000264	0.00100
1,2-Dichloropropane	U		0.000358	0.00100
1,1-Dichloropropene	U		0.000317	0.00100
1,3-Dichloropropane	U		0.000207	0.00100
cis-1,3-Dichloropropene	U		0.000262	0.00100
trans-1,3-Dichloropropene	U		0.000267	0.00100
2,2-Dichloropropane	U		0.000279	0.00100
Di-isopropyl ether	U		0.000248	0.00100

Method Blank (MB)

(MB) R3270476-3 12/02/17 12:57

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Ethylbenzene	U		0.000297	0.00100
2-Hexanone	U		0.00137	0.0100
Hexachloro-1,3-butadiene	U		0.000342	0.00100
Iodomethane	U		0.00253	0.0100
n-Hexane	U		0.000290	0.0100
Isopropylbenzene	U		0.000243	0.00100
p-Isopropyltoluene	U		0.000204	0.00100
2-Butanone (MEK)	U		0.00468	0.0100
Methylene Chloride	U		0.00100	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.00188	0.0100
Methyl tert-butyl ether	U		0.000212	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.000206	0.00100
Styrene	U		0.000234	0.00100
1,1,1,2-Tetrachloroethane	U		0.000264	0.00100
1,1,2,2-Tetrachloroethane	U		0.000365	0.00100
Tetrachloroethene	U		0.000276	0.00100
Toluene	U		0.000434	0.00500
1,1,2-Trichlorotrifluoroethane	U		0.000365	0.00100
1,2,3-Trichlorobenzene	U		0.000306	0.00100
1,2,4-Trichlorobenzene	U		0.000388	0.00100
1,1,1-Trichloroethane	U		0.000286	0.00100
1,1,2-Trichloroethane	U		0.000277	0.00100
Trichloroethene	U		0.000279	0.00100
Trichlorofluoromethane	U		0.000382	0.00500
Vinyl acetate	U		0.00239	0.0100
1,2,3-Trichloropropane	U		0.000741	0.00250
1,2,3-Trimethylbenzene	U		0.000287	0.00100
1,2,4-Trimethylbenzene	U		0.000211	0.00100
1,3,5-Trimethylbenzene	U		0.000266	0.00100
Vinyl chloride	U		0.000291	0.00100
Xylenes, Total	U		0.000698	0.00300
(S) Toluene-d8	*107*			*80.0-120*
(S) Dibromofluoromethane	*99.4*			*74.0-131*
(S) 4-Bromofluorobenzene	*97.5*			*64.0-132*

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

(LCS) R3270476-1 12/02/17 11:39 • (LCSD) R3270476-2 12/02/17 11:59

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.125	0.133	0.135	107	108	11.0-160			0.970	23
Acrylonitrile	0.125	0.124	0.129	98.9	104	61.0-143			4.52	20
Benzene	0.0250	0.0257	0.0265	103	106	71.0-124			3.33	20
Bromobenzene	0.0250	0.0260	0.0259	104	104	78.0-120			0.387	20
Bromodichloromethane	0.0250	0.0266	0.0274	106	110	75.0-120			2.97	20
Bromoform	0.0250	0.0272	0.0274	109	110	65.0-133			0.738	20
Bromochloromethane	0.0250	0.0260	0.0272	104	109	80.0-121			4.47	20
Bromomethane	0.0250	0.0284	0.0305	114	122	26.0-160			7.17	20
n-Butylbenzene	0.0250	0.0286	0.0288	114	115	73.0-126			0.891	20
sec-Butylbenzene	0.0250	0.0281	0.0278	112	111	75.0-121			1.10	20
tert-Butylbenzene	0.0250	0.0281	0.0273	112	109	74.0-122			2.76	20
Carbon disulfide	0.0250	0.0262	0.0285	105	114	53.0-130			8.38	20
Carbon tetrachloride	0.0250	0.0250	0.0267	100	107	66.0-123			6.45	20
Chlorobenzene	0.0250	0.0256	0.0270	102	108	79.0-121			5.15	20
Chlorodibromomethane	0.0250	0.0274	0.0278	109	111	74.0-128			1.72	20
Chloroethane	0.0250	0.0258	0.0282	103	113	51.0-147			8.63	20
Chloroform	0.0250	0.0254	0.0270	102	108	73.0-123			5.93	20
Chloromethane	0.0250	0.0274	0.0302	110	121	51.0-138			9.50	20
2-Chlorotoluene	0.0250	0.0274	0.0276	109	110	72.0-124			0.733	20
4-Chlorotoluene	0.0250	0.0274	0.0274	110	109	78.0-120			0.318	20
1,2-Dibromo-3-Chloropropane	0.0250	0.0269	0.0277	108	111	65.0-126			3.17	20
1,2-Dibromoethane	0.0250	0.0257	0.0262	103	105	78.0-122			2.13	20
Dibromomethane	0.0250	0.0270	0.0278	108	111	79.0-120			2.87	20
1,2-Dichlorobenzene	0.0250	0.0272	0.0277	109	111	80.0-120			1.84	20
1,3-Dichlorobenzene	0.0250	0.0277	0.0272	111	109	72.0-123			1.59	20
1,4-Dichlorobenzene	0.0250	0.0271	0.0273	108	109	77.0-120			0.573	20
Dichlorodifluoromethane	0.0250	0.0330	0.0361	132	145	49.0-155			9.05	20
trans-1,4-Dichloro-2-butene	0.0250	0.0264	0.0276	106	110	68.0-126			4.32	20
1,1-Dichloroethane	0.0250	0.0259	0.0276	104	111	70.0-128			6.51	20
1,2-Dichloroethane	0.0250	0.0257	0.0267	103	107	69.0-128			3.87	20
1,1-Dichloroethene	0.0250	0.0255	0.0276	102	111	63.0-131			7.88	20
cis-1,2-Dichloroethene	0.0250	0.0247	0.0261	98.6	104	74.0-123			5.75	20
trans-1,2-Dichloroethene	0.0250	0.0265	0.0287	106	115	72.0-122			8.19	20
1,2-Dichloropropane	0.0250	0.0269	0.0274	108	110	75.0-126			1.97	20
1,1-Dichloropropene	0.0250	0.0260	0.0266	104	106	72.0-130			2.51	20
1,3-Dichloropropane	0.0250	0.0268	0.0273	107	109	80.0-121			2.04	20
cis-1,3-Dichloropropene	0.0250	0.0277	0.0283	111	113	80.0-125			2.25	20
trans-1,3-Dichloropropene	0.0250	0.0273	0.0283	109	113	75.0-129			3.49	20
2,2-Dichloropropane	0.0250	0.0251	0.0268	100	107	60.0-129			6.63	20
Di-isopropyl ether	0.0250	0.0265	0.0277	106	111	62.0-133			4.69	20

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

(LCS) R3270476-1 12/02/17 11:39 • (LCSD) R3270476-2 12/02/17 11:59

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Ethylbenzene	0.0250	0.0254	0.0261	102	104	77.0-120			2.52	20
Hexachloro-1,3-butadiene	0.0250	0.0281	0.0280	112	112	68.0-128			0.343	20
n-Hexane	0.0250	0.0284	0.0290	114	116	57.0-125			2.14	20
2-Hexanone	0.125	0.140	0.144	112	115	61.0-143			3.12	20
Isopropylbenzene	0.0250	0.0270	0.0269	108	108	75.0-120			0.381	20
Iodomethane	0.125	0.126	0.136	101	109	67.0-132			7.92	20
p-Isopropyltoluene	0.0250	0.0286	0.0286	115	114	74.0-125			0.155	20
2-Butanone (MEK)	0.125	0.135	0.135	108	108	37.0-159			0.0105	20
Methylene Chloride	0.0250	0.0246	0.0266	98.5	106	67.0-123			7.58	20
4-Methyl-2-pentanone (MIBK)	0.125	0.130	0.135	104	108	60.0-144			3.29	20
Methyl tert-butyl ether	0.0250	0.0252	0.0273	101	109	66.0-125			8.24	20
Naphthalene	0.0250	0.0249	0.0256	99.7	102	64.0-125			2.48	20
n-Propylbenzene	0.0250	0.0275	0.0271	110	109	78.0-120			1.19	20
Styrene	0.0250	0.0279	0.0272	112	109	78.0-124			2.41	20
1,1,1,2-Tetrachloroethane	0.0250	0.0248	0.0268	99.3	107	74.0-124			7.59	20
1,1,2,2-Tetrachloroethane	0.0250	0.0252	0.0257	101	103	73.0-120			1.92	20
Tetrachloroethene	0.0250	0.0276	0.0282	110	113	70.0-127			2.09	20
Toluene	0.0250	0.0259	0.0267	103	107	77.0-120			3.22	20
1,1,2-Trichlorotrifluoroethane	0.0250	0.0275	0.0301	110	120	64.0-135			9.20	20
1,2,3-Trichlorobenzene	0.0250	0.0278	0.0286	111	114	68.0-126			2.85	20
1,2,4-Trichlorobenzene	0.0250	0.0286	0.0292	114	117	70.0-127			1.99	20
1,1,1-Trichloroethane	0.0250	0.0259	0.0272	104	109	69.0-125			4.81	20
1,1,2-Trichloroethane	0.0250	0.0260	0.0261	104	104	78.0-120			0.260	20
Trichloroethene	0.0250	0.0261	0.0271	104	108	79.0-120			3.71	20
Trichlorofluoromethane	0.0250	0.0268	0.0289	107	115	59.0-136			7.40	20
1,2,3-Trichloropropane	0.0250	0.0261	0.0263	105	105	73.0-124			0.476	20
1,2,3-Trimethylbenzene	0.0250	0.0271	0.0278	109	111	76.0-120			2.30	20
1,2,4-Trimethylbenzene	0.0250	0.0283	0.0286	113	114	75.0-120			1.15	20
1,3,5-Trimethylbenzene	0.0250	0.0279	0.0277	112	111	75.0-120			0.598	20
Vinyl chloride	0.0250	0.0268	0.0294	107	118	63.0-134			9.43	20
Xylenes, Total	0.0750	0.0795	0.0819	106	109	77.0-120			2.97	20
Vinyl acetate	0.125	0.142	0.137	114	109	58.0-156			4.29	20
(S) Toluene-d8				*103*	*104*	*80.0-120*				
(S) Dibromofluoromethane				*96.9*	*96.6*	*74.0-131*				
(S) 4-Bromofluorobenzene				*100*	*97.3*	*64.0-132*				

Guide to Reading and Understanding Your Laboratory Report

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

Abbreviations and Definitions

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

Qualifier	Description
J	The identification of the analyte is acceptable; the reported value is an estimate.
J0	J0: Calibration verification outside of acceptance limits. Result is estimated.
J1	Surrogate recovery limits have been exceeded; values are outside upper control limits.
J3	The associated batch QC was outside the established quality control range for precision.
J4	The associated batch QC was outside the established quality control range for accuracy.

ACCREDITATIONS & LOCATIONS

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

State Accreditations

Alabama	40660	Nevada	TN-03-2002-34
Alaska	UST-080	New Hampshire	2975
Arizona	AZ0612	New Jersey–NELAP	TN002
Arkansas	88-0469	New Mexico	TN00003
California	01157CA	New York	11742
Colorado	TN00003	North Carolina	Env375
Conneticut	PH-0197	North Carolina [1]	DW21704
Florida	E87487	North Carolina [2]	41
Georgia	NELAP	North Dakota	R-140
Georgia [1]	923	Ohio–VAP	CL0069
Idaho	TN00003	Oklahoma	9915
Illinois	200008	Oregon	TN200002
Indiana	C-TN-01	Pennsylvania	68-02979
Iowa	364	Rhode Island	221
Kansas	E-10277	South Carolina	84004
Kentucky [1]	90010	South Dakota	n/a
Kentucky [2]	16	Tennessee [1,4]	2006
Louisiana	AI30792	Texas	T 104704245-07-TX
Maine	TN0002	Texas [5]	LAB0152
Maryland	324	Utah	6157585858
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	109
Minnesota	047-999-395	Washington	C1915
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	9980939910
Montana	CERT0086	Wyoming	A2LA
Nebraska	NE-OS-15-05		

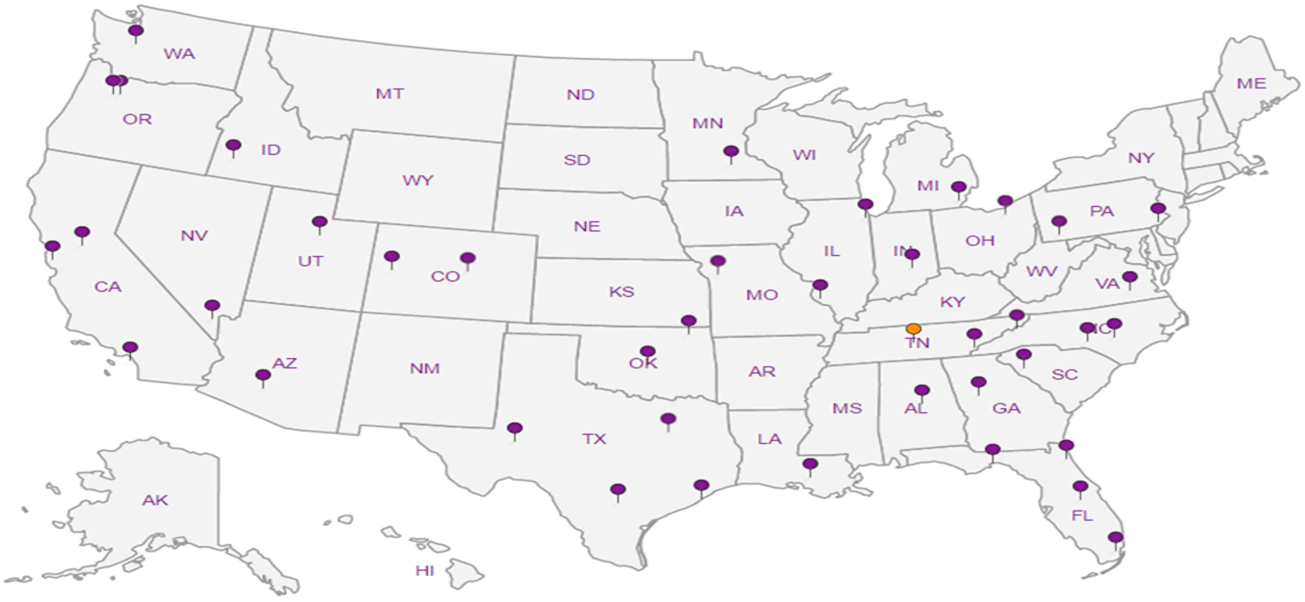
Third Party & Federal Accreditations

A2LA – ISO 17025	1461.01	AIHA-LAP,LLC	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	S-67674
EPA–Crypto	TN00003		

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

Our Locations

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



PES Environmental, Inc.- WA

1215 Fourth Ave., Suite 1350
Seattle, WA 98161

Billing Information:

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

Pres Chk

Chain of Custody Page 1 of ___

ESC
L·A·B S·C·I·E·N·C·E·S
a subsidiary of Pace Analytical

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

Report to:
Bill Haldeman

Email To: **bhaldeman@pesenv.com**

Project Description: **American Linen Project**

City/State Collected: Seattle, WA

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

Client Project #
1413.001.02.602

Lab Project #
PESENVSWA-ALP

L# L954448

Table # B083

Collected by (print): Karsten Springstead

Site/Facility ID #: 1413.001.02.602

P.O. #: 1413.001.02.602

Quote #

Collected by (signature):

Immediately Packed on Ice N___ Y X

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

Date Results Needed

Acctnum: **PESENVSWA**
Template: **T130006**
Prelogin: **P626805**
TSR: **110 - Brian Ford**
PB: 11-14-17CS
Shipped Via: **FedEX Ground**

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260C VOCs 40ml/NaHS04/Syr/MeOH	dry wt/voc screen 2ozClr-NoPres	Remarks	Sample # (lab only)
B-227-6	Grab	SS	6	11-28-17	1310	5	X	X		-01
B-227-11	↓	SS	11	↓	1320	↓	↓	↓		-02
B-227-16	↓	SS	16	↓	1330	↓	↓	↓		-03
B-227-21	↓	SS	21	↓	1340	↓	↓	↓		-04
B-227-26	↓	SS	26	↓	1355	↓	↓	↓		-05
B-227-31	↓	SS	31	↓	1405	↓	↓	↓		-06
B-227-36	↓	SS	36	↓	1415	↓	↓	↓		-07
B-227-40.5	↓	SS	40.5	↓	1420	↓	HOLD		Hold	
B-228-6	Grab	SS	6	11-29-17	840	5	X	X		-08
B-228-11	Grab	SS	11	11-29-17	850	5	X	X		-09

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

Remarks:

pH ______ Temp ______
Flow ______ Other ______

Samples returned via:
___ UPS X FedEx ___ Courier ___ ______

Tracking # 4142 5219 0917

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

Relinquished by : (Signature)
Date: 11-30-17
Time: 800

Received by: (Signature)

Trip Blank Received: [✓ Yes] / No
HCL / MeoH
TBR
2xTB

Relinquished by : (Signature)
Date:
Time:

Received by: (Signature)

Temp: 3.0 °C
Bottles Received: 124

If preservation required by Login: Date/Time

Relinquished by : (Signature)
Date:
Time:

Received for lab by: (Signature) 841

Date: 12/1/17
Time: 0845

11-161

Condition: NCF / [✓ OK]

PES Environmental, Inc.- WA

1215 Fourth Ave., Suite 1350
Seattle, WA 98161

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

Pres Chk

Chain of Custody Page 2 of __

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a subsidiary of PaceAnalytical

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

Report to: **Bill Haldeman**

Email To: bhaldeman@pesenv.com

Project Description: **American Linen Project**

City/State Collected: Seattle, WA

L# L954448

Table #

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

Client Project # **1413.001.02.602**

Lab Project # **PESENVSWA-ALP**

Collected by (print): Karsten Springstead

Site/Facility ID # 1413.001.02.602

P.O. # 1413.001.02.602

Acctnum: **PESENVSWA**
Template: **T130006**
Prelogin: **P626805**
TSR: **110 - Brian Ford**
PB: 11-14-17 CS
Shipped Via: **FedEX Ground**

Collected by (signature):

Immediately Packed on Ice N___ Y X

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

Quote #

Date Results Needed

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260C VOCs 40ml/NaHS04/Syr/MeOH	dry wt/voc screen 2ozClr-NoPres	Remarks	Sample # (lab only)
B-228-16	Grab	SS	16	11-29-17	900	5	X	X		-10
B-228-21		SS	21		920					-11
B-921-22		SS	22		~~9~~730					-12
B-228-26		SS	26		930					-13
B-228-31		SS	31		940					-14
B-228-36		SS	36		1000					-15
B-228-41		SS	41		1010		HOLD		Hold	
B-229-6	Grab	SS	6	11-29-17	1235	5	X	X		-16
B-229-11		SS	11		1245	4	X	X		-17
B-229-16		SS	16		1255	~~4~~ 5 KWS	X	X		-18

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

Remarks:

pH ______ Temp ______

Flow ______ Other ______

Samples returned via:
__ UPS X FedEx __ Courier __ ______

Tracking # 4142 5219 0917

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

Relinquished by : (Signature)	Date: 11-30-17	Time: 800	Received by: (Signature)	Trip Blank Received: [✓ Yes] / No HCL / MeoH TBR 2XTB	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 5.0 °C Bottles Received: 124	If preservation required by Login: Date/Time
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature) 841	Date: 12/1/17 Time: 0845	Hold: Condition: NCF / [✓ OK]

PES Environmental, Inc.- WA

1215 Fourth Ave., Suite 1350
Seattle, WA 98161

Billing Information:

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

Pres Chk

Analysis / Container / Preservative

Chain of Custody Page 3 of __

ESC
L·A·B S·C·I·E·N·C·E·S
a subsidiary of Pace Analytical

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

Report to: **Bill Haldeman**

Email To: **bhaldeman@pesenv.com**

Project Description: **American Linen Project**

City/State Collected: Seattle, WA

L# L954448

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

Client Project # **1413.001.02.602**

Lab Project # **PESENVSWA-ALP**

Table #

Collected by (print): Karsten Spinkstad

Site/Facility ID # 1413.001.02.602

P.O. # 1413.001.02.602

Acctnum: **PESENVSWA**

Template: **T130006**

Prelogin: **P626805**

TSR: **110 - Brian Ford**

PB: 11-14-17 CS

Shipped Via: **FedEX Ground**

Collected by (signature):

Immediately Packed on Ice N ___ Y X

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

Quote #

Date Results Needed

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260C VOCs 40ml/NaHS04/Syr/MeOH	dry wt/voc screen 2ozClr-NoPres	Remarks	Sample # (lab only)
B-229-21	Grab	SS	21	11-29-17	1310	5	X	X		
B-229-25	↓	SS	25	↓	1320	↓	X	X		-19
B-229-31	↓	SS	31	↓	1335	↓	X	X		-20
B-229-36	↓	SS	36	↓	1345	↓	X	X		-21
B-229-41	↓	SS	41	↓	1355	↓	X	X		-22
B-229-45	↓	SS	45	↓	1445	↓	X	X		-23
TRIPBLANK-112917	—	SS	—	—	—	2	X			-24
		SS								
		SS								
		SS								

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

Remarks:

pH ______ Temp ______

Flow ______ Other ______

Samples returned via:
__ UPS X FedEx __ Courier __ ______

Tracking # 4142 5219 0917

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

Relinquished by : (Signature)	Date: 11-30-17	Time: 800	Received by: (Signature)	Trip Blank Received: [✓ Yes] / No HCL / MeoH TBR 2xTB		
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 3.0 °C	Bottles Received: 124	If preservation required by Login: Date/Time
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature) 841	Date: 12/1/17	Time: 0845	Hold:

Condition: NCF / [✓ OK]

ESC Lab Sciences
Non-Conformance Form

Login #: L954448	**Client: PESENVSWA**	**Date: 12/1/17**	**Evaluated by: Troy Dunlap**

Non-Conformance (check applicable items)

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

Login Comments: Did not receive ID B229-21.

Client informed by:		Call		Email	x	Voice Mail	Date:12/01/17	Time:1700
TSR Initials:bjf	Client Contact: Karsten Springstead							

Login Instructions:

Proceed without B229-21

MEMORANDUM

TO: Project File **DATE:** December 22, 2017

FROM: Jessie Compeau

SUBJECT: Laboratory Data Validation Review

PROJECT: Former American Linen Supply Site, Seattle WA

PROJECT #: 1413.001.02.604

TASK: November 28 and 29, 2017 – Soil Samples

LAB: ESC Lab ID L954448

Twenty-six (26) soil samples and a trip blank were collected as part of a sampling event at the Former American Linen Supply Site, in Seattle, Washington, on November 28 and 29, 2017. The samples were shipped and delivered to ESC Lab Sciences (ESC) of Mount Juliet, TN for laboratory analysis. Two soil samples were placed on hold. Selected samples were analyzed for the following:

- Volatile organic compounds (VOCs) by United States Environmental Protection Agency (USEPA) Method 8260C; and
- Total Solids by Standard Methods 2540 G-2011.

The results are reported in ESC Sample Delivery Group (SDG) L954448. The quarterly monitoring round occurred between November and December of 2017. Associated sample data are reported in 5 ESC SDGs (SDGs L953811, L954448, L954694, L955420, and L956226). The quality assurance review of the sample data associated with SDG L954448 is summarized below.

DATA QUALIFICATIONS

Guidelines established by USEPA for a limited data validation review of analytical data along with ESC control limit criteria were used to validate the data. The comments presented in this memorandum refer to the laboratory’s performance in meeting the quality control criteria outlined in the USEPA Contract Laboratory Program National Functional Guidelines for Organic Superfund Methods Data Review (USEPA, 2017).

DATA VALIDATION

Completeness

All samples were collected and analyzed as requested.

Sample Collection and Preservation

Samples were collected on November 28 and 29, 2017 in laboratory-supplied sample containers preserved as appropriate for the individual analyses conducted. The samples were packed on ice and shipped on November 30, 2017 overnight by courier to ESC. The laboratory reported that the cooler and samples were received at 3.0 degrees Centigrade (°C) and below the recommended temperature preservation of 6°C. The laboratory indicated that the samples were received in good condition. No data were qualified based upon the sample collection and preservation information with the following discussion:

- Trip Blank collection date and time are not listed on the chain of custody. No action is taken other than to note this. The laboratory listed a default collection time of November 29, 2017.

- Sample B229-21 was listed on the chain of custody but was not included in the cooler. ESC proceeded without sample B229-21 after confirming with PES on December 1, 2017.

Holding Times

USEPA Method 8260C:
All samples were analyzed for VOCs within the USEPA recommended holding time of fourteen days for soils and preserved water (trip blank) from the date of sample collection. All holding time criteria were met.

General Chemistry (Total Solids):
Samples were analyzed within the USEPA recommended holding time of seven days for total solids. All holding time criteria were met.

Initial and Continuing Calibration

Calibration data for this project are not required for this deliverable however ESC's notes indicate the following:

- *USEPA Method 8260C:* Continuing calibration verification (CCV) issues were noted by ESC for carbon disulfide, chloroethane, chloromethane, n-hexane, and n-propylbenzene associated with analytical batch WG1048646 (analyzed on December 2, 2017). These results are qualified by the laboratory "J0" to indicate that percent difference CCV is outside of laboratory acceptance criteria. **All associated sample results with laboratory qualified J0 results are estimated and qualified (UJ or J).**

Method Blank Results

USEPA Method 8260C:
Laboratory method blanks are included with each analytical batch per method requirement. The target analytes (VOCs) were not detected in the method blanks at or above the reported detection limits (RDLs).

Total Solids by SM 2540 G 2011:
Laboratory method blanks are included with each analytical batch per method requirement. The target analytes (% solids) were not detected at a significant level in the method blanks and sample results are not impacted.

Trip Blank Results

USEPA Method 8260C:
A trip blank was collected and analyzed. The target analytes (VOCs) were not detected in the trip blank at or above the reported detection limits (RDLs).

Field, Rinsate, or Equipment Blank Results

Field, rinsate, or equipment blanks were not collected.

Field Duplicate Analyses

Field duplicate (samples B-228-16/B-921-22) results are comparable and less than 30% RPD with the following exceptions:

- Field duplicate sample pair RPDs are greater than 30% for cis-1,2-dichloroethene, tetrachloroethene, and trichloroethene. **Sample field duplicate (B-228-16/B-921-22) results for cis-1,2-dichloroethene, tetrachloroethene, and trichloroethene are estimated and qualified (J) due to poor field precision.**

Laboratory Duplicate Analyses

USEPA Method 8260C:
A laboratory duplicate sample was not analyzed. Refer to laboratory control sample/sample duplicate (LCS/LCSD) or matrix spike/matrix spike duplicates (MS/MSDs) results for precision data.

Total Solids by SM 2540 G 2011:
Laboratory duplicate sample analyses were performed on client field duplicate samples B-228-16, B-921-22, and on a non-client sample within the analytical batch. The primary/duplicate RPDs for total solids analyses are within the laboratory control limit of 5%.

Surrogate Recoveries

USEPA Method 8260C:
The surrogate recovery results for the samples, LCS/LCSDs, MS/MSDs, and the method blanks are within the laboratory surrogate control limits for all of the analyses with the following exceptions:

- Sample B-229-45 surrogate 4-bromofluorobenzene (associated with initial analysis on December 2, 2017) recovery is above the laboratory control limit criteria. **Sample B-**

229-45 positive detections associated with the December 2, 2017 analysis date are estimated (J+) since the percent recovery is above criteria.

Laboratory Control Samples

USEPA Method 8260C:
LCS/LCSD was analyzed by USEPA Method 8260C method. The LCS/LCSD %Rs and RPDs for the all target compounds are within the laboratory control criteria for soils and waters with the following exception:

- LCS (Batch WG1048646) % recovery for 1,2-dibromoethane is above control limit criteria and qualified by the laboratory (J4). No action was taken since 1,2-dibromoethane is not detected in the associated soil samples.

- LCSD (Batch WG1048646) RPD result for 2-hexanone is above laboratory acceptance criteria (20%) and qualified by the laboratory (J3). No action was taken on this basis as LCS/LCSD percent recovery results are recovered wide but are within control limits.

- LCS (Batch WG1048623 associated with the Trip Blank) recovery for one spike compound (vinyl acetate) result is above laboratory acceptance criteria and qualified by the laboratory (J4). No action was taken on this basis since this compound was not detected in the associated sample.

Total Solids by SM 2540 G 2011:
The LCS %Rs for total solids are within the laboratory control criteria for soils.

Matrix Spike/Matrix Spike Duplicates

USEPA Method 8260C:
Matrix spike/matrix spike duplicate (MS/MSD) analyses was performed on client sample B-227-6 (Batch WG1048646). The MS/MSD %Rs and RPDs for all target compounds are within the laboratory control criteria for soils. Matrix spike analysis was not performed on soil samples associated with analytical batch WG104880. Refer to LCS/LCSD results for precision and accuracy data.

Other Quality Control Issues

No laboratory quality control issues were identified in the laboratory report.

Compound Identification and Quantitation Limits

The RDLs used for this sample group were acceptable for the project. Several samples were diluted due to elevated concentrations of various target analytes.

Detections between the MDL and RDL are estimated (J) by the laboratory and qualified (J) by the data validator to re-emphasize that the detection is estimated.

Data Assessment

The laboratory data reported for this project were reviewed based on laboratory control limit acceptance criteria and criteria outlined in:

- USEPA Contract Laboratory Program National Functional Guidelines for Organic Superfund Methods Data Review (USEPA, 2017).

Data qualifiers were assigned and laboratory report pages with qualifiers are attached. All data, including qualified data, are judged to be acceptable for their intended use.

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

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	87.6		1	12/05/2017 13:36	WG1049600

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0114	0.0571	1	12/02/2017 01:04	WG1048646
Acrylonitrile	U		0.00204	0.0114	1	12/02/2017 01:04	WG1048646
Benzene	U		0.000308	0.00114	1	12/02/2017 01:04	WG1048646
Bromobenzene	U		0.000324	0.00114	1	12/02/2017 01:04	WG1048646
Bromodichloromethane	U		0.000290	0.00114	1	12/02/2017 01:04	WG1048646
Bromochloromethane	U		0.000445	0.00571	1	12/02/2017 01:04	WG1048646
Bromoform	U		0.000484	0.00114	1	12/02/2017 01:04	WG1048646
Bromomethane	U		0.00153	0.00571	1	12/02/2017 01:04	WG1048646
n-Butylbenzene	U		0.000295	0.00114	1	12/02/2017 01:04	WG1048646
sec-Butylbenzene	U		0.000229	0.00114	1	12/02/2017 01:04	WG1048646
tert-Butylbenzene	U		0.000235	0.00114	1	12/02/2017 01:04	WG1048646
Carbon disulfide	U UJ	J0	0.000252	0.00114	1	12/02/2017 01:04	WG1048646
Carbon tetrachloride	U		0.000374	0.00114	1	12/02/2017 01:04	WG1048646
Chlorobenzene	U		0.000242	0.00114	1	12/02/2017 01:04	WG1048646
Chlorodibromomethane	U		0.000426	0.00114	1	12/02/2017 01:04	WG1048646
Chloroethane	U UJ	J0	0.00108	0.00571	1	12/02/2017 01:04	WG1048646
Chloroform	U		0.000261	0.00571	1	12/02/2017 01:04	WG1048646
Chloromethane	U UJ	J0	0.000428	0.00285	1	12/02/2017 01:04	WG1048646
2-Chlorotoluene	U		0.000344	0.00114	1	12/02/2017 01:04	WG1048646
4-Chlorotoluene	U		0.000274	0.00114	1	12/02/2017 01:04	WG1048646
1,2-Dibromo-3-Chloropropane	U		0.00120	0.00571	1	12/02/2017 01:04	WG1048646
1,2-Dibromoethane	U	J4	0.000392	0.00114	1	12/02/2017 01:04	WG1048646
Dibromomethane	U		0.000436	0.00114	1	12/02/2017 01:04	WG1048646
1,2-Dichlorobenzene	U		0.000348	0.00114	1	12/02/2017 01:04	WG1048646
1,3-Dichlorobenzene	U		0.000273	0.00114	1	12/02/2017 01:04	WG1048646
1,4-Dichlorobenzene	U		0.000258	0.00114	1	12/02/2017 01:04	WG1048646
Dichlorodifluoromethane	U		0.000814	0.00571	1	12/02/2017 01:04	WG1048646
1,1-Dichloroethane	U		0.000227	0.00114	1	12/02/2017 01:04	WG1048646
1,2-Dichloroethane	U		0.000303	0.00114	1	12/02/2017 01:04	WG1048646
1,1-Dichloroethene	U		0.000346	0.00114	1	12/02/2017 01:04	WG1048646
cis-1,2-Dichloroethene	0.000455 J	J	0.000268	0.00114	1	12/02/2017 01:04	WG1048646
trans-1,2-Dichloroethene	U		0.000301	0.00114	1	12/02/2017 01:04	WG1048646
1,2-Dichloropropane	U		0.000409	0.00114	1	12/02/2017 01:04	WG1048646
1,1-Dichloropropene	U		0.000362	0.00114	1	12/02/2017 01:04	WG1048646
1,3-Dichloropropane	U		0.000236	0.00114	1	12/02/2017 01:04	WG1048646
cis-1,3-Dichloropropene	U		0.000299	0.00114	1	12/02/2017 01:04	WG1048646
trans-1,3-Dichloropropene	U		0.000305	0.00114	1	12/02/2017 01:04	WG1048646
trans-1,4-Dichloro-2-butene	U		0.000888	0.00285	1	12/02/2017 01:04	WG1048646
2,2-Dichloropropane	U		0.000319	0.00114	1	12/02/2017 01:04	WG1048646
Di-isopropyl ether	U		0.000283	0.00114	1	12/02/2017 01:04	WG1048646
Ethylbenzene	U		0.000339	0.00114	1	12/02/2017 01:04	WG1048646
Hexachloro-1,3-butadiene	U		0.000390	0.00114	1	12/02/2017 01:04	WG1048646
2-Hexanone	U		0.00156	0.0114	1	12/02/2017 01:04	WG1048646
n-Hexane	U UJ	J0	0.000331	0.0114	1	12/02/2017 01:04	WG1048646
Iodomethane	U		0.00289	0.0114	1	12/02/2017 01:04	WG1048646
Isopropylbenzene	U		0.000277	0.00114	1	12/02/2017 01:04	WG1048646
p-Isopropyltoluene	U		0.000233	0.00114	1	12/02/2017 01:04	WG1048646
2-Butanone (MEK)	U		0.00534	0.0114	1	12/02/2017 01:04	WG1048646
Methylene Chloride	U		0.00114	0.00571	1	12/02/2017 01:04	WG1048646
4-Methyl-2-pentanone (MIBK)	U		0.00215	0.0114	1	12/02/2017 01:04	WG1048646

JC 12/20/17

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000242	0.00114	1	12/02/2017 01:04	WG1048646
Naphthalene	U		0.00114	0.00571	1	12/02/2017 01:04	WG1048646
n-Propylbenzene	U UJ	J0	0.000235	0.00114	1	12/02/2017 01:04	WG1048646
Styrene	U		0.000267	0.00114	1	12/02/2017 01:04	WG1048646
1,1,1,2-Tetrachloroethane	U		0.000301	0.00114	1	12/02/2017 01:04	WG1048646
1,1,2,2-Tetrachloroethane	U		0.000417	0.00114	1	12/02/2017 01:04	WG1048646
1,1,2-Trichlorotrifluoroethane	U		0.000417	0.00114	1	12/02/2017 01:04	WG1048646
Tetrachloroethene	0.0154		0.000315	0.00114	1	12/02/2017 01:04	WG1048646
Toluene	U		0.000496	0.00571	1	12/02/2017 01:04	WG1048646
1,2,3-Trichlorobenzene	U		0.000349	0.00114	1	12/02/2017 01:04	WG1048646
1,2,4-Trichlorobenzene	U		0.000443	0.00114	1	12/02/2017 01:04	WG1048646
1,1,1-Trichloroethane	U		0.000327	0.00114	1	12/02/2017 01:04	WG1048646
1,1,2-Trichloroethane	U		0.000316	0.00114	1	12/02/2017 01:04	WG1048646
Trichloroethene	0.000798 J	J	0.000319	0.00114	1	12/02/2017 01:04	WG1048646
Trichlorofluoromethane	U		0.000436	0.00571	1	12/02/2017 01:04	WG1048646
1,2,3-Trichloropropane	U		0.000846	0.00285	1	12/02/2017 01:04	WG1048646
1,2,4-Trimethylbenzene	U		0.000241	0.00114	1	12/02/2017 01:04	WG1048646
1,2,3-Trimethylbenzene	U		0.000328	0.00114	1	12/02/2017 01:04	WG1048646
1,3,5-Trimethylbenzene	U		0.000304	0.00114	1	12/02/2017 01:04	WG1048646
Vinyl acetate	U		0.00273	0.0114	1	12/02/2017 01:04	WG1048646
Vinyl chloride	U		0.000332	0.00114	1	12/02/2017 01:04	WG1048646
Xylenes, Total	U		0.000797	0.00343	1	12/02/2017 01:04	WG1048646
(S) Toluene-d8	*101*			*80.0-120*		*12/02/2017 01:04*	WG1048646
(S) Dibromofluoromethane	*101*			*74.0-131*		*12/02/2017 01:04*	WG1048646
(S) 4-Bromofluorobenzene	*90.4*			*64.0-132*		*12/02/2017 01:04*	WG1048646

JC 12/20/17

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	92.8		1	12/05/2017 13:36	WG1049600

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

Analyte	Result (dry) mg/kg		Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U			0.0108	0.0539	1	12/02/2017 10:04	WG1048646
Acrylonitrile	U			0.00193	0.0108	1	12/02/2017 10:04	WG1048646
Benzene	U			0.000291	0.00108	1	12/02/2017 10:04	WG1048646
Bromobenzene	U			0.000306	0.00108	1	12/02/2017 10:04	WG1048646
Bromodichloromethane	U			0.000274	0.00108	1	12/02/2017 10:04	WG1048646
Bromochloromethane	U			0.000420	0.00539	1	12/02/2017 10:04	WG1048646
Bromoform	U			0.000457	0.00108	1	12/02/2017 10:04	WG1048646
Bromomethane	U			0.00144	0.00539	1	12/02/2017 10:04	WG1048646
n-Butylbenzene	U			0.000278	0.00108	1	12/02/2017 10:04	WG1048646
sec-Butylbenzene	U			0.000217	0.00108	1	12/02/2017 10:04	WG1048646
tert-Butylbenzene	U			0.000222	0.00108	1	12/02/2017 10:04	WG1048646
Carbon disulfide	0.000628	J	J J0	0.000238	0.00108	1	12/02/2017 10:04	WG1048646
Carbon tetrachloride	U			0.000354	0.00108	1	12/02/2017 10:04	WG1048646
Chlorobenzene	U			0.000228	0.00108	1	12/02/2017 10:04	WG1048646
Chlorodibromomethane	U			0.000402	0.00108	1	12/02/2017 10:04	WG1048646
Chloroethane	U	UJ	J0	0.00102	0.00539	1	12/02/2017 10:04	WG1048646
Chloroform	U			0.000247	0.00539	1	12/02/2017 10:04	WG1048646
Chloromethane	U	UJ	J0	0.000404	0.00269	1	12/02/2017 10:04	WG1048646
2-Chlorotoluene	U			0.000324	0.00108	1	12/02/2017 10:04	WG1048646
4-Chlorotoluene	U			0.000259	0.00108	1	12/02/2017 10:04	WG1048646
1,2-Dibromo-3-Chloropropane	U			0.00113	0.00539	1	12/02/2017 10:04	WG1048646
1,2-Dibromoethane	U		J4	0.000370	0.00108	1	12/02/2017 10:04	WG1048646
Dibromomethane	U			0.000412	0.00108	1	12/02/2017 10:04	WG1048646
1,2-Dichlorobenzene	U			0.000329	0.00108	1	12/02/2017 10:04	WG1048646
1,3-Dichlorobenzene	U			0.000258	0.00108	1	12/02/2017 10:04	WG1048646
1,4-Dichlorobenzene	U			0.000244	0.00108	1	12/02/2017 10:04	WG1048646
Dichlorodifluoromethane	U			0.000768	0.00539	1	12/02/2017 10:04	WG1048646
1,1-Dichloroethane	U			0.000214	0.00108	1	12/02/2017 10:04	WG1048646
1,2-Dichloroethane	U			0.000286	0.00108	1	12/02/2017 10:04	WG1048646
1,1-Dichloroethene	U			0.000327	0.00108	1	12/02/2017 10:04	WG1048646
cis-1,2-Dichloroethene	0.0438			0.000253	0.00108	1	12/02/2017 10:04	WG1048646
trans-1,2-Dichloroethene	0.00143			0.000285	0.00108	1	12/02/2017 10:04	WG1048646
1,2-Dichloropropane	U			0.000386	0.00108	1	12/02/2017 10:04	WG1048646
1,1-Dichloropropene	U			0.000342	0.00108	1	12/02/2017 10:04	WG1048646
1,3-Dichloropropane	U			0.000223	0.00108	1	12/02/2017 10:04	WG1048646
cis-1,3-Dichloropropene	U			0.000282	0.00108	1	12/02/2017 10:04	WG1048646
trans-1,3-Dichloropropene	U			0.000288	0.00108	1	12/02/2017 10:04	WG1048646
trans-1,4-Dichloro-2-butene	U			0.000839	0.00269	1	12/02/2017 10:04	WG1048646
2,2-Dichloropropane	U			0.000301	0.00108	1	12/02/2017 10:04	WG1048646
Di-isopropyl ether	U			0.000267	0.00108	1	12/02/2017 10:04	WG1048646
Ethylbenzene	U			0.000320	0.00108	1	12/02/2017 10:04	WG1048646
Hexachloro-1,3-butadiene	U			0.000369	0.00108	1	12/02/2017 10:04	WG1048646
2-Hexanone	U		J3	0.00148	0.0108	1	12/02/2017 10:04	WG1048646
n-Hexane	U	UJ	J0	0.000313	0.0108	1	12/02/2017 10:04	WG1048646
Iodomethane	U			0.00273	0.0108	1	12/02/2017 10:04	WG1048646
Isopropylbenzene	U			0.000262	0.00108	1	12/02/2017 10:04	WG1048646
p-Isopropyltoluene	U			0.000220	0.00108	1	12/02/2017 10:04	WG1048646
2-Butanone (MEK)	U			0.00504	0.0108	1	12/02/2017 10:04	WG1048646
Methylene Chloride	U			0.00108	0.00539	1	12/02/2017 10:04	WG1048646
4-Methyl-2-pentanone (MIBK)	U			0.00203	0.0108	1	12/02/2017 10:04	WG1048646

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000228	0.00108	1	12/02/2017 10:04	WG1048646
Naphthalene	U		0.00108	0.00539	1	12/02/2017 10:04	WG1048646
n-Propylbenzene	U	UJ J0	0.000222	0.00108	1	12/02/2017 10:04	WG1048646
Styrene	U		0.000252	0.00108	1	12/02/2017 10:04	WG1048646
1,1,1,2-Tetrachloroethane	U		0.000285	0.00108	1	12/02/2017 10:04	WG1048646
1,1,2,2-Tetrachloroethane	U		0.000393	0.00108	1	12/02/2017 10:04	WG1048646
1,1,2-Trichlorotrifluoroethane	U		0.000393	0.00108	1	12/02/2017 10:04	WG1048646
Tetrachloroethene	0.141		0.000297	0.00108	1	12/02/2017 10:04	WG1048646
Toluene	U		0.000468	0.00539	1	12/02/2017 10:04	WG1048646
1,2,3-Trichlorobenzene	U		0.000330	0.00108	1	12/02/2017 10:04	WG1048646
1,2,4-Trichlorobenzene	U		0.000418	0.00108	1	12/02/2017 10:04	WG1048646
1,1,1-Trichloroethane	U		0.000308	0.00108	1	12/02/2017 10:04	WG1048646
1,1,2-Trichloroethane	U		0.000299	0.00108	1	12/02/2017 10:04	WG1048646
Trichloroethene	0.0406		0.000301	0.00108	1	12/02/2017 10:04	WG1048646
Trichlorofluoromethane	U		0.000412	0.00539	1	12/02/2017 10:04	WG1048646
1,2,3-Trichloropropane	U		0.000799	0.00269	1	12/02/2017 10:04	WG1048646
1,2,4-Trimethylbenzene	U		0.000227	0.00108	1	12/02/2017 10:04	WG1048646
1,2,3-Trimethylbenzene	U		0.000309	0.00108	1	12/02/2017 10:04	WG1048646
1,3,5-Trimethylbenzene	U		0.000287	0.00108	1	12/02/2017 10:04	WG1048646
Vinyl acetate	U		0.00258	0.0108	1	12/02/2017 10:04	WG1048646
Vinyl chloride	U		0.000314	0.00108	1	12/02/2017 10:04	WG1048646
Xylenes, Total	U		0.000752	0.00323	1	12/02/2017 10:04	WG1048646
(S) Toluene-d8	*88.0*			*80.0-120*		*12/02/2017 10:04*	WG1048646
(S) Dibromofluoromethane	*126*			*74.0-131*		*12/02/2017 10:04*	WG1048646
(S) 4-Bromofluorobenzene	*92.9*			*64.0-132*		*12/02/2017 10:04*	WG1048646

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Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	87.3		1	12/05/2017 13:36	WG1049600

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0115	0.0573	1	12/02/2017 10:24	WG1048646
Acrylonitrile	U		0.00205	0.0115	1	12/02/2017 10:24	WG1048646
Benzene	U		0.000309	0.00115	1	12/02/2017 10:24	WG1048646
Bromobenzene	U		0.000325	0.00115	1	12/02/2017 10:24	WG1048646
Bromodichloromethane	U		0.000291	0.00115	1	12/02/2017 10:24	WG1048646
Bromochloromethane	U		0.000447	0.00573	1	12/02/2017 10:24	WG1048646
Bromoform	U		0.000486	0.00115	1	12/02/2017 10:24	WG1048646
Bromomethane	U		0.00154	0.00573	1	12/02/2017 10:24	WG1048646
n-Butylbenzene	U		0.000296	0.00115	1	12/02/2017 10:24	WG1048646
sec-Butylbenzene	U		0.000230	0.00115	1	12/02/2017 10:24	WG1048646
tert-Butylbenzene	U		0.000236	0.00115	1	12/02/2017 10:24	WG1048646
Carbon disulfide	U UJ	J0	0.000253	0.00115	1	12/02/2017 10:24	WG1048646
Carbon tetrachloride	U		0.000376	0.00115	1	12/02/2017 10:24	WG1048646
Chlorobenzene	U		0.000243	0.00115	1	12/02/2017 10:24	WG1048646
Chlorodibromomethane	U		0.000427	0.00115	1	12/02/2017 10:24	WG1048646
Chloroethane	U UJ	J0	0.00108	0.00573	1	12/02/2017 10:24	WG1048646
Chloroform	U		0.000262	0.00573	1	12/02/2017 10:24	WG1048646
Chloromethane	U UJ	J0	0.000430	0.00287	1	12/02/2017 10:24	WG1048646
2-Chlorotoluene	U		0.000345	0.00115	1	12/02/2017 10:24	WG1048646
4-Chlorotoluene	U		0.000275	0.00115	1	12/02/2017 10:24	WG1048646
1,2-Dibromo-3-Chloropropane	U		0.00120	0.00573	1	12/02/2017 10:24	WG1048646
1,2-Dibromoethane	U	J4	0.000393	0.00115	1	12/02/2017 10:24	WG1048646
Dibromomethane	U		0.000438	0.00115	1	12/02/2017 10:24	WG1048646
1,2-Dichlorobenzene	U		0.000350	0.00115	1	12/02/2017 10:24	WG1048646
1,3-Dichlorobenzene	U		0.000274	0.00115	1	12/02/2017 10:24	WG1048646
1,4-Dichlorobenzene	U		0.000259	0.00115	1	12/02/2017 10:24	WG1048646
Dichlorodifluoromethane	U		0.000817	0.00573	1	12/02/2017 10:24	WG1048646
1,1-Dichloroethane	U		0.000228	0.00115	1	12/02/2017 10:24	WG1048646
1,2-Dichloroethane	U		0.000304	0.00115	1	12/02/2017 10:24	WG1048646
1,1-Dichloroethene	0.000711 J	J	0.000347	0.00115	1	12/02/2017 10:24	WG1048646
cis-1,2-Dichloroethene	0.429		0.00674	0.0287	25	12/05/2017 16:31	WG1048646
trans-1,2-Dichloroethene	0.00203		0.000303	0.00115	1	12/02/2017 10:24	WG1048646
1,2-Dichloropropane	U		0.000410	0.00115	1	12/02/2017 10:24	WG1048646
1,1-Dichloropropene	U		0.000363	0.00115	1	12/02/2017 10:24	WG1048646
1,3-Dichloropropane	U		0.000237	0.00115	1	12/02/2017 10:24	WG1048646
cis-1,3-Dichloropropene	U		0.000300	0.00115	1	12/02/2017 10:24	WG1048646
trans-1,3-Dichloropropene	U		0.000306	0.00115	1	12/02/2017 10:24	WG1048646
trans-1,4-Dichloro-2-butene	U		0.000892	0.00287	1	12/02/2017 10:24	WG1048646
2,2-Dichloropropane	U		0.000320	0.00115	1	12/02/2017 10:24	WG1048646
Di-isopropyl ether	U		0.000284	0.00115	1	12/02/2017 10:24	WG1048646
Ethylbenzene	U		0.000340	0.00115	1	12/02/2017 10:24	WG1048646
Hexachloro-1,3-butadiene	U		0.000392	0.00115	1	12/02/2017 10:24	WG1048646
2-Hexanone	U	J3	0.00157	0.0115	1	12/02/2017 10:24	WG1048646
n-Hexane	U UJ	J0	0.000332	0.0115	1	12/02/2017 10:24	WG1048646
Iodomethane	U		0.00290	0.0115	1	12/02/2017 10:24	WG1048646
Isopropylbenzene	U		0.000278	0.00115	1	12/02/2017 10:24	WG1048646
p-Isopropyltoluene	U		0.000234	0.00115	1	12/02/2017 10:24	WG1048646
2-Butanone (MEK)	U		0.00536	0.0115	1	12/02/2017 10:24	WG1048646
Methylene Chloride	U		0.00115	0.00573	1	12/02/2017 10:24	WG1048646
4-Methyl-2-pentanone (MIBK)	U		0.00215	0.0115	1	12/02/2017 10:24	WG1048646

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B-227-16

Collected date/time: 11/28/17 13:30

SAMPLE RESULTS - 03

L954448

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000243	0.00115	1	12/02/2017 10:24	WG1048646
Naphthalene	U		0.00115	0.00573	1	12/02/2017 10:24	WG1048646
n-Propylbenzene	U UJ	J0	0.000236	0.00115	1	12/02/2017 10:24	WG1048646
Styrene	U		0.000268	0.00115	1	12/02/2017 10:24	WG1048646
1,1,1,2-Tetrachloroethane	U		0.000303	0.00115	1	12/02/2017 10:24	WG1048646
1,1,2,2-Tetrachloroethane	U		0.000418	0.00115	1	12/02/2017 10:24	WG1048646
1,1,2-Trichlorotrifluoroethane	U		0.000418	0.00115	1	12/02/2017 10:24	WG1048646
Tetrachloroethene	2.47		0.00791	0.0287	25	12/05/2017 16:31	WG1048646
Toluene	U		0.000497	0.00573	1	12/02/2017 10:24	WG1048646
1,2,3-Trichlorobenzene	U		0.000351	0.00115	1	12/02/2017 10:24	WG1048646
1,2,4-Trichlorobenzene	U		0.000445	0.00115	1	12/02/2017 10:24	WG1048646
1,1,1-Trichloroethane	U		0.000328	0.00115	1	12/02/2017 10:24	WG1048646
1,1,2-Trichloroethane	U		0.000317	0.00115	1	12/02/2017 10:24	WG1048646
Trichloroethene	0.0804		0.000320	0.00115	1	12/02/2017 10:24	WG1048646
Trichlorofluoromethane	U		0.000438	0.00573	1	12/02/2017 10:24	WG1048646
1,2,3-Trichloropropane	U		0.000849	0.00287	1	12/02/2017 10:24	WG1048646
1,2,4-Trimethylbenzene	U		0.000242	0.00115	1	12/02/2017 10:24	WG1048646
1,2,3-Trimethylbenzene	U		0.000329	0.00115	1	12/02/2017 10:24	WG1048646
1,3,5-Trimethylbenzene	U		0.000305	0.00115	1	12/02/2017 10:24	WG1048646
Vinyl acetate	U		0.00274	0.0115	1	12/02/2017 10:24	WG1048646
Vinyl chloride	0.00781		0.000333	0.00115	1	12/02/2017 10:24	WG1048646
Xylenes, Total	U		0.000800	0.00344	1	12/02/2017 10:24	WG1048646
(S) Toluene-d8	*99.3*			*80.0-120*		*12/02/2017 10:24*	WG1048646
(S) Toluene-d8	*101*			*80.0-120*		*12/05/2017 16:31*	WG1048646
(S) Dibromofluoromethane	*95.3*			*74.0-131*		*12/05/2017 16:31*	WG1048646
(S) Dibromofluoromethane	*103*			*74.0-131*		*12/02/2017 10:24*	WG1048646
(S) 4-Bromofluorobenzene	*99.3*			*64.0-132*		*12/05/2017 16:31*	WG1048646
(S) 4-Bromofluorobenzene	*90.8*			*64.0-132*		*12/02/2017 10:24*	WG1048646

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Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	86.1		1	12/05/2017 13:36	WG1049600

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0116	0.0580	1	12/02/2017 10:44	WG1048646
Acrylonitrile	U		0.00208	0.0116	1	12/02/2017 10:44	WG1048646
Benzene	U		0.000313	0.00116	1	12/02/2017 10:44	WG1048646
Bromobenzene	U		0.000330	0.00116	1	12/02/2017 10:44	WG1048646
Bromodichloromethane	U		0.000295	0.00116	1	12/02/2017 10:44	WG1048646
Bromochloromethane	U		0.000453	0.00580	1	12/02/2017 10:44	WG1048646
Bromoform	U		0.000492	0.00116	1	12/02/2017 10:44	WG1048646
Bromomethane	U		0.00156	0.00580	1	12/02/2017 10:44	WG1048646
n-Butylbenzene	U		0.000299	0.00116	1	12/02/2017 10:44	WG1048646
sec-Butylbenzene	U		0.000233	0.00116	1	12/02/2017 10:44	WG1048646
tert-Butylbenzene	U		0.000239	0.00116	1	12/02/2017 10:44	WG1048646
Carbon disulfide	U UJ	J0	0.000257	0.00116	1	12/02/2017 10:44	WG1048646
Carbon tetrachloride	U		0.000381	0.00116	1	12/02/2017 10:44	WG1048646
Chlorobenzene	U		0.000246	0.00116	1	12/02/2017 10:44	WG1048646
Chlorodibromomethane	U		0.000433	0.00116	1	12/02/2017 10:44	WG1048646
Chloroethane	U UJ	J0	0.00110	0.00580	1	12/02/2017 10:44	WG1048646
Chloroform	0.000652 J	J	0.000266	0.00580	1	12/02/2017 10:44	WG1048646
Chloromethane	U UJ	J0	0.000435	0.00290	1	12/02/2017 10:44	WG1048646
2-Chlorotoluene	U		0.000349	0.00116	1	12/02/2017 10:44	WG1048646
4-Chlorotoluene	U		0.000279	0.00116	1	12/02/2017 10:44	WG1048646
1,2-Dibromo-3-Chloropropane	U		0.00122	0.00580	1	12/02/2017 10:44	WG1048646
1,2-Dibromoethane	U	J4	0.000398	0.00116	1	12/02/2017 10:44	WG1048646
Dibromomethane	U		0.000443	0.00116	1	12/02/2017 10:44	WG1048646
1,2-Dichlorobenzene	U		0.000354	0.00116	1	12/02/2017 10:44	WG1048646
1,3-Dichlorobenzene	U		0.000277	0.00116	1	12/02/2017 10:44	WG1048646
1,4-Dichlorobenzene	U		0.000262	0.00116	1	12/02/2017 10:44	WG1048646
Dichlorodifluoromethane	U		0.000828	0.00580	1	12/02/2017 10:44	WG1048646
1,1-Dichloroethane	U		0.000231	0.00116	1	12/02/2017 10:44	WG1048646
1,2-Dichloroethane	U		0.000308	0.00116	1	12/02/2017 10:44	WG1048646
1,1-Dichloroethene	0.00156		0.000352	0.00116	1	12/02/2017 10:44	WG1048646
cis-1,2-Dichloroethene	0.393		0.0325	0.138	119	12/05/2017 19:43	WG1048646
trans-1,2-Dichloroethene	0.00290		0.000306	0.00116	1	12/02/2017 10:44	WG1048646
1,2-Dichloropropane	U		0.000416	0.00116	1	12/02/2017 10:44	WG1048646
1,1-Dichloropropene	U		0.000368	0.00116	1	12/02/2017 10:44	WG1048646
1,3-Dichloropropane	U		0.000240	0.00116	1	12/02/2017 10:44	WG1048646
cis-1,3-Dichloropropene	U		0.000304	0.00116	1	12/02/2017 10:44	WG1048646
trans-1,3-Dichloropropene	U		0.000310	0.00116	1	12/02/2017 10:44	WG1048646
trans-1,4-Dichloro-2-butene	U		0.000903	0.00290	1	12/02/2017 10:44	WG1048646
2,2-Dichloropropane	U		0.000324	0.00116	1	12/02/2017 10:44	WG1048646
Di-isopropyl ether	U		0.000288	0.00116	1	12/02/2017 10:44	WG1048646
Ethylbenzene	U		0.000345	0.00116	1	12/02/2017 10:44	WG1048646
Hexachloro-1,3-butadiene	U		0.000397	0.00116	1	12/02/2017 10:44	WG1048646
2-Hexanone	U	J3	0.00159	0.0116	1	12/02/2017 10:44	WG1048646
n-Hexane	U UJ	J0	0.000337	0.0116	1	12/02/2017 10:44	WG1048646
Iodomethane	U		0.00294	0.0116	1	12/02/2017 10:44	WG1048646
Isopropylbenzene	U		0.000282	0.00116	1	12/02/2017 10:44	WG1048646
p-Isopropyltoluene	U		0.000237	0.00116	1	12/02/2017 10:44	WG1048646
2-Butanone (MEK)	U		0.00543	0.0116	1	12/02/2017 10:44	WG1048646
Methylene Chloride	U		0.00116	0.00580	1	12/02/2017 10:44	WG1048646
4-Methyl-2-pentanone (MIBK)	U		0.00218	0.0116	1	12/02/2017 10:44	WG1048646

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000246	0.00116	1	12/02/2017 10:44	WG1048646
Naphthalene	U		0.00116	0.00580	1	12/02/2017 10:44	WG1048646
n-Propylbenzene	U UJ	J0	0.000239	0.00116	1	12/02/2017 10:44	WG1048646
Styrene	U		0.000272	0.00116	1	12/02/2017 10:44	WG1048646
1,1,1,2-Tetrachloroethane	U		0.000306	0.00116	1	12/02/2017 10:44	WG1048646
1,1,2,2-Tetrachloroethane	U		0.000424	0.00116	1	12/02/2017 10:44	WG1048646
1,1,2-Trichlorotrifluoroethane	U		0.000424	0.00116	1	12/02/2017 10:44	WG1048646
Tetrachloroethene	7.18		0.0381	0.138	119	12/05/2017 19:43	WG1048646
Toluene	U		0.000504	0.00580	1	12/02/2017 10:44	WG1048646
1,2,3-Trichlorobenzene	U		0.000355	0.00116	1	12/02/2017 10:44	WG1048646
1,2,4-Trichlorobenzene	U		0.000450	0.00116	1	12/02/2017 10:44	WG1048646
1,1,1-Trichloroethane	U		0.000332	0.00116	1	12/02/2017 10:44	WG1048646
1,1,2-Trichloroethane	U		0.000322	0.00116	1	12/02/2017 10:44	WG1048646
Trichloroethene	0.311		0.0385	0.138	119	12/05/2017 19:43	WG1048646
Trichlorofluoromethane	U		0.000443	0.00580	1	12/02/2017 10:44	WG1048646
1,2,3-Trichloropropane	U		0.000860	0.00290	1	12/02/2017 10:44	WG1048646
1,2,4-Trimethylbenzene	U		0.000245	0.00116	1	12/02/2017 10:44	WG1048646
1,2,3-Trimethylbenzene	U		0.000333	0.00116	1	12/02/2017 10:44	WG1048646
1,3,5-Trimethylbenzene	U		0.000309	0.00116	1	12/02/2017 10:44	WG1048646
Vinyl acetate	U		0.00277	0.0116	1	12/02/2017 10:44	WG1048646
Vinyl chloride	0.0186		0.000338	0.00116	1	12/02/2017 10:44	WG1048646
Xylenes, Total	U		0.000810	0.00348	1	12/02/2017 10:44	WG1048646
(S) Toluene-d8	*99.9*			*80.0-120*		*12/02/2017 10:44*	WG1048646
(S) Toluene-d8	*99.7*			*80.0-120*		*12/05/2017 19:43*	WG1048646
(S) Dibromofluoromethane	*100*			*74.0-131*		*12/02/2017 10:44*	WG1048646
(S) Dibromofluoromethane	*98.3*			*74.0-131*		*12/05/2017 19:43*	WG1048646
(S) 4-Bromofluorobenzene	*89.6*			*64.0-132*		*12/02/2017 10:44*	WG1048646
(S) 4-Bromofluorobenzene	*100*			*64.0-132*		*12/05/2017 19:43*	WG1048646

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Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch
Analyte	%			date / time	
Total Solids	85.8		1	12/05/2017 13:36	WG1049600

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

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0116	0.0582	1	12/02/2017 13:56	WG1048646
Acrylonitrile	U		0.00209	0.0116	1	12/02/2017 13:56	WG1048646
Benzene	U		0.000315	0.00116	1	12/02/2017 13:56	WG1048646
Bromobenzene	U		0.000331	0.00116	1	12/02/2017 13:56	WG1048646
Bromodichloromethane	U		0.000296	0.00116	1	12/02/2017 13:56	WG1048646
Bromochloromethane	U		0.000454	0.00582	1	12/02/2017 13:56	WG1048646
Bromoform	U		0.000494	0.00116	1	12/02/2017 13:56	WG1048646
Bromomethane	U		0.00156	0.00582	1	12/02/2017 13:56	WG1048646
n-Butylbenzene	U		0.000301	0.00116	1	12/02/2017 13:56	WG1048646
sec-Butylbenzene	U		0.000234	0.00116	1	12/02/2017 13:56	WG1048646
tert-Butylbenzene	U		0.000240	0.00116	1	12/02/2017 13:56	WG1048646
Carbon disulfide	U		0.000257	0.00116	1	12/02/2017 13:56	WG1048646
Carbon tetrachloride	U		0.000382	0.00116	1	12/02/2017 13:56	WG1048646
Chlorobenzene	U		0.000247	0.00116	1	12/02/2017 13:56	WG1048646
Chlorodibromomethane	U		0.000435	0.00116	1	12/02/2017 13:56	WG1048646
Chloroethane	U		0.00110	0.00582	1	12/02/2017 13:56	WG1048646
Chloroform	0.000388 J	J	0.000267	0.00582	1	12/02/2017 13:56	WG1048646
Chloromethane	U		0.000437	0.00291	1	12/02/2017 13:56	WG1048646
2-Chlorotoluene	U		0.000351	0.00116	1	12/02/2017 13:56	WG1048646
4-Chlorotoluene	U		0.000280	0.00116	1	12/02/2017 13:56	WG1048646
1,2-Dibromo-3-Chloropropane	U		0.00122	0.00582	1	12/02/2017 13:56	WG1048646
1,2-Dibromoethane	U	J4	0.000400	0.00116	1	12/02/2017 13:56	WG1048646
Dibromomethane	U		0.000445	0.00116	1	12/02/2017 13:56	WG1048646
1,2-Dichlorobenzene	U		0.000355	0.00116	1	12/02/2017 13:56	WG1048646
1,3-Dichlorobenzene	U		0.000278	0.00116	1	12/02/2017 13:56	WG1048646
1,4-Dichlorobenzene	U		0.000263	0.00116	1	12/02/2017 13:56	WG1048646
Dichlorodifluoromethane	U		0.000831	0.00582	1	12/02/2017 13:56	WG1048646
1,1-Dichloroethane	U		0.000232	0.00116	1	12/02/2017 13:56	WG1048646
1,2-Dichloroethane	U		0.000309	0.00116	1	12/02/2017 13:56	WG1048646
1,1-Dichloroethene	0.000741 J	J	0.000353	0.00116	1	12/02/2017 13:56	WG1048646
cis-1,2-Dichloroethene	0.351		0.0274	0.116	100	12/05/2017 20:04	WG1048646
trans-1,2-Dichloroethene	0.00186		0.000308	0.00116	1	12/02/2017 13:56	WG1048646
1,2-Dichloropropane	U		0.000417	0.00116	1	12/02/2017 13:56	WG1048646
1,1-Dichloropropene	U		0.000369	0.00116	1	12/02/2017 13:56	WG1048646
1,3-Dichloropropane	U		0.000241	0.00116	1	12/02/2017 13:56	WG1048646
cis-1,3-Dichloropropene	U		0.000305	0.00116	1	12/02/2017 13:56	WG1048646
trans-1,3-Dichloropropene	U		0.000311	0.00116	1	12/02/2017 13:56	WG1048646
trans-1,4-Dichloro-2-butene	U		0.000906	0.00291	1	12/02/2017 13:56	WG1048646
2,2-Dichloropropane	U		0.000325	0.00116	1	12/02/2017 13:56	WG1048646
Di-isopropyl ether	U		0.000289	0.00116	1	12/02/2017 13:56	WG1048646
Ethylbenzene	U		0.000346	0.00116	1	12/02/2017 13:56	WG1048646
Hexachloro-1,3-butadiene	U		0.000398	0.00116	1	12/02/2017 13:56	WG1048646
2-Hexanone	U	J3	0.00160	0.0116	1	12/02/2017 13:56	WG1048646
n-Hexane	U		0.000338	0.0116	1	12/02/2017 13:56	WG1048646
Iodomethane	U		0.00295	0.0116	1	12/02/2017 13:56	WG1048646
Isopropylbenzene	U		0.000283	0.00116	1	12/02/2017 13:56	WG1048646
p-Isopropyltoluene	U		0.000238	0.00116	1	12/02/2017 13:56	WG1048646
2-Butanone (MEK)	U		0.00545	0.0116	1	12/02/2017 13:56	WG1048646
Methylene Chloride	U		0.00116	0.00582	1	12/02/2017 13:56	WG1048646
4-Methyl-2-pentanone (MIBK)	U		0.00219	0.0116	1	12/02/2017 13:56	WG1048646

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000247	0.00116	1	12/02/2017 13:56	WG1048646
Naphthalene	U		0.00116	0.00582	1	12/02/2017 13:56	WG1048646
n-Propylbenzene	U		0.000240	0.00116	1	12/02/2017 13:56	WG1048646
Styrene	U		0.000273	0.00116	1	12/02/2017 13:56	WG1048646
1,1,1,2-Tetrachloroethane	U		0.000308	0.00116	1	12/02/2017 13:56	WG1048646
1,1,2,2-Tetrachloroethane	U		0.000425	0.00116	1	12/02/2017 13:56	WG1048646
1,1,2-Trichlorotrifluoroethane	U		0.000425	0.00116	1	12/02/2017 13:56	WG1048646
Tetrachloroethene	7.86		0.0322	0.116	100	12/05/2017 20:04	WG1048646
Toluene	U		0.000506	0.00582	1	12/02/2017 13:56	WG1048646
1,2,3-Trichlorobenzene	U		0.000356	0.00116	1	12/02/2017 13:56	WG1048646
1,2,4-Trichlorobenzene	U		0.000452	0.00116	1	12/02/2017 13:56	WG1048646
1,1,1-Trichloroethane	U		0.000333	0.00116	1	12/02/2017 13:56	WG1048646
1,1,2-Trichloroethane	U		0.000323	0.00116	1	12/02/2017 13:56	WG1048646
Trichloroethene	0.124		0.000325	0.00116	1	12/02/2017 13:56	WG1048646
Trichlorofluoromethane	U		0.000445	0.00582	1	12/02/2017 13:56	WG1048646
1,2,3-Trichloropropane	U		0.000863	0.00291	1	12/02/2017 13:56	WG1048646
1,2,4-Trimethylbenzene	U		0.000246	0.00116	1	12/02/2017 13:56	WG1048646
1,2,3-Trimethylbenzene	U		0.000334	0.00116	1	12/02/2017 13:56	WG1048646
1,3,5-Trimethylbenzene	U		0.000310	0.00116	1	12/02/2017 13:56	WG1048646
Vinyl acetate	U		0.00278	0.0116	1	12/02/2017 13:56	WG1048646
Vinyl chloride	0.00735		0.000339	0.00116	1	12/02/2017 13:56	WG1048646
Xylenes, Total	U		0.000813	0.00349	1	12/02/2017 13:56	WG1048646
(S) Toluene-d8	*100*			*80.0-120*		*12/02/2017 13:56*	WG1048646
(S) Toluene-d8	*99.1*			*80.0-120*		*12/05/2017 20:04*	WG1048646
(S) Dibromofluoromethane	*98.5*			*74.0-131*		*12/05/2017 20:04*	WG1048646
(S) Dibromofluoromethane	*101*			*74.0-131*		*12/02/2017 13:56*	WG1048646
(S) 4-Bromofluorobenzene	*99.8*			*64.0-132*		*12/05/2017 20:04*	WG1048646
(S) 4-Bromofluorobenzene	*88.8*			*64.0-132*		*12/02/2017 13:56*	WG1048646

JC 12/20/17

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

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	83.4		1	12/05/2017 13:36	WG1049600

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0120	0.0600	1	12/02/2017 14:37	WG1048646
Acrylonitrile	U		0.00215	0.0120	1	12/02/2017 14:37	WG1048646
Benzene	U		0.000324	0.00120	1	12/02/2017 14:37	WG1048646
Bromobenzene	U		0.000341	0.00120	1	12/02/2017 14:37	WG1048646
Bromodichloromethane	U		0.000305	0.00120	1	12/02/2017 14:37	WG1048646
Bromochloromethane	U		0.000468	0.00600	1	12/02/2017 14:37	WG1048646
Bromoform	U		0.000509	0.00120	1	12/02/2017 14:37	WG1048646
Bromomethane	U		0.00161	0.00600	1	12/02/2017 14:37	WG1048646
n-Butylbenzene	U		0.000310	0.00120	1	12/02/2017 14:37	WG1048646
sec-Butylbenzene	U		0.000241	0.00120	1	12/02/2017 14:37	WG1048646
tert-Butylbenzene	U		0.000247	0.00120	1	12/02/2017 14:37	WG1048646
Carbon disulfide	U		0.000265	0.00120	1	12/02/2017 14:37	WG1048646
Carbon tetrachloride	U		0.000393	0.00120	1	12/02/2017 14:37	WG1048646
Chlorobenzene	U		0.000254	0.00120	1	12/02/2017 14:37	WG1048646
Chlorodibromomethane	U		0.000447	0.00120	1	12/02/2017 14:37	WG1048646
Chloroethane	U		0.00113	0.00600	1	12/02/2017 14:37	WG1048646
Chloroform	U		0.000275	0.00600	1	12/02/2017 14:37	WG1048646
Chloromethane	U		0.000450	0.00300	1	12/02/2017 14:37	WG1048646
2-Chlorotoluene	U		0.000361	0.00120	1	12/02/2017 14:37	WG1048646
4-Chlorotoluene	U		0.000288	0.00120	1	12/02/2017 14:37	WG1048646
1,2-Dibromo-3-Chloropropane	U		0.00126	0.00600	1	12/02/2017 14:37	WG1048646
1,2-Dibromoethane	U	J4	0.000411	0.00120	1	12/02/2017 14:37	WG1048646
Dibromomethane	U		0.000458	0.00120	1	12/02/2017 14:37	WG1048646
1,2-Dichlorobenzene	U		0.000366	0.00120	1	12/02/2017 14:37	WG1048646
1,3-Dichlorobenzene	U		0.000287	0.00120	1	12/02/2017 14:37	WG1048646
1,4-Dichlorobenzene	U		0.000271	0.00120	1	12/02/2017 14:37	WG1048646
Dichlorodifluoromethane	U		0.000855	0.00600	1	12/02/2017 14:37	WG1048646
1,1-Dichloroethane	U		0.000239	0.00120	1	12/02/2017 14:37	WG1048646
1,2-Dichloroethane	U		0.000318	0.00120	1	12/02/2017 14:37	WG1048646
1,1-Dichloroethene	U		0.000363	0.00120	1	12/02/2017 14:37	WG1048646
cis-1,2-Dichloroethene	0.0636		0.000282	0.00120	1	12/02/2017 14:37	WG1048646
trans-1,2-Dichloroethene	0.000628 J	J	0.000317	0.00120	1	12/02/2017 14:37	WG1048646
1,2-Dichloropropane	U		0.000429	0.00120	1	12/02/2017 14:37	WG1048646
1,1-Dichloropropene	U		0.000380	0.00120	1	12/02/2017 14:37	WG1048646
1,3-Dichloropropane	U		0.000248	0.00120	1	12/02/2017 14:37	WG1048646
cis-1,3-Dichloropropene	U		0.000314	0.00120	1	12/02/2017 14:37	WG1048646
trans-1,3-Dichloropropene	U		0.000320	0.00120	1	12/02/2017 14:37	WG1048646
trans-1,4-Dichloro-2-butene	U		0.000933	0.00300	1	12/02/2017 14:37	WG1048646
2,2-Dichloropropane	U		0.000335	0.00120	1	12/02/2017 14:37	WG1048646
Di-isopropyl ether	U		0.000298	0.00120	1	12/02/2017 14:37	WG1048646
Ethylbenzene	U		0.000356	0.00120	1	12/02/2017 14:37	WG1048646
Hexachloro-1,3-butadiene	U		0.000410	0.00120	1	12/02/2017 14:37	WG1048646
2-Hexanone	U	J3	0.00164	0.0120	1	12/02/2017 14:37	WG1048646
n-Hexane	U		0.000348	0.0120	1	12/02/2017 14:37	WG1048646
Iodomethane	U		0.00304	0.0120	1	12/02/2017 14:37	WG1048646
Isopropylbenzene	U		0.000292	0.00120	1	12/02/2017 14:37	WG1048646
p-Isopropyltoluene	U		0.000245	0.00120	1	12/02/2017 14:37	WG1048646
2-Butanone (MEK)	U		0.00561	0.0120	1	12/02/2017 14:37	WG1048646
Methylene Chloride	U		0.00120	0.00600	1	12/02/2017 14:37	WG1048646
4-Methyl-2-pentanone (MIBK)	U		0.00226	0.0120	1	12/02/2017 14:37	WG1048646

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000254	0.00120	1	12/02/2017 14:37	WG1048646
Naphthalene	U		0.00120	0.00600	1	12/02/2017 14:37	WG1048646
n-Propylbenzene	U		0.000247	0.00120	1	12/02/2017 14:37	WG1048646
Styrene	U		0.000281	0.00120	1	12/02/2017 14:37	WG1048646
1,1,1,2-Tetrachloroethane	U		0.000317	0.00120	1	12/02/2017 14:37	WG1048646
1,1,2,2-Tetrachloroethane	U		0.000438	0.00120	1	12/02/2017 14:37	WG1048646
1,1,2-Trichlorotrifluoroethane	U		0.000438	0.00120	1	12/02/2017 14:37	WG1048646
Tetrachloroethene	8.38		0.0166	0.0600	50	12/05/2017 19:01	WG1048646
Toluene	U		0.000521	0.00600	1	12/02/2017 14:37	WG1048646
1,2,3-Trichlorobenzene	U		0.000367	0.00120	1	12/02/2017 14:37	WG1048646
1,2,4-Trichlorobenzene	U		0.000465	0.00120	1	12/02/2017 14:37	WG1048646
1,1,1-Trichloroethane	U		0.000343	0.00120	1	12/02/2017 14:37	WG1048646
1,1,2-Trichloroethane	U		0.000332	0.00120	1	12/02/2017 14:37	WG1048646
Trichloroethene	0.0396		0.000335	0.00120	1	12/02/2017 14:37	WG1048646
Trichlorofluoromethane	U		0.000458	0.00600	1	12/02/2017 14:37	WG1048646
1,2,3-Trichloropropane	U		0.000889	0.00300	1	12/02/2017 14:37	WG1048646
1,2,4-Trimethylbenzene	U		0.000253	0.00120	1	12/02/2017 14:37	WG1048646
1,2,3-Trimethylbenzene	U		0.000344	0.00120	1	12/02/2017 14:37	WG1048646
1,3,5-Trimethylbenzene	U		0.000319	0.00120	1	12/02/2017 14:37	WG1048646
Vinyl acetate	U		0.00287	0.0120	1	12/02/2017 14:37	WG1048646
Vinyl chloride	0.00446		0.000349	0.00120	1	12/02/2017 14:37	WG1048646
Xylenes, Total	U		0.000837	0.00360	1	12/02/2017 14:37	WG1048646
(S) Toluene-d8	*101*			*80.0-120*		*12/05/2017 19:01*	WG1048646
(S) Toluene-d8	*98.6*			*80.0-120*		*12/02/2017 14:37*	WG1048646
(S) Dibromofluoromethane	*109*			*74.0-131*		*12/02/2017 14:37*	WG1048646
(S) Dibromofluoromethane	*96.6*			*74.0-131*		*12/05/2017 19:01*	WG1048646
(S) 4-Bromofluorobenzene	*98.5*			*64.0-132*		*12/05/2017 19:01*	WG1048646
(S) 4-Bromofluorobenzene	*90.6*			*64.0-132*		*12/02/2017 14:37*	WG1048646

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

JC 12/20/17

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	87.1		1	12/05/2017 13:36	WG1049600

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0115	0.0574	1	12/02/2017 14:58	WG1048646
Acrylonitrile	U		0.00205	0.0115	1	12/02/2017 14:58	WG1048646
Benzene	U		0.000310	0.00115	1	12/02/2017 14:58	WG1048646
Bromobenzene	U		0.000326	0.00115	1	12/02/2017 14:58	WG1048646
Bromodichloromethane	U		0.000292	0.00115	1	12/02/2017 14:58	WG1048646
Bromochloromethane	U		0.000448	0.00574	1	12/02/2017 14:58	WG1048646
Bromoform	U		0.000487	0.00115	1	12/02/2017 14:58	WG1048646
Bromomethane	U		0.00154	0.00574	1	12/02/2017 14:58	WG1048646
n-Butylbenzene	U		0.000296	0.00115	1	12/02/2017 14:58	WG1048646
sec-Butylbenzene	U		0.000231	0.00115	1	12/02/2017 14:58	WG1048646
tert-Butylbenzene	U		0.000236	0.00115	1	12/02/2017 14:58	WG1048646
Carbon disulfide	U		0.000254	0.00115	1	12/02/2017 14:58	WG1048646
Carbon tetrachloride	U		0.000376	0.00115	1	12/02/2017 14:58	WG1048646
Chlorobenzene	U		0.000243	0.00115	1	12/02/2017 14:58	WG1048646
Chlorodibromomethane	U		0.000428	0.00115	1	12/02/2017 14:58	WG1048646
Chloroethane	0.00119 J	J	0.00109	0.00574	1	12/02/2017 14:58	WG1048646
Chloroform	U		0.000263	0.00574	1	12/02/2017 14:58	WG1048646
Chloromethane	U		0.000430	0.00287	1	12/02/2017 14:58	WG1048646
2-Chlorotoluene	U		0.000345	0.00115	1	12/02/2017 14:58	WG1048646
4-Chlorotoluene	U		0.000275	0.00115	1	12/02/2017 14:58	WG1048646
1,2-Dibromo-3-Chloropropane	U		0.00121	0.00574	1	12/02/2017 14:58	WG1048646
1,2-Dibromoethane	U	J4	0.000394	0.00115	1	12/02/2017 14:58	WG1048646
Dibromomethane	U		0.000438	0.00115	1	12/02/2017 14:58	WG1048646
1,2-Dichlorobenzene	U		0.000350	0.00115	1	12/02/2017 14:58	WG1048646
1,3-Dichlorobenzene	U		0.000274	0.00115	1	12/02/2017 14:58	WG1048646
1,4-Dichlorobenzene	U		0.000259	0.00115	1	12/02/2017 14:58	WG1048646
Dichlorodifluoromethane	U		0.000818	0.00574	1	12/02/2017 14:58	WG1048646
1,1-Dichloroethane	U		0.000228	0.00115	1	12/02/2017 14:58	WG1048646
1,2-Dichloroethane	U		0.000304	0.00115	1	12/02/2017 14:58	WG1048646
1,1-Dichloroethene	0.00117		0.000348	0.00115	1	12/02/2017 14:58	WG1048646
cis-1,2-Dichloroethene	0.382		0.00675	0.0287	25	12/05/2017 16:52	WG1048646
trans-1,2-Dichloroethene	0.00193		0.000303	0.00115	1	12/02/2017 14:58	WG1048646
1,2-Dichloropropane	U		0.000411	0.00115	1	12/02/2017 14:58	WG1048646
1,1-Dichloropropene	U		0.000364	0.00115	1	12/02/2017 14:58	WG1048646
1,3-Dichloropropane	U		0.000238	0.00115	1	12/02/2017 14:58	WG1048646
cis-1,3-Dichloropropene	U		0.000301	0.00115	1	12/02/2017 14:58	WG1048646
trans-1,3-Dichloropropene	U		0.000306	0.00115	1	12/02/2017 14:58	WG1048646
trans-1,4-Dichloro-2-butene	U		0.000893	0.00287	1	12/02/2017 14:58	WG1048646
2,2-Dichloropropane	U		0.000320	0.00115	1	12/02/2017 14:58	WG1048646
Di-isopropyl ether	U		0.000285	0.00115	1	12/02/2017 14:58	WG1048646
Ethylbenzene	U		0.000341	0.00115	1	12/02/2017 14:58	WG1048646
Hexachloro-1,3-butadiene	U		0.000393	0.00115	1	12/02/2017 14:58	WG1048646
2-Hexanone	U	J3	0.00157	0.0115	1	12/02/2017 14:58	WG1048646
n-Hexane	U		0.000333	0.0115	1	12/02/2017 14:58	WG1048646
Iodomethane	U		0.00290	0.0115	1	12/02/2017 14:58	WG1048646
Isopropylbenzene	U		0.000279	0.00115	1	12/02/2017 14:58	WG1048646
p-Isopropyltoluene	U		0.000234	0.00115	1	12/02/2017 14:58	WG1048646
2-Butanone (MEK)	U		0.00537	0.0115	1	12/02/2017 14:58	WG1048646
Methylene Chloride	U		0.00115	0.00574	1	12/02/2017 14:58	WG1048646
4-Methyl-2-pentanone (MIBK)	U		0.00216	0.0115	1	12/02/2017 14:58	WG1048646

JC 12/20/17

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000243	0.00115	1	12/02/2017 14:58	WG1048646
Naphthalene	U		0.00115	0.00574	1	12/02/2017 14:58	WG1048646
n-Propylbenzene	U		0.000236	0.00115	1	12/02/2017 14:58	WG1048646
Styrene	U		0.000269	0.00115	1	12/02/2017 14:58	WG1048646
1,1,1,2-Tetrachloroethane	U		0.000303	0.00115	1	12/02/2017 14:58	WG1048646
1,1,2,2-Tetrachloroethane	U		0.000419	0.00115	1	12/02/2017 14:58	WG1048646
1,1,2-Trichlorotrifluoroethane	U		0.000419	0.00115	1	12/02/2017 14:58	WG1048646
Tetrachloroethene	1.75		0.00792	0.0287	25	12/05/2017 16:52	WG1048646
Toluene	U		0.000498	0.00574	1	12/02/2017 14:58	WG1048646
1,2,3-Trichlorobenzene	U		0.000351	0.00115	1	12/02/2017 14:58	WG1048646
1,2,4-Trichlorobenzene	U		0.000445	0.00115	1	12/02/2017 14:58	WG1048646
1,1,1-Trichloroethane	U		0.000328	0.00115	1	12/02/2017 14:58	WG1048646
1,1,2-Trichloroethane	U		0.000318	0.00115	1	12/02/2017 14:58	WG1048646
Trichloroethene	0.138		0.000320	0.00115	1	12/02/2017 14:58	WG1048646
Trichlorofluoromethane	U		0.000438	0.00574	1	12/02/2017 14:58	WG1048646
1,2,3-Trichloropropane	U		0.000850	0.00287	1	12/02/2017 14:58	WG1048646
1,2,4-Trimethylbenzene	U		0.000242	0.00115	1	12/02/2017 14:58	WG1048646
1,2,3-Trimethylbenzene	U		0.000329	0.00115	1	12/02/2017 14:58	WG1048646
1,3,5-Trimethylbenzene	U		0.000305	0.00115	1	12/02/2017 14:58	WG1048646
Vinyl acetate	U		0.00274	0.0115	1	12/02/2017 14:58	WG1048646
Vinyl chloride	0.00169		0.000334	0.00115	1	12/02/2017 14:58	WG1048646
Xylenes, Total	U		0.000801	0.00344	1	12/02/2017 14:58	WG1048646
(S) Toluene-d8	*98.8*			*80.0-120*		*12/02/2017 14:58*	WG1048646
(S) Toluene-d8	*101*			*80.0-120*		*12/05/2017 16:52*	WG1048646
(S) Dibromofluoromethane	*103*			*74.0-131*		*12/02/2017 14:58*	WG1048646
(S) Dibromofluoromethane	*96.3*			*74.0-131*		*12/05/2017 16:52*	WG1048646
(S) 4-Bromofluorobenzene	*89.2*			*64.0-132*		*12/02/2017 14:58*	WG1048646
(S) 4-Bromofluorobenzene	*97.9*			*64.0-132*		*12/05/2017 16:52*	WG1048646

JC 12/20/17

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

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	81.8		1	12/05/2017 13:36	WG1049600

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0122	0.0612	1	12/02/2017 15:18	WG1048646
Acrylonitrile	U		0.00219	0.0122	1	12/02/2017 15:18	WG1048646
Benzene	U		0.000330	0.00122	1	12/02/2017 15:18	WG1048646
Bromobenzene	U		0.000347	0.00122	1	12/02/2017 15:18	WG1048646
Bromodichloromethane	U		0.000311	0.00122	1	12/02/2017 15:18	WG1048646
Bromochloromethane	U		0.000477	0.00612	1	12/02/2017 15:18	WG1048646
Bromoform	U		0.000519	0.00122	1	12/02/2017 15:18	WG1048646
Bromomethane	U		0.00164	0.00612	1	12/02/2017 15:18	WG1048646
n-Butylbenzene	U		0.000316	0.00122	1	12/02/2017 15:18	WG1048646
sec-Butylbenzene	U		0.000246	0.00122	1	12/02/2017 15:18	WG1048646
tert-Butylbenzene	U		0.000252	0.00122	1	12/02/2017 15:18	WG1048646
Carbon disulfide	U		0.000270	0.00122	1	12/02/2017 15:18	WG1048646
Carbon tetrachloride	U		0.000401	0.00122	1	12/02/2017 15:18	WG1048646
Chlorobenzene	U		0.000259	0.00122	1	12/02/2017 15:18	WG1048646
Chlorodibromomethane	U		0.000456	0.00122	1	12/02/2017 15:18	WG1048646
Chloroethane	U		0.00116	0.00612	1	12/02/2017 15:18	WG1048646
Chloroform	U		0.000280	0.00612	1	12/02/2017 15:18	WG1048646
Chloromethane	U		0.000459	0.00306	1	12/02/2017 15:18	WG1048646
2-Chlorotoluene	U		0.000368	0.00122	1	12/02/2017 15:18	WG1048646
4-Chlorotoluene	U		0.000294	0.00122	1	12/02/2017 15:18	WG1048646
1,2-Dibromo-3-Chloropropane	U		0.00128	0.00612	1	12/02/2017 15:18	WG1048646
1,2-Dibromoethane	U	J4	0.000420	0.00122	1	12/02/2017 15:18	WG1048646
Dibromomethane	U		0.000467	0.00122	1	12/02/2017 15:18	WG1048646
1,2-Dichlorobenzene	U		0.000373	0.00122	1	12/02/2017 15:18	WG1048646
1,3-Dichlorobenzene	U		0.000292	0.00122	1	12/02/2017 15:18	WG1048646
1,4-Dichlorobenzene	U		0.000276	0.00122	1	12/02/2017 15:18	WG1048646
Dichlorodifluoromethane	U		0.000872	0.00612	1	12/02/2017 15:18	WG1048646
1,1-Dichloroethane	U		0.000243	0.00122	1	12/02/2017 15:18	WG1048646
1,2-Dichloroethane	U		0.000324	0.00122	1	12/02/2017 15:18	WG1048646
1,1-Dichloroethene	U		0.000371	0.00122	1	12/02/2017 15:18	WG1048646
cis-1,2-Dichloroethene	0.00505		0.000287	0.00122	1	12/05/2017 14:24	WG1048646
trans-1,2-Dichloroethene	U		0.000323	0.00122	1	12/02/2017 15:18	WG1048646
1,2-Dichloropropane	U		0.000438	0.00122	1	12/02/2017 15:18	WG1048646
1,1-Dichloropropene	U		0.000388	0.00122	1	12/02/2017 15:18	WG1048646
1,3-Dichloropropane	U		0.000253	0.00122	1	12/02/2017 15:18	WG1048646
cis-1,3-Dichloropropene	U		0.000320	0.00122	1	12/02/2017 15:18	WG1048646
trans-1,3-Dichloropropene	U		0.000327	0.00122	1	12/02/2017 15:18	WG1048646
trans-1,4-Dichloro-2-butene	U		0.000952	0.00306	1	12/02/2017 15:18	WG1048646
2,2-Dichloropropane	U		0.000341	0.00122	1	12/02/2017 15:18	WG1048646
Di-isopropyl ether	U		0.000303	0.00122	1	12/02/2017 15:18	WG1048646
Ethylbenzene	U		0.000363	0.00122	1	12/02/2017 15:18	WG1048646
Hexachloro-1,3-butadiene	U		0.000418	0.00122	1	12/02/2017 15:18	WG1048646
2-Hexanone	U	J3	0.00168	0.0122	1	12/02/2017 15:18	WG1048646
n-Hexane	U		0.000355	0.0122	1	12/02/2017 15:18	WG1048646
Iodomethane	U		0.00309	0.0122	1	12/02/2017 15:18	WG1048646
Isopropylbenzene	U		0.000297	0.00122	1	12/02/2017 15:18	WG1048646
p-Isopropyltoluene	U		0.000250	0.00122	1	12/02/2017 15:18	WG1048646
2-Butanone (MEK)	U		0.00572	0.0122	1	12/02/2017 15:18	WG1048646
Methylene Chloride	U		0.00122	0.00612	1	12/02/2017 15:18	WG1048646
4-Methyl-2-pentanone (MIBK)	U		0.00230	0.0122	1	12/02/2017 15:18	WG1048646

JC 12/20/17

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000259	0.00122	1	12/02/2017 15:18	WG1048646
Naphthalene	U		0.00122	0.00612	1	12/02/2017 15:18	WG1048646
n-Propylbenzene	U		0.000252	0.00122	1	12/02/2017 15:18	WG1048646
Styrene	U		0.000286	0.00122	1	12/02/2017 15:18	WG1048646
1,1,1,2-Tetrachloroethane	U		0.000323	0.00122	1	12/02/2017 15:18	WG1048646
1,1,2,2-Tetrachloroethane	U		0.000446	0.00122	1	12/02/2017 15:18	WG1048646
1,1,2-Trichlorotrifluoroethane	U		0.000446	0.00122	1	12/02/2017 15:18	WG1048646
Tetrachloroethene	0.0291		0.000338	0.00122	1	12/05/2017 14:24	WG1048646
Toluene	U		0.000531	0.00612	1	12/02/2017 15:18	WG1048646
1,2,3-Trichlorobenzene	U		0.000374	0.00122	1	12/02/2017 15:18	WG1048646
1,2,4-Trichlorobenzene	U		0.000475	0.00122	1	12/02/2017 15:18	WG1048646
1,1,1-Trichloroethane	U		0.000350	0.00122	1	12/02/2017 15:18	WG1048646
1,1,2-Trichloroethane	U		0.000339	0.00122	1	12/02/2017 15:18	WG1048646
Trichloroethene	0.00216		0.000341	0.00122	1	12/02/2017 15:18	WG1048646
Trichlorofluoromethane	U		0.000467	0.00612	1	12/02/2017 15:18	WG1048646
1,2,3-Trichloropropane	U		0.000906	0.00306	1	12/02/2017 15:18	WG1048646
1,2,4-Trimethylbenzene	U		0.000258	0.00122	1	12/02/2017 15:18	WG1048646
1,2,3-Trimethylbenzene	U		0.000351	0.00122	1	12/02/2017 15:18	WG1048646
1,3,5-Trimethylbenzene	U		0.000325	0.00122	1	12/02/2017 15:18	WG1048646
Vinyl acetate	U		0.00292	0.0122	1	12/02/2017 15:18	WG1048646
Vinyl chloride	U		0.000356	0.00122	1	12/02/2017 15:18	WG1048646
Xylenes, Total	U		0.000854	0.00367	1	12/02/2017 15:18	WG1048646
(S) Toluene-d8	*97.0*			*80.0-120*		*12/02/2017 15:18*	WG1048646
(S) Toluene-d8	*93.6*			*80.0-120*		*12/05/2017 14:24*	WG1048646
(S) Dibromofluoromethane	*105*			*74.0-131*		*12/05/2017 14:24*	WG1048646
(S) Dibromofluoromethane	*104*			*74.0-131*		*12/02/2017 15:18*	WG1048646
(S) 4-Bromofluorobenzene	*88.9*			*64.0-132*		*12/02/2017 15:18*	WG1048646
(S) 4-Bromofluorobenzene	*99.3*			*64.0-132*		*12/05/2017 14:24*	WG1048646

JC 12/20/17

B-228-11

Collected date/time: 11/29/17 08:50

SAMPLE RESULTS - 09

L954448

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

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	90.0		1	12/05/2017 13:36	WG1049600

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0111	0.0556	1	12/02/2017 15:38	WG1048646
Acrylonitrile	U		0.00199	0.0111	1	12/02/2017 15:38	WG1048646
Benzene	U		0.000300	0.00111	1	12/02/2017 15:38	WG1048646
Bromobenzene	U		0.000316	0.00111	1	12/02/2017 15:38	WG1048646
Bromodichloromethane	U		0.000282	0.00111	1	12/02/2017 15:38	WG1048646
Bromochloromethane	U		0.000433	0.00556	1	12/02/2017 15:38	WG1048646
Bromoform	U		0.000471	0.00111	1	12/02/2017 15:38	WG1048646
Bromomethane	U		0.00149	0.00556	1	12/02/2017 15:38	WG1048646
n-Butylbenzene	U		0.000287	0.00111	1	12/02/2017 15:38	WG1048646
sec-Butylbenzene	U		0.000223	0.00111	1	12/02/2017 15:38	WG1048646
tert-Butylbenzene	U		0.000229	0.00111	1	12/02/2017 15:38	WG1048646
Carbon disulfide	U		0.000246	0.00111	1	12/02/2017 15:38	WG1048646
Carbon tetrachloride	U		0.000365	0.00111	1	12/02/2017 15:38	WG1048646
Chlorobenzene	U		0.000236	0.00111	1	12/02/2017 15:38	WG1048646
Chlorodibromomethane	U		0.000415	0.00111	1	12/02/2017 15:38	WG1048646
Chloroethane	U		0.00105	0.00556	1	12/02/2017 15:38	WG1048646
Chloroform	U		0.000255	0.00556	1	12/02/2017 15:38	WG1048646
Chloromethane	U		0.000417	0.00278	1	12/02/2017 15:38	WG1048646
2-Chlorotoluene	U		0.000335	0.00111	1	12/02/2017 15:38	WG1048646
4-Chlorotoluene	U		0.000267	0.00111	1	12/02/2017 15:38	WG1048646
1,2-Dibromo-3-Chloropropane	U		0.00117	0.00556	1	12/02/2017 15:38	WG1048646
1,2-Dibromoethane	U	J4	0.000381	0.00111	1	12/02/2017 15:38	WG1048646
Dibromomethane	U		0.000425	0.00111	1	12/02/2017 15:38	WG1048646
1,2-Dichlorobenzene	U		0.000339	0.00111	1	12/02/2017 15:38	WG1048646
1,3-Dichlorobenzene	U		0.000266	0.00111	1	12/02/2017 15:38	WG1048646
1,4-Dichlorobenzene	U		0.000251	0.00111	1	12/02/2017 15:38	WG1048646
Dichlorodifluoromethane	U		0.000793	0.00556	1	12/02/2017 15:38	WG1048646
1,1-Dichloroethane	U		0.000221	0.00111	1	12/02/2017 15:38	WG1048646
1,2-Dichloroethane	U		0.000295	0.00111	1	12/02/2017 15:38	WG1048646
1,1-Dichloroethene	U		0.000337	0.00111	1	12/02/2017 15:38	WG1048646
cis-1,2-Dichloroethene	0.000669 J	J	0.000261	0.00111	1	12/02/2017 15:38	WG1048646
trans-1,2-Dichloroethene	U		0.000293	0.00111	1	12/02/2017 15:38	WG1048646
1,2-Dichloropropane	U		0.000398	0.00111	1	12/02/2017 15:38	WG1048646
1,1-Dichloropropene	U		0.000352	0.00111	1	12/02/2017 15:38	WG1048646
1,3-Dichloropropane	U		0.000230	0.00111	1	12/02/2017 15:38	WG1048646
cis-1,3-Dichloropropene	U		0.000291	0.00111	1	12/02/2017 15:38	WG1048646
trans-1,3-Dichloropropene	U		0.000297	0.00111	1	12/02/2017 15:38	WG1048646
trans-1,4-Dichloro-2-butene	U		0.000865	0.00278	1	12/02/2017 15:38	WG1048646
2,2-Dichloropropane	U		0.000310	0.00111	1	12/02/2017 15:38	WG1048646
Di-isopropyl ether	U		0.000276	0.00111	1	12/02/2017 15:38	WG1048646
Ethylbenzene	U		0.000330	0.00111	1	12/02/2017 15:38	WG1048646
Hexachloro-1,3-butadiene	U		0.000380	0.00111	1	12/02/2017 15:38	WG1048646
2-Hexanone	U	J3	0.00152	0.0111	1	12/02/2017 15:38	WG1048646
n-Hexane	U		0.000322	0.0111	1	12/02/2017 15:38	WG1048646
Iodomethane	U		0.00281	0.0111	1	12/02/2017 15:38	WG1048646
Isopropylbenzene	U		0.000270	0.00111	1	12/02/2017 15:38	WG1048646
p-Isopropyltoluene	U		0.000227	0.00111	1	12/02/2017 15:38	WG1048646
2-Butanone (MEK)	U		0.00520	0.0111	1	12/02/2017 15:38	WG1048646
Methylene Chloride	U		0.00111	0.00556	1	12/02/2017 15:38	WG1048646
4-Methyl-2-pentanone (MIBK)	U		0.00209	0.0111	1	12/02/2017 15:38	WG1048646

JC 12/20/17

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000236	0.00111	1	12/02/2017 15:38	WG1048646
Naphthalene	U		0.00111	0.00556	1	12/02/2017 15:38	WG1048646
n-Propylbenzene	U		0.000229	0.00111	1	12/02/2017 15:38	WG1048646
Styrene	U		0.000260	0.00111	1	12/02/2017 15:38	WG1048646
1,1,1,2-Tetrachloroethane	U		0.000293	0.00111	1	12/02/2017 15:38	WG1048646
1,1,2,2-Tetrachloroethane	U		0.000406	0.00111	1	12/02/2017 15:38	WG1048646
1,1,2-Trichlorotrifluoroethane	U		0.000406	0.00111	1	12/02/2017 15:38	WG1048646
Tetrachloroethene	0.00300		0.000307	0.00111	1	12/05/2017 14:45	WG1048646
Toluene	U		0.000482	0.00556	1	12/02/2017 15:38	WG1048646
1,2,3-Trichlorobenzene	U		0.000340	0.00111	1	12/02/2017 15:38	WG1048646
1,2,4-Trichlorobenzene	U		0.000431	0.00111	1	12/02/2017 15:38	WG1048646
1,1,1-Trichloroethane	U		0.000318	0.00111	1	12/02/2017 15:38	WG1048646
1,1,2-Trichloroethane	U		0.000308	0.00111	1	12/02/2017 15:38	WG1048646
Trichloroethene	0.000709 J	J	0.000310	0.00111	1	12/02/2017 15:38	WG1048646
Trichlorofluoromethane	U		0.000425	0.00556	1	12/02/2017 15:38	WG1048646
1,2,3-Trichloropropane	U		0.000824	0.00278	1	12/02/2017 15:38	WG1048646
1,2,4-Trimethylbenzene	U		0.000235	0.00111	1	12/02/2017 15:38	WG1048646
1,2,3-Trimethylbenzene	U		0.000319	0.00111	1	12/02/2017 15:38	WG1048646
1,3,5-Trimethylbenzene	U		0.000296	0.00111	1	12/02/2017 15:38	WG1048646
Vinyl acetate	U		0.00266	0.0111	1	12/02/2017 15:38	WG1048646
Vinyl chloride	U		0.000323	0.00111	1	12/02/2017 15:38	WG1048646
Xylenes, Total	U		0.000776	0.00333	1	12/02/2017 15:38	WG1048646
(S) Toluene-d8	*97.3*			*80.0-120*		*12/02/2017 15:38*	WG1048646
(S) Toluene-d8	*93.0*			*80.0-120*		*12/05/2017 14:45*	WG1048646
(S) Dibromofluoromethane	*102*			*74.0-131*		*12/05/2017 14:45*	WG1048646
(S) Dibromofluoromethane	*102*			*74.0-131*		*12/02/2017 15:38*	WG1048646
(S) 4-Bromofluorobenzene	*91.5*			*64.0-132*		*12/02/2017 15:38*	WG1048646
(S) 4-Bromofluorobenzene	*99.5*			*64.0-132*		*12/05/2017 14:45*	WG1048646

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Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	92.8		1	12/05/2017 13:36	WG1049600

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0108	0.0539	1	12/02/2017 15:58	WG1048646
Acrylonitrile	U		0.00193	0.0108	1	12/02/2017 15:58	WG1048646
Benzene	U		0.000291	0.00108	1	12/02/2017 15:58	WG1048646
Bromobenzene	U		0.000306	0.00108	1	12/02/2017 15:58	WG1048646
Bromodichloromethane	U		0.000274	0.00108	1	12/02/2017 15:58	WG1048646
Bromochloromethane	U		0.000420	0.00539	1	12/02/2017 15:58	WG1048646
Bromoform	U		0.000457	0.00108	1	12/02/2017 15:58	WG1048646
Bromomethane	U		0.00144	0.00539	1	12/02/2017 15:58	WG1048646
n-Butylbenzene	U		0.000278	0.00108	1	12/02/2017 15:58	WG1048646
sec-Butylbenzene	U		0.000217	0.00108	1	12/02/2017 15:58	WG1048646
tert-Butylbenzene	U		0.000222	0.00108	1	12/02/2017 15:58	WG1048646
Carbon disulfide	U		0.000238	0.00108	1	12/02/2017 15:58	WG1048646
Carbon tetrachloride	U		0.000353	0.00108	1	12/02/2017 15:58	WG1048646
Chlorobenzene	U		0.000228	0.00108	1	12/02/2017 15:58	WG1048646
Chlorodibromomethane	U		0.000402	0.00108	1	12/02/2017 15:58	WG1048646
Chloroethane	U		0.00102	0.00539	1	12/02/2017 15:58	WG1048646
Chloroform	0.000638 J	J	0.000247	0.00539	1	12/02/2017 15:58	WG1048646
Chloromethane	U		0.000404	0.00269	1	12/02/2017 15:58	WG1048646
2-Chlorotoluene	U		0.000324	0.00108	1	12/02/2017 15:58	WG1048646
4-Chlorotoluene	U		0.000259	0.00108	1	12/02/2017 15:58	WG1048646
1,2-Dibromo-3-Chloropropane	U		0.00113	0.00539	1	12/02/2017 15:58	WG1048646
1,2-Dibromoethane	U	J4	0.000369	0.00108	1	12/02/2017 15:58	WG1048646
Dibromomethane	U		0.000411	0.00108	1	12/02/2017 15:58	WG1048646
1,2-Dichlorobenzene	U		0.000329	0.00108	1	12/02/2017 15:58	WG1048646
1,3-Dichlorobenzene	U		0.000257	0.00108	1	12/02/2017 15:58	WG1048646
1,4-Dichlorobenzene	U		0.000243	0.00108	1	12/02/2017 15:58	WG1048646
Dichlorodifluoromethane	U		0.000768	0.00539	1	12/02/2017 15:58	WG1048646
1,1-Dichloroethane	U		0.000214	0.00108	1	12/02/2017 15:58	WG1048646
1,2-Dichloroethane	U		0.000285	0.00108	1	12/02/2017 15:58	WG1048646
1,1-Dichloroethene	0.00143		0.000326	0.00108	1	12/02/2017 15:58	WG1048646
cis-1,2-Dichloroethene	0.811 J		0.0253	0.108	100	12/05/2017 20:25	WG1048646
trans-1,2-Dichloroethene	0.00385		0.000284	0.00108	1	12/02/2017 15:58	WG1048646
1,2-Dichloropropane	U		0.000386	0.00108	1	12/02/2017 15:58	WG1048646
1,1-Dichloropropene	U		0.000341	0.00108	1	12/02/2017 15:58	WG1048646
1,3-Dichloropropane	U		0.000223	0.00108	1	12/02/2017 15:58	WG1048646
cis-1,3-Dichloropropene	U		0.000282	0.00108	1	12/02/2017 15:58	WG1048646
trans-1,3-Dichloropropene	U		0.000288	0.00108	1	12/02/2017 15:58	WG1048646
trans-1,4-Dichloro-2-butene	U		0.000838	0.00269	1	12/02/2017 15:58	WG1048646
2,2-Dichloropropane	U		0.000301	0.00108	1	12/02/2017 15:58	WG1048646
Di-isopropyl ether	U		0.000267	0.00108	1	12/02/2017 15:58	WG1048646
Ethylbenzene	U		0.000320	0.00108	1	12/02/2017 15:58	WG1048646
Hexachloro-1,3-butadiene	U		0.000368	0.00108	1	12/02/2017 15:58	WG1048646
2-Hexanone	U	J3	0.00148	0.0108	1	12/02/2017 15:58	WG1048646
n-Hexane	U		0.000312	0.0108	1	12/02/2017 15:58	WG1048646
Iodomethane	U		0.00273	0.0108	1	12/02/2017 15:58	WG1048646
Isopropylbenzene	U		0.000262	0.00108	1	12/02/2017 15:58	WG1048646
p-Isopropyltoluene	U		0.000220	0.00108	1	12/02/2017 15:58	WG1048646
2-Butanone (MEK)	U		0.00504	0.0108	1	12/02/2017 15:58	WG1048646
Methylene Chloride	U		0.00108	0.00539	1	12/02/2017 15:58	WG1048646
4-Methyl-2-pentanone (MIBK)	U		0.00203	0.0108	1	12/02/2017 15:58	WG1048646

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000228	0.00108	1	12/02/2017 15:58	WG1048646
Naphthalene	U		0.00108	0.00539	1	12/02/2017 15:58	WG1048646
n-Propylbenzene	U		0.000222	0.00108	1	12/02/2017 15:58	WG1048646
Styrene	U		0.000252	0.00108	1	12/02/2017 15:58	WG1048646
1,1,1,2-Tetrachloroethane	U		0.000284	0.00108	1	12/02/2017 15:58	WG1048646
1,1,2,2-Tetrachloroethane	U		0.000393	0.00108	1	12/02/2017 15:58	WG1048646
1,1,2-Trichlorotrifluoroethane	U		0.000393	0.00108	1	12/02/2017 15:58	WG1048646
Tetrachloroethene	203 J		0.595	2.15	2000	12/06/2017 16:17	WG1048646
Toluene	0.000556 J	J	0.000467	0.00539	1	12/02/2017 15:58	WG1048646
1,2,3-Trichlorobenzene	U		0.000330	0.00108	1	12/02/2017 15:58	WG1048646
1,2,4-Trichlorobenzene	U		0.000418	0.00108	1	12/02/2017 15:58	WG1048646
1,1,1-Trichloroethane	U		0.000308	0.00108	1	12/02/2017 15:58	WG1048646
1,1,2-Trichloroethane	U		0.000298	0.00108	1	12/02/2017 15:58	WG1048646
Trichloroethene	0.680 J		0.0301	0.108	100	12/05/2017 20:25	WG1048646
Trichlorofluoromethane	U		0.000411	0.00539	1	12/02/2017 15:58	WG1048646
1,2,3-Trichloropropane	U		0.000798	0.00269	1	12/02/2017 15:58	WG1048646
1,2,4-Trimethylbenzene	U		0.000227	0.00108	1	12/02/2017 15:58	WG1048646
1,2,3-Trimethylbenzene	U		0.000309	0.00108	1	12/02/2017 15:58	WG1048646
1,3,5-Trimethylbenzene	U		0.000287	0.00108	1	12/02/2017 15:58	WG1048646
Vinyl acetate	U		0.00257	0.0108	1	12/02/2017 15:58	WG1048646
Vinyl chloride	0.00764		0.000313	0.00108	1	12/02/2017 15:58	WG1048646
Xylenes, Total	U		0.000752	0.00323	1	12/02/2017 15:58	WG1048646
(S) Toluene-d8	*97.9*			*80.0-120*		*12/02/2017 15:58*	WG1048646
(S) Toluene-d8	*102*			*80.0-120*		*12/06/2017 16:17*	WG1048646
(S) Toluene-d8	*98.6*			*80.0-120*		*12/05/2017 20:25*	WG1048646
(S) Dibromofluoromethane	*99.7*			*74.0-131*		*12/05/2017 20:25*	WG1048646
(S) Dibromofluoromethane	*97.2*			*74.0-131*		*12/02/2017 15:58*	WG1048646
(S) Dibromofluoromethane	*104*			*74.0-131*		*12/06/2017 16:17*	WG1048646
(S) 4-Bromofluorobenzene	*89.9*			*64.0-132*		*12/02/2017 15:58*	WG1048646
(S) 4-Bromofluorobenzene	*99.1*			*64.0-132*		*12/06/2017 16:17*	WG1048646
(S) 4-Bromofluorobenzene	*101*			*64.0-132*		*12/05/2017 20:25*	WG1048646

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

Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch
Analyte	%			date / time	
Total Solids	88.4		1	12/05/2017 14:02	WG1049601

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

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0113	0.0565	1	12/02/2017 16:18	WG1048646
Acrylonitrile	U		0.00202	0.0113	1	12/02/2017 16:18	WG1048646
Benzene	U		0.000305	0.00113	1	12/02/2017 16:18	WG1048646
Bromobenzene	U		0.000321	0.00113	1	12/02/2017 16:18	WG1048646
Bromodichloromethane	U		0.000287	0.00113	1	12/02/2017 16:18	WG1048646
Bromochloromethane	U		0.000441	0.00565	1	12/02/2017 16:18	WG1048646
Bromoform	U		0.000479	0.00113	1	12/02/2017 16:18	WG1048646
Bromomethane	U		0.00152	0.00565	1	12/02/2017 16:18	WG1048646
n-Butylbenzene	U		0.000292	0.00113	1	12/02/2017 16:18	WG1048646
sec-Butylbenzene	U		0.000227	0.00113	1	12/02/2017 16:18	WG1048646
tert-Butylbenzene	U		0.000233	0.00113	1	12/02/2017 16:18	WG1048646
Carbon disulfide	U		0.000250	0.00113	1	12/02/2017 16:18	WG1048646
Carbon tetrachloride	U		0.000371	0.00113	1	12/02/2017 16:18	WG1048646
Chlorobenzene	U		0.000240	0.00113	1	12/02/2017 16:18	WG1048646
Chlorodibromomethane	U		0.000422	0.00113	1	12/02/2017 16:18	WG1048646
Chloroethane	U		0.00107	0.00565	1	12/02/2017 16:18	WG1048646
Chloroform	U		0.000259	0.00565	1	12/02/2017 16:18	WG1048646
Chloromethane	U		0.000424	0.00283	1	12/02/2017 16:18	WG1048646
2-Chlorotoluene	U		0.000340	0.00113	1	12/02/2017 16:18	WG1048646
4-Chlorotoluene	U		0.000271	0.00113	1	12/02/2017 16:18	WG1048646
1,2-Dibromo-3-Chloropropane	U		0.00119	0.00565	1	12/02/2017 16:18	WG1048646
1,2-Dibromoethane	U	J4	0.000388	0.00113	1	12/02/2017 16:18	WG1048646
Dibromomethane	U		0.000432	0.00113	1	12/02/2017 16:18	WG1048646
1,2-Dichlorobenzene	U		0.000345	0.00113	1	12/02/2017 16:18	WG1048646
1,3-Dichlorobenzene	U		0.000270	0.00113	1	12/02/2017 16:18	WG1048646
1,4-Dichlorobenzene	U		0.000256	0.00113	1	12/02/2017 16:18	WG1048646
Dichlorodifluoromethane	U		0.000806	0.00565	1	12/02/2017 16:18	WG1048646
1,1-Dichloroethane	U		0.000225	0.00113	1	12/02/2017 16:18	WG1048646
1,2-Dichloroethane	U		0.000300	0.00113	1	12/02/2017 16:18	WG1048646
1,1-Dichloroethene	U		0.000343	0.00113	1	12/02/2017 16:18	WG1048646
cis-1,2-Dichloroethene	0.0290		0.000266	0.00113	1	12/02/2017 16:18	WG1048646
trans-1,2-Dichloroethene	0.000496 J	J	0.000299	0.00113	1	12/02/2017 16:18	WG1048646
1,2-Dichloropropane	U		0.000405	0.00113	1	12/02/2017 16:18	WG1048646
1,1-Dichloropropene	U		0.000358	0.00113	1	12/02/2017 16:18	WG1048646
1,3-Dichloropropane	U		0.000234	0.00113	1	12/02/2017 16:18	WG1048646
cis-1,3-Dichloropropene	U		0.000296	0.00113	1	12/02/2017 16:18	WG1048646
trans-1,3-Dichloropropene	U		0.000302	0.00113	1	12/02/2017 16:18	WG1048646
trans-1,4-Dichloro-2-butene	U		0.000880	0.00283	1	12/02/2017 16:18	WG1048646
2,2-Dichloropropane	U		0.000316	0.00113	1	12/02/2017 16:18	WG1048646
Di-isopropyl ether	U		0.000280	0.00113	1	12/02/2017 16:18	WG1048646
Ethylbenzene	U		0.000336	0.00113	1	12/02/2017 16:18	WG1048646
Hexachloro-1,3-butadiene	U		0.000387	0.00113	1	12/02/2017 16:18	WG1048646
2-Hexanone	U	J3	0.00155	0.0113	1	12/02/2017 16:18	WG1048646
n-Hexane	U		0.000328	0.0113	1	12/02/2017 16:18	WG1048646
Iodomethane	U		0.00286	0.0113	1	12/02/2017 16:18	WG1048646
Isopropylbenzene	U		0.000275	0.00113	1	12/02/2017 16:18	WG1048646
p-Isopropyltoluene	U		0.000231	0.00113	1	12/02/2017 16:18	WG1048646
2-Butanone (MEK)	U		0.00529	0.0113	1	12/02/2017 16:18	WG1048646
Methylene Chloride	U		0.00113	0.00565	1	12/02/2017 16:18	WG1048646
4-Methyl-2-pentanone (MIBK)	U		0.00213	0.0113	1	12/02/2017 16:18	WG1048646

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000240	0.00113	1	12/02/2017 16:18	WG1048646
Naphthalene	U		0.00113	0.00565	1	12/02/2017 16:18	WG1048646
n-Propylbenzene	U		0.000233	0.00113	1	12/02/2017 16:18	WG1048646
Styrene	U		0.000265	0.00113	1	12/02/2017 16:18	WG1048646
1,1,1,2-Tetrachloroethane	U		0.000299	0.00113	1	12/02/2017 16:18	WG1048646
1,1,2,2-Tetrachloroethane	U		0.000413	0.00113	1	12/02/2017 16:18	WG1048646
1,1,2-Trichlorotrifluoroethane	U		0.000413	0.00113	1	12/02/2017 16:18	WG1048646
Tetrachloroethene	14.0		0.0312	0.113	100	12/05/2017 20:46	WG1048646
Toluene	U		0.000491	0.00565	1	12/02/2017 16:18	WG1048646
1,2,3-Trichlorobenzene	U		0.000346	0.00113	1	12/02/2017 16:18	WG1048646
1,2,4-Trichlorobenzene	U		0.000439	0.00113	1	12/02/2017 16:18	WG1048646
1,1,1-Trichloroethane	U		0.000323	0.00113	1	12/02/2017 16:18	WG1048646
1,1,2-Trichloroethane	U		0.000313	0.00113	1	12/02/2017 16:18	WG1048646
Trichloroethene	0.0594		0.000316	0.00113	1	12/02/2017 16:18	WG1048646
Trichlorofluoromethane	U		0.000432	0.00565	1	12/02/2017 16:18	WG1048646
1,2,3-Trichloropropane	U		0.000838	0.00283	1	12/02/2017 16:18	WG1048646
1,2,4-Trimethylbenzene	U		0.000239	0.00113	1	12/02/2017 16:18	WG1048646
1,2,3-Trimethylbenzene	U		0.000325	0.00113	1	12/02/2017 16:18	WG1048646
1,3,5-Trimethylbenzene	U		0.000301	0.00113	1	12/02/2017 16:18	WG1048646
Vinyl acetate	U		0.00270	0.0113	1	12/02/2017 16:18	WG1048646
Vinyl chloride	0.000858 J	J	0.000329	0.00113	1	12/02/2017 16:18	WG1048646
Xylenes, Total	U		0.000789	0.00339	1	12/02/2017 16:18	WG1048646
(S) Toluene-d8	*100*			*80.0-120*		*12/02/2017 16:18*	WG1048646
(S) Toluene-d8	*101*			*80.0-120*		*12/05/2017 20:46*	WG1048646
(S) Dibromofluoromethane	*97.9*			*74.0-131*		*12/05/2017 20:46*	WG1048646
(S) Dibromofluoromethane	*98.6*			*74.0-131*		*12/02/2017 16:18*	WG1048646
(S) 4-Bromofluorobenzene	*90.8*			*64.0-132*		*12/02/2017 16:18*	WG1048646
(S) 4-Bromofluorobenzene	*98.4*			*64.0-132*		*12/05/2017 20:46*	WG1048646

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Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	87.1		1	12/05/2017 14:02	WG1049601

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0115	0.0574	1	12/02/2017 16:38	WG1048646
Acrylonitrile	U		0.00206	0.0115	1	12/02/2017 16:38	WG1048646
Benzene	U		0.000310	0.00115	1	12/02/2017 16:38	WG1048646
Bromobenzene	U		0.000326	0.00115	1	12/02/2017 16:38	WG1048646
Bromodichloromethane	U		0.000292	0.00115	1	12/02/2017 16:38	WG1048646
Bromochloromethane	U		0.000448	0.00574	1	12/02/2017 16:38	WG1048646
Bromoform	U		0.000487	0.00115	1	12/02/2017 16:38	WG1048646
Bromomethane	U		0.00154	0.00574	1	12/02/2017 16:38	WG1048646
n-Butylbenzene	U		0.000296	0.00115	1	12/02/2017 16:38	WG1048646
sec-Butylbenzene	U		0.000231	0.00115	1	12/02/2017 16:38	WG1048646
tert-Butylbenzene	U		0.000237	0.00115	1	12/02/2017 16:38	WG1048646
Carbon disulfide	U		0.000254	0.00115	1	12/02/2017 16:38	WG1048646
Carbon tetrachloride	U		0.000377	0.00115	1	12/02/2017 16:38	WG1048646
Chlorobenzene	U		0.000244	0.00115	1	12/02/2017 16:38	WG1048646
Chlorodibromomethane	U		0.000428	0.00115	1	12/02/2017 16:38	WG1048646
Chloroethane	U		0.00109	0.00574	1	12/02/2017 16:38	WG1048646
Chloroform	0.000686 J	J	0.000263	0.00574	1	12/02/2017 16:38	WG1048646
Chloromethane	U		0.000431	0.00287	1	12/02/2017 16:38	WG1048646
2-Chlorotoluene	U		0.000346	0.00115	1	12/02/2017 16:38	WG1048646
4-Chlorotoluene	U		0.000276	0.00115	1	12/02/2017 16:38	WG1048646
1,2-Dibromo-3-Chloropropane	U		0.00121	0.00574	1	12/02/2017 16:38	WG1048646
1,2-Dibromoethane	U	J4	0.000394	0.00115	1	12/02/2017 16:38	WG1048646
Dibromomethane	U		0.000439	0.00115	1	12/02/2017 16:38	WG1048646
1,2-Dichlorobenzene	U		0.000350	0.00115	1	12/02/2017 16:38	WG1048646
1,3-Dichlorobenzene	U		0.000275	0.00115	1	12/02/2017 16:38	WG1048646
1,4-Dichlorobenzene	U		0.000260	0.00115	1	12/02/2017 16:38	WG1048646
Dichlorodifluoromethane	U		0.000819	0.00574	1	12/02/2017 16:38	WG1048646
1,1-Dichloroethane	U		0.000229	0.00115	1	12/02/2017 16:38	WG1048646
1,2-Dichloroethane	U		0.000304	0.00115	1	12/02/2017 16:38	WG1048646
1,1-Dichloroethene	0.00155		0.000348	0.00115	1	12/02/2017 16:38	WG1048646
cis-1,2-Dichloroethene	0.474 J		0.0540	0.230	200	12/05/2017 21:49	WG1048646
trans-1,2-Dichloroethene	0.00415		0.000303	0.00115	1	12/02/2017 16:38	WG1048646
1,2-Dichloropropane	U		0.000411	0.00115	1	12/02/2017 16:38	WG1048646
1,1-Dichloropropene	U		0.000364	0.00115	1	12/02/2017 16:38	WG1048646
1,3-Dichloropropane	U		0.000238	0.00115	1	12/02/2017 16:38	WG1048646
cis-1,3-Dichloropropene	U		0.000301	0.00115	1	12/02/2017 16:38	WG1048646
trans-1,3-Dichloropropene	U		0.000307	0.00115	1	12/02/2017 16:38	WG1048646
trans-1,4-Dichloro-2-butene	U		0.000894	0.00287	1	12/02/2017 16:38	WG1048646
2,2-Dichloropropane	U		0.000320	0.00115	1	12/02/2017 16:38	WG1048646
Di-isopropyl ether	U		0.000285	0.00115	1	12/02/2017 16:38	WG1048646
Ethylbenzene	U		0.000341	0.00115	1	12/02/2017 16:38	WG1048646
Hexachloro-1,3-butadiene	U		0.000393	0.00115	1	12/02/2017 16:38	WG1048646
2-Hexanone	U	J3	0.00157	0.0115	1	12/02/2017 16:38	WG1048646
n-Hexane	U		0.000333	0.0115	1	12/02/2017 16:38	WG1048646
Iodomethane	U		0.00291	0.0115	1	12/02/2017 16:38	WG1048646
Isopropylbenzene	U		0.000279	0.00115	1	12/02/2017 16:38	WG1048646
p-Isopropyltoluene	U		0.000234	0.00115	1	12/02/2017 16:38	WG1048646
2-Butanone (MEK)	U		0.00538	0.0115	1	12/02/2017 16:38	WG1048646
Methylene Chloride	U		0.00115	0.00574	1	12/02/2017 16:38	WG1048646
4-Methyl-2-pentanone (MIBK)	U		0.00216	0.0115	1	12/02/2017 16:38	WG1048646

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

JC 12/20/17

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

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000244	0.00115	1	12/02/2017 16:38	WG1048646
Naphthalene	U		0.00115	0.00574	1	12/02/2017 16:38	WG1048646
n-Propylbenzene	U		0.000237	0.00115	1	12/02/2017 16:38	WG1048646
Styrene	U		0.000269	0.00115	1	12/02/2017 16:38	WG1048646
1,1,1,2-Tetrachloroethane	U		0.000303	0.00115	1	12/02/2017 16:38	WG1048646
1,1,2,2-Tetrachloroethane	U		0.000419	0.00115	1	12/02/2017 16:38	WG1048646
1,1,2-Trichlorotrifluoroethane	U		0.000419	0.00115	1	12/02/2017 16:38	WG1048646
Tetrachloroethene	18.2 J		0.0634	0.230	200	12/05/2017 21:49	WG1048646
Toluene	0.000672 J	J	0.000499	0.00574	1	12/02/2017 16:38	WG1048646
1,2,3-Trichlorobenzene	U		0.000352	0.00115	1	12/02/2017 16:38	WG1048646
1,2,4-Trichlorobenzene	U		0.000446	0.00115	1	12/02/2017 16:38	WG1048646
1,1,1-Trichloroethane	U		0.000329	0.00115	1	12/02/2017 16:38	WG1048646
1,1,2-Trichloroethane	U		0.000318	0.00115	1	12/02/2017 16:38	WG1048646
Trichloroethene	0.378 J		0.0641	0.230	200	12/05/2017 21:49	WG1048646
Trichlorofluoromethane	U		0.000439	0.00574	1	12/02/2017 16:38	WG1048646
1,2,3-Trichloropropane	U		0.000851	0.00287	1	12/02/2017 16:38	WG1048646
1,2,4-Trimethylbenzene	U		0.000242	0.00115	1	12/02/2017 16:38	WG1048646
1,2,3-Trimethylbenzene	U		0.000330	0.00115	1	12/02/2017 16:38	WG1048646
1,3,5-Trimethylbenzene	U		0.000306	0.00115	1	12/02/2017 16:38	WG1048646
Vinyl acetate	U		0.00275	0.0115	1	12/02/2017 16:38	WG1048646
Vinyl chloride	0.00840		0.000334	0.00115	1	12/02/2017 16:38	WG1048646
Xylenes, Total	U		0.000802	0.00345	1	12/02/2017 16:38	WG1048646
(S) Toluene-d8	*103*			*80.0-120*		*12/02/2017 16:38*	WG1048646
(S) Toluene-d8	*97.5*			*80.0-120*		*12/05/2017 21:49*	WG1048646
(S) Dibromofluoromethane	*98.6*			*74.0-131*		*12/05/2017 21:49*	WG1048646
(S) Dibromofluoromethane	*97.5*			*74.0-131*		*12/02/2017 16:38*	WG1048646
(S) 4-Bromofluorobenzene	*98.0*			*64.0-132*		*12/05/2017 21:49*	WG1048646
(S) 4-Bromofluorobenzene	*89.1*			*64.0-132*		*12/02/2017 16:38*	WG1048646

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Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	92.9		1	12/05/2017 14:02	WG1049601

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0108	0.0538	1	12/02/2017 16:58	WG1048646
Acrylonitrile	U		0.00193	0.0108	1	12/02/2017 16:58	WG1048646
Benzene	U		0.000291	0.00108	1	12/02/2017 16:58	WG1048646
Bromobenzene	U		0.000306	0.00108	1	12/02/2017 16:58	WG1048646
Bromodichloromethane	U		0.000273	0.00108	1	12/02/2017 16:58	WG1048646
Bromochloromethane	U		0.000420	0.00538	1	12/02/2017 16:58	WG1048646
Bromoform	U		0.000456	0.00108	1	12/02/2017 16:58	WG1048646
Bromomethane	U		0.00144	0.00538	1	12/02/2017 16:58	WG1048646
n-Butylbenzene	U		0.000278	0.00108	1	12/02/2017 16:58	WG1048646
sec-Butylbenzene	U		0.000216	0.00108	1	12/02/2017 16:58	WG1048646
tert-Butylbenzene	U		0.000222	0.00108	1	12/02/2017 16:58	WG1048646
Carbon disulfide	U		0.000238	0.00108	1	12/02/2017 16:58	WG1048646
Carbon tetrachloride	U		0.000353	0.00108	1	12/02/2017 16:58	WG1048646
Chlorobenzene	U		0.000228	0.00108	1	12/02/2017 16:58	WG1048646
Chlorodibromomethane	U		0.000401	0.00108	1	12/02/2017 16:58	WG1048646
Chloroethane	0.00187 J	J	0.00102	0.00538	1	12/02/2017 16:58	WG1048646
Chloroform	U		0.000246	0.00538	1	12/02/2017 16:58	WG1048646
Chloromethane	U		0.000404	0.00269	1	12/02/2017 16:58	WG1048646
2-Chlorotoluene	U		0.000324	0.00108	1	12/02/2017 16:58	WG1048646
4-Chlorotoluene	U		0.000258	0.00108	1	12/02/2017 16:58	WG1048646
1,2-Dibromo-3-Chloropropane	U		0.00113	0.00538	1	12/02/2017 16:58	WG1048646
1,2-Dibromoethane	U	J4	0.000369	0.00108	1	12/02/2017 16:58	WG1048646
Dibromomethane	U		0.000411	0.00108	1	12/02/2017 16:58	WG1048646
1,2-Dichlorobenzene	U		0.000328	0.00108	1	12/02/2017 16:58	WG1048646
1,3-Dichlorobenzene	U		0.000257	0.00108	1	12/02/2017 16:58	WG1048646
1,4-Dichlorobenzene	U		0.000243	0.00108	1	12/02/2017 16:58	WG1048646
Dichlorodifluoromethane	U		0.000767	0.00538	1	12/02/2017 16:58	WG1048646
1,1-Dichloroethane	U		0.000214	0.00108	1	12/02/2017 16:58	WG1048646
1,2-Dichloroethane	U		0.000285	0.00108	1	12/02/2017 16:58	WG1048646
1,1-Dichloroethene	0.000595 J	J	0.000326	0.00108	1	12/02/2017 16:58	WG1048646
cis-1,2-Dichloroethene	0.112		0.000253	0.00108	1	12/02/2017 16:58	WG1048646
trans-1,2-Dichloroethene	0.000777 J	J	0.000284	0.00108	1	12/02/2017 16:58	WG1048646
1,2-Dichloropropane	U		0.000385	0.00108	1	12/02/2017 16:58	WG1048646
1,1-Dichloropropene	U		0.000341	0.00108	1	12/02/2017 16:58	WG1048646
1,3-Dichloropropane	U		0.000223	0.00108	1	12/02/2017 16:58	WG1048646
cis-1,3-Dichloropropene	U		0.000282	0.00108	1	12/02/2017 16:58	WG1048646
trans-1,3-Dichloropropene	U		0.000287	0.00108	1	12/02/2017 16:58	WG1048646
trans-1,4-Dichloro-2-butene	U		0.000837	0.00269	1	12/02/2017 16:58	WG1048646
2,2-Dichloropropane	U		0.000300	0.00108	1	12/02/2017 16:58	WG1048646
Di-isopropyl ether	U		0.000267	0.00108	1	12/02/2017 16:58	WG1048646
Ethylbenzene	U		0.000320	0.00108	1	12/02/2017 16:58	WG1048646
Hexachloro-1,3-butadiene	U		0.000368	0.00108	1	12/02/2017 16:58	WG1048646
2-Hexanone	U	J3	0.00147	0.0108	1	12/02/2017 16:58	WG1048646
n-Hexane	U		0.000312	0.0108	1	12/02/2017 16:58	WG1048646
Iodomethane	U		0.00272	0.0108	1	12/02/2017 16:58	WG1048646
Isopropylbenzene	U		0.000262	0.00108	1	12/02/2017 16:58	WG1048646
p-Isopropyltoluene	U		0.000220	0.00108	1	12/02/2017 16:58	WG1048646
2-Butanone (MEK)	U		0.00504	0.0108	1	12/02/2017 16:58	WG1048646
Methylene Chloride	U		0.00108	0.00538	1	12/02/2017 16:58	WG1048646
4-Methyl-2-pentanone (MIBK)	U		0.00202	0.0108	1	12/02/2017 16:58	WG1048646

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000228	0.00108	1	12/02/2017 16:58	WG1048646
Naphthalene	U		0.00108	0.00538	1	12/02/2017 16:58	WG1048646
n-Propylbenzene	U		0.000222	0.00108	1	12/02/2017 16:58	WG1048646
Styrene	U		0.000252	0.00108	1	12/02/2017 16:58	WG1048646
1,1,1,2-Tetrachloroethane	U		0.000284	0.00108	1	12/02/2017 16:58	WG1048646
1,1,2,2-Tetrachloroethane	U		0.000393	0.00108	1	12/02/2017 16:58	WG1048646
1,1,2-Trichlorotrifluoroethane	U		0.000393	0.00108	1	12/02/2017 16:58	WG1048646
Tetrachloroethene	10.2		0.0297	0.108	100	12/05/2017 21:07	WG1048646
Toluene	U		0.000467	0.00538	1	12/02/2017 16:58	WG1048646
1,2,3-Trichlorobenzene	U		0.000329	0.00108	1	12/02/2017 16:58	WG1048646
1,2,4-Trichlorobenzene	U		0.000418	0.00108	1	12/02/2017 16:58	WG1048646
1,1,1-Trichloroethane	U		0.000308	0.00108	1	12/02/2017 16:58	WG1048646
1,1,2-Trichloroethane	U		0.000298	0.00108	1	12/02/2017 16:58	WG1048646
Trichloroethene	0.0775		0.000300	0.00108	1	12/02/2017 16:58	WG1048646
Trichlorofluoromethane	U		0.000411	0.00538	1	12/02/2017 16:58	WG1048646
1,2,3-Trichloropropane	U		0.000798	0.00269	1	12/02/2017 16:58	WG1048646
1,2,4-Trimethylbenzene	U		0.000227	0.00108	1	12/02/2017 16:58	WG1048646
1,2,3-Trimethylbenzene	U		0.000309	0.00108	1	12/02/2017 16:58	WG1048646
1,3,5-Trimethylbenzene	U		0.000286	0.00108	1	12/02/2017 16:58	WG1048646
Vinyl acetate	U		0.00257	0.0108	1	12/02/2017 16:58	WG1048646
Vinyl chloride	0.0127		0.000313	0.00108	1	12/02/2017 16:58	WG1048646
Xylenes, Total	U		0.000751	0.00323	1	12/02/2017 16:58	WG1048646
(S) Toluene-d8	*101*			*80.0-120*		*12/02/2017 16:58*	WG1048646
(S) Toluene-d8	*99.6*			*80.0-120*		*12/05/2017 21:07*	WG1048646
(S) Dibromofluoromethane	*99.4*			*74.0-131*		*12/02/2017 16:58*	WG1048646
(S) Dibromofluoromethane	*98.3*			*74.0-131*		*12/05/2017 21:07*	WG1048646
(S) 4-Bromofluorobenzene	*90.2*			*64.0-132*		*12/02/2017 16:58*	WG1048646
(S) 4-Bromofluorobenzene	*99.3*			*64.0-132*		*12/05/2017 21:07*	WG1048646

JC 12/20/17

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

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	90.1		1	12/05/2017 14:02	WG1049601

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0111	0.0555	1	12/02/2017 17:18	WG1048646
Acrylonitrile	U		0.00199	0.0111	1	12/02/2017 17:18	WG1048646
Benzene	U		0.000300	0.00111	1	12/02/2017 17:18	WG1048646
Bromobenzene	U		0.000315	0.00111	1	12/02/2017 17:18	WG1048646
Bromodichloromethane	U		0.000282	0.00111	1	12/02/2017 17:18	WG1048646
Bromochloromethane	U		0.000433	0.00555	1	12/02/2017 17:18	WG1048646
Bromoform	U		0.000471	0.00111	1	12/02/2017 17:18	WG1048646
Bromomethane	U		0.00149	0.00555	1	12/02/2017 17:18	WG1048646
n-Butylbenzene	U		0.000286	0.00111	1	12/02/2017 17:18	WG1048646
sec-Butylbenzene	U		0.000223	0.00111	1	12/02/2017 17:18	WG1048646
tert-Butylbenzene	U		0.000229	0.00111	1	12/02/2017 17:18	WG1048646
Carbon disulfide	U		0.000245	0.00111	1	12/02/2017 17:18	WG1048646
Carbon tetrachloride	U		0.000364	0.00111	1	12/02/2017 17:18	WG1048646
Chlorobenzene	U		0.000235	0.00111	1	12/02/2017 17:18	WG1048646
Chlorodibromomethane	U		0.000414	0.00111	1	12/02/2017 17:18	WG1048646
Chloroethane	U		0.00105	0.00555	1	12/02/2017 17:18	WG1048646
Chloroform	U		0.000254	0.00555	1	12/02/2017 17:18	WG1048646
Chloromethane	U		0.000416	0.00278	1	12/02/2017 17:18	WG1048646
2-Chlorotoluene	U		0.000334	0.00111	1	12/02/2017 17:18	WG1048646
4-Chlorotoluene	U		0.000266	0.00111	1	12/02/2017 17:18	WG1048646
1,2-Dibromo-3-Chloropropane	U		0.00117	0.00555	1	12/02/2017 17:18	WG1048646
1,2-Dibromoethane	U	J4	0.000381	0.00111	1	12/02/2017 17:18	WG1048646
Dibromomethane	U		0.000424	0.00111	1	12/02/2017 17:18	WG1048646
1,2-Dichlorobenzene	U		0.000339	0.00111	1	12/02/2017 17:18	WG1048646
1,3-Dichlorobenzene	U		0.000265	0.00111	1	12/02/2017 17:18	WG1048646
1,4-Dichlorobenzene	U		0.000251	0.00111	1	12/02/2017 17:18	WG1048646
Dichlorodifluoromethane	U		0.000792	0.00555	1	12/02/2017 17:18	WG1048646
1,1-Dichloroethane	U		0.000221	0.00111	1	12/02/2017 17:18	WG1048646
1,2-Dichloroethane	U		0.000294	0.00111	1	12/02/2017 17:18	WG1048646
1,1-Dichloroethene	0.000822 J	J	0.000336	0.00111	1	12/02/2017 17:18	WG1048646
cis-1,2-Dichloroethene	0.121		0.000261	0.00111	1	12/02/2017 17:18	WG1048646
trans-1,2-Dichloroethene	0.000614 J	J	0.000293	0.00111	1	12/02/2017 17:18	WG1048646
1,2-Dichloropropane	U		0.000397	0.00111	1	12/02/2017 17:18	WG1048646
1,1-Dichloropropene	U		0.000352	0.00111	1	12/02/2017 17:18	WG1048646
1,3-Dichloropropane	U		0.000230	0.00111	1	12/02/2017 17:18	WG1048646
cis-1,3-Dichloropropene	U		0.000291	0.00111	1	12/02/2017 17:18	WG1048646
trans-1,3-Dichloropropene	U		0.000296	0.00111	1	12/02/2017 17:18	WG1048646
trans-1,4-Dichloro-2-butene	U		0.000864	0.00278	1	12/02/2017 17:18	WG1048646
2,2-Dichloropropane	U		0.000310	0.00111	1	12/02/2017 17:18	WG1048646
Di-isopropyl ether	U		0.000275	0.00111	1	12/02/2017 17:18	WG1048646
Ethylbenzene	U		0.000330	0.00111	1	12/02/2017 17:18	WG1048646
Hexachloro-1,3-butadiene	U		0.000380	0.00111	1	12/02/2017 17:18	WG1048646
2-Hexanone	U	J3	0.00152	0.0111	1	12/02/2017 17:18	WG1048646
n-Hexane	U		0.000322	0.0111	1	12/02/2017 17:18	WG1048646
Iodomethane	U		0.00281	0.0111	1	12/02/2017 17:18	WG1048646
Isopropylbenzene	U		0.000270	0.00111	1	12/02/2017 17:18	WG1048646
p-Isopropyltoluene	U		0.000227	0.00111	1	12/02/2017 17:18	WG1048646
2-Butanone (MEK)	U		0.00520	0.0111	1	12/02/2017 17:18	WG1048646
Methylene Chloride	U		0.00111	0.00555	1	12/02/2017 17:18	WG1048646
4-Methyl-2-pentanone (MIBK)	U		0.00209	0.0111	1	12/02/2017 17:18	WG1048646

JC 12/20/17

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000235	0.00111	1	12/02/2017 17:18	WG1048646
Naphthalene	U		0.00111	0.00555	1	12/02/2017 17:18	WG1048646
n-Propylbenzene	U		0.000229	0.00111	1	12/02/2017 17:18	WG1048646
Styrene	U		0.000260	0.00111	1	12/02/2017 17:18	WG1048646
1,1,1,2-Tetrachloroethane	U		0.000293	0.00111	1	12/02/2017 17:18	WG1048646
1,1,2,2-Tetrachloroethane	U		0.000405	0.00111	1	12/02/2017 17:18	WG1048646
1,1,2-Trichlorotrifluoroethane	U		0.000405	0.00111	1	12/02/2017 17:18	WG1048646
Tetrachloroethene	1.60		0.00766	0.0278	25	12/05/2017 17:14	WG1048646
Toluene	U		0.000482	0.00555	1	12/02/2017 17:18	WG1048646
1,2,3-Trichlorobenzene	U		0.000340	0.00111	1	12/02/2017 17:18	WG1048646
1,2,4-Trichlorobenzene	U		0.000431	0.00111	1	12/02/2017 17:18	WG1048646
1,1,1-Trichloroethane	U		0.000318	0.00111	1	12/02/2017 17:18	WG1048646
1,1,2-Trichloroethane	U		0.000308	0.00111	1	12/02/2017 17:18	WG1048646
Trichloroethene	0.0786		0.000310	0.00111	1	12/02/2017 17:18	WG1048646
Trichlorofluoromethane	U		0.000424	0.00555	1	12/02/2017 17:18	WG1048646
1,2,3-Trichloropropane	U		0.000823	0.00278	1	12/02/2017 17:18	WG1048646
1,2,4-Trimethylbenzene	U		0.000234	0.00111	1	12/02/2017 17:18	WG1048646
1,2,3-Trimethylbenzene	U		0.000319	0.00111	1	12/02/2017 17:18	WG1048646
1,3,5-Trimethylbenzene	U		0.000295	0.00111	1	12/02/2017 17:18	WG1048646
Vinyl acetate	U		0.00265	0.0111	1	12/02/2017 17:18	WG1048646
Vinyl chloride	0.0103		0.000323	0.00111	1	12/02/2017 17:18	WG1048646
Xylenes, Total	U		0.000775	0.00333	1	12/02/2017 17:18	WG1048646
(S) Toluene-d8	*99.1*			*80.0-120*		*12/02/2017 17:18*	WG1048646
(S) Toluene-d8	*102*			*80.0-120*		*12/05/2017 17:14*	WG1048646
(S) Dibromofluoromethane	*98.0*			*74.0-131*		*12/05/2017 17:14*	WG1048646
(S) Dibromofluoromethane	*101*			*74.0-131*		*12/02/2017 17:18*	WG1048646
(S) 4-Bromofluorobenzene	*99.0*			*64.0-132*		*12/05/2017 17:14*	WG1048646
(S) 4-Bromofluorobenzene	*89.4*			*64.0-132*		*12/02/2017 17:18*	WG1048646

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

JC 12/20/17

B-228-36
Collected date/time: 11/29/17 10:00

SAMPLE RESULTS - 15

L954448

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	88.5		1	12/05/2017 14:02	WG1049601

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0565	1	12/02/2017 18:10	WG1048646
Acrylonitrile	U		0.00202	0.0113	1	12/02/2017 18:10	WG1048646
Benzene	U		0.000305	0.00113	1	12/02/2017 18:10	WG1048646
Bromobenzene	U		0.000321	0.00113	1	12/02/2017 18:10	WG1048646
Bromodichloromethane	U		0.000287	0.00113	1	12/02/2017 18:10	WG1048646
Bromochloromethane	U		0.000441	0.00565	1	12/02/2017 18:10	WG1048646
Bromoform	U		0.000479	0.00113	1	12/02/2017 18:10	WG1048646
Bromomethane	U		0.00151	0.00565	1	12/02/2017 18:10	WG1048646
n-Butylbenzene	U		0.000291	0.00113	1	12/02/2017 18:10	WG1048646
sec-Butylbenzene	U		0.000227	0.00113	1	12/02/2017 18:10	WG1048646
tert-Butylbenzene	U		0.000233	0.00113	1	12/02/2017 18:10	WG1048646
Carbon disulfide	U		0.000250	0.00113	1	12/02/2017 18:10	WG1048646
Carbon tetrachloride	U		0.000371	0.00113	1	12/02/2017 18:10	WG1048646
Chlorobenzene	U		0.000239	0.00113	1	12/02/2017 18:10	WG1048646
Chlorodibromomethane	U		0.000421	0.00113	1	12/02/2017 18:10	WG1048646
Chloroethane	U		0.00107	0.00565	1	12/02/2017 18:10	WG1048646
Chloroform	U		0.000259	0.00565	1	12/02/2017 18:10	WG1048646
Chloromethane	U		0.000424	0.00282	1	12/02/2017 18:10	WG1048646
2-Chlorotoluene	U		0.000340	0.00113	1	12/02/2017 18:10	WG1048646
4-Chlorotoluene	U		0.000271	0.00113	1	12/02/2017 18:10	WG1048646
1,2-Dibromo-3-Chloropropane	U		0.00119	0.00565	1	12/02/2017 18:10	WG1048646
1,2-Dibromoethane	U	J4	0.000387	0.00113	1	12/02/2017 18:10	WG1048646
Dibromomethane	U		0.000432	0.00113	1	12/02/2017 18:10	WG1048646
1,2-Dichlorobenzene	U		0.000345	0.00113	1	12/02/2017 18:10	WG1048646
1,3-Dichlorobenzene	U		0.000270	0.00113	1	12/02/2017 18:10	WG1048646
1,4-Dichlorobenzene	U		0.000255	0.00113	1	12/02/2017 18:10	WG1048646
Dichlorodifluoromethane	U		0.000805	0.00565	1	12/02/2017 18:10	WG1048646
1,1-Dichloroethane	U		0.000225	0.00113	1	12/02/2017 18:10	WG1048646
1,2-Dichloroethane	U		0.000299	0.00113	1	12/02/2017 18:10	WG1048646
1,1-Dichloroethene	0.00205		0.000342	0.00113	1	12/02/2017 18:10	WG1048646
cis-1,2-Dichloroethene	0.0648		0.000265	0.00113	1	12/02/2017 18:10	WG1048646
trans-1,2-Dichloroethene	0.000603 J	J	0.000298	0.00113	1	12/02/2017 18:10	WG1048646
1,2-Dichloropropane	U		0.000404	0.00113	1	12/02/2017 18:10	WG1048646
1,1-Dichloropropene	U		0.000358	0.00113	1	12/02/2017 18:10	WG1048646
1,3-Dichloropropane	U		0.000234	0.00113	1	12/02/2017 18:10	WG1048646
cis-1,3-Dichloropropene	U		0.000296	0.00113	1	12/02/2017 18:10	WG1048646
trans-1,3-Dichloropropene	U		0.000302	0.00113	1	12/02/2017 18:10	WG1048646
trans-1,4-Dichloro-2-butene	U		0.000879	0.00282	1	12/02/2017 18:10	WG1048646
2,2-Dichloropropane	U		0.000315	0.00113	1	12/02/2017 18:10	WG1048646
Di-isopropyl ether	U		0.000280	0.00113	1	12/02/2017 18:10	WG1048646
Ethylbenzene	U		0.000336	0.00113	1	12/02/2017 18:10	WG1048646
Hexachloro-1,3-butadiene	U		0.000386	0.00113	1	12/02/2017 18:10	WG1048646
2-Hexanone	U	J3	0.00155	0.0113	1	12/02/2017 18:10	WG1048646
n-Hexane	U		0.000328	0.0113	1	12/02/2017 18:10	WG1048646
Iodomethane	U		0.00286	0.0113	1	12/02/2017 18:10	WG1048646
Isopropylbenzene	U		0.000275	0.00113	1	12/02/2017 18:10	WG1048646
p-Isopropyltoluene	U		0.000230	0.00113	1	12/02/2017 18:10	WG1048646
2-Butanone (MEK)	U		0.00529	0.0113	1	12/02/2017 18:10	WG1048646
Methylene Chloride	U		0.00113	0.00565	1	12/02/2017 18:10	WG1048646
4-Methyl-2-pentanone (MIBK)	U		0.00212	0.0113	1	12/02/2017 18:10	WG1048646

JC 12/20/17

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000239	0.00113	1	12/02/2017 18:10	WG1048646
Naphthalene	U		0.00113	0.00565	1	12/02/2017 18:10	WG1048646
n-Propylbenzene	U		0.000233	0.00113	1	12/02/2017 18:10	WG1048646
Styrene	U		0.000264	0.00113	1	12/02/2017 18:10	WG1048646
1,1,1,2-Tetrachloroethane	U		0.000298	0.00113	1	12/02/2017 18:10	WG1048646
1,1,2,2-Tetrachloroethane	U		0.000412	0.00113	1	12/02/2017 18:10	WG1048646
1,1,2-Trichlorotrifluoroethane	U		0.000412	0.00113	1	12/02/2017 18:10	WG1048646
Tetrachloroethene	0.101 J	J0	0.000312	0.00113	1	12/02/2017 18:10	WG1048646
Toluene	U		0.000490	0.00565	1	12/02/2017 18:10	WG1048646
1,2,3-Trichlorobenzene	U		0.000346	0.00113	1	12/02/2017 18:10	WG1048646
1,2,4-Trichlorobenzene	U		0.000438	0.00113	1	12/02/2017 18:10	WG1048646
1,1,1-Trichloroethane	U		0.000323	0.00113	1	12/02/2017 18:10	WG1048646
1,1,2-Trichloroethane	U		0.000313	0.00113	1	12/02/2017 18:10	WG1048646
Trichloroethene	0.0486		0.000315	0.00113	1	12/02/2017 18:10	WG1048646
Trichlorofluoromethane	U		0.000432	0.00565	1	12/02/2017 18:10	WG1048646
1,2,3-Trichloropropane	U		0.000837	0.00282	1	12/02/2017 18:10	WG1048646
1,2,4-Trimethylbenzene	U		0.000238	0.00113	1	12/02/2017 18:10	WG1048646
1,2,3-Trimethylbenzene	U		0.000324	0.00113	1	12/02/2017 18:10	WG1048646
1,3,5-Trimethylbenzene	U		0.000300	0.00113	1	12/02/2017 18:10	WG1048646
Vinyl acetate	U		0.00270	0.0113	1	12/02/2017 18:10	WG1048646
Vinyl chloride	0.0217		0.000329	0.00113	1	12/02/2017 18:10	WG1048646
Xylenes, Total	U		0.000789	0.00339	1	12/02/2017 18:10	WG1048646
(S) Toluene-d8	*98.9*			*80.0-120*		*12/02/2017 18:10*	WG1048646
(S) Dibromofluoromethane	*105*			*74.0-131*		*12/02/2017 18:10*	WG1048646
(S) 4-Bromofluorobenzene	*88.8*			*64.0-132*		*12/02/2017 18:10*	WG1048646

JC 12/20/17

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

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	68.3		1	12/05/2017 14:02	WG1049601

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0146	0.0732	1	12/02/2017 18:30	WG1048646
Acrylonitrile	U		0.00262	0.0146	1	12/02/2017 18:30	WG1048646
Benzene	U		0.000395	0.00146	1	12/02/2017 18:30	WG1048646
Bromobenzene	U		0.000416	0.00146	1	12/02/2017 18:30	WG1048646
Bromodichloromethane	U		0.000372	0.00146	1	12/02/2017 18:30	WG1048646
Bromochloromethane	U		0.000571	0.00732	1	12/02/2017 18:30	WG1048646
Bromoform	U		0.000620	0.00146	1	12/02/2017 18:30	WG1048646
Bromomethane	U		0.00196	0.00732	1	12/02/2017 18:30	WG1048646
n-Butylbenzene	U		0.000378	0.00146	1	12/02/2017 18:30	WG1048646
sec-Butylbenzene	U		0.000294	0.00146	1	12/02/2017 18:30	WG1048646
tert-Butylbenzene	U		0.000301	0.00146	1	12/02/2017 18:30	WG1048646
Carbon disulfide	U		0.000323	0.00146	1	12/02/2017 18:30	WG1048646
Carbon tetrachloride	U		0.000480	0.00146	1	12/02/2017 18:30	WG1048646
Chlorobenzene	U		0.000310	0.00146	1	12/02/2017 18:30	WG1048646
Chlorodibromomethane	U		0.000546	0.00146	1	12/02/2017 18:30	WG1048646
Chloroethane	U		0.00138	0.00732	1	12/02/2017 18:30	WG1048646
Chloroform	0.00195 J	J	0.000335	0.00732	1	12/02/2017 18:30	WG1048646
Chloromethane	U		0.000549	0.00366	1	12/02/2017 18:30	WG1048646
2-Chlorotoluene	U		0.000440	0.00146	1	12/02/2017 18:30	WG1048646
4-Chlorotoluene	U		0.000351	0.00146	1	12/02/2017 18:30	WG1048646
1,2-Dibromo-3-Chloropropane	U		0.00154	0.00732	1	12/02/2017 18:30	WG1048646
1,2-Dibromoethane	U	J4	0.000502	0.00146	1	12/02/2017 18:30	WG1048646
Dibromomethane	U		0.000559	0.00146	1	12/02/2017 18:30	WG1048646
1,2-Dichlorobenzene	U		0.000446	0.00146	1	12/02/2017 18:30	WG1048646
1,3-Dichlorobenzene	U		0.000350	0.00146	1	12/02/2017 18:30	WG1048646
1,4-Dichlorobenzene	U		0.000331	0.00146	1	12/02/2017 18:30	WG1048646
Dichlorodifluoromethane	U		0.00104	0.00732	1	12/02/2017 18:30	WG1048646
1,1-Dichloroethane	U		0.000291	0.00146	1	12/02/2017 18:30	WG1048646
1,2-Dichloroethane	U		0.000388	0.00146	1	12/02/2017 18:30	WG1048646
1,1-Dichloroethene	U		0.000443	0.00146	1	12/02/2017 18:30	WG1048646
cis-1,2-Dichloroethene	0.0257		0.000344	0.00146	1	12/02/2017 18:30	WG1048646
trans-1,2-Dichloroethene	U		0.000386	0.00146	1	12/02/2017 18:30	WG1048646
1,2-Dichloropropane	U		0.000524	0.00146	1	12/02/2017 18:30	WG1048646
1,1-Dichloropropene	U		0.000464	0.00146	1	12/02/2017 18:30	WG1048646
1,3-Dichloropropane	U		0.000303	0.00146	1	12/02/2017 18:30	WG1048646
cis-1,3-Dichloropropene	U		0.000383	0.00146	1	12/02/2017 18:30	WG1048646
trans-1,3-Dichloropropene	U		0.000391	0.00146	1	12/02/2017 18:30	WG1048646
trans-1,4-Dichloro-2-butene	U		0.00114	0.00366	1	12/02/2017 18:30	WG1048646
2,2-Dichloropropane	U		0.000408	0.00146	1	12/02/2017 18:30	WG1048646
Di-isopropyl ether	U		0.000363	0.00146	1	12/02/2017 18:30	WG1048646
Ethylbenzene	U		0.000435	0.00146	1	12/02/2017 18:30	WG1048646
Hexachloro-1,3-butadiene	U		0.000500	0.00146	1	12/02/2017 18:30	WG1048646
2-Hexanone	U	J3	0.00200	0.0146	1	12/02/2017 18:30	WG1048646
n-Hexane	U		0.000424	0.0146	1	12/02/2017 18:30	WG1048646
Iodomethane	U		0.00370	0.0146	1	12/02/2017 18:30	WG1048646
Isopropylbenzene	U		0.000356	0.00146	1	12/02/2017 18:30	WG1048646
p-Isopropyltoluene	U		0.000299	0.00146	1	12/02/2017 18:30	WG1048646
2-Butanone (MEK)	U		0.00685	0.0146	1	12/02/2017 18:30	WG1048646
Methylene Chloride	U		0.00146	0.00732	1	12/02/2017 18:30	WG1048646
4-Methyl-2-pentanone (MIBK)	U		0.00275	0.0146	1	12/02/2017 18:30	WG1048646

JC 12/20/17

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000310	0.00146	1	12/02/2017 18:30	WG1048646
Naphthalene	U		0.00146	0.00732	1	12/02/2017 18:30	WG1048646
n-Propylbenzene	U		0.000301	0.00146	1	12/02/2017 18:30	WG1048646
Styrene	U		0.000342	0.00146	1	12/02/2017 18:30	WG1048646
1,1,1,2-Tetrachloroethane	U		0.000386	0.00146	1	12/02/2017 18:30	WG1048646
1,1,2,2-Tetrachloroethane	U		0.000534	0.00146	1	12/02/2017 18:30	WG1048646
1,1,2-Trichlorotrifluoroethane	U		0.000534	0.00146	1	12/02/2017 18:30	WG1048646
Tetrachloroethene	0.769		0.0101	0.0366	25	12/05/2017 17:37	WG1048646
Toluene	U		0.000635	0.00732	1	12/02/2017 18:30	WG1048646
1,2,3-Trichlorobenzene	U		0.000448	0.00146	1	12/02/2017 18:30	WG1048646
1,2,4-Trichlorobenzene	U		0.000568	0.00146	1	12/02/2017 18:30	WG1048646
1,1,1-Trichloroethane	U		0.000419	0.00146	1	12/02/2017 18:30	WG1048646
1,1,2-Trichloroethane	U		0.000405	0.00146	1	12/02/2017 18:30	WG1048646
Trichloroethene	0.0382		0.000408	0.00146	1	12/02/2017 18:30	WG1048646
Trichlorofluoromethane	U		0.000559	0.00732	1	12/02/2017 18:30	WG1048646
1,2,3-Trichloropropane	U		0.00108	0.00366	1	12/02/2017 18:30	WG1048646
1,2,4-Trimethylbenzene	U		0.000309	0.00146	1	12/02/2017 18:30	WG1048646
1,2,3-Trimethylbenzene	U		0.000420	0.00146	1	12/02/2017 18:30	WG1048646
1,3,5-Trimethylbenzene	U		0.000389	0.00146	1	12/02/2017 18:30	WG1048646
Vinyl acetate	U		0.00350	0.0146	1	12/02/2017 18:30	WG1048646
Vinyl chloride	U		0.000426	0.00146	1	12/02/2017 18:30	WG1048646
Xylenes, Total	U		0.00102	0.00439	1	12/02/2017 18:30	WG1048646
(S) Toluene-d8	*96.7*			*80.0-120*		*12/02/2017 18:30*	WG1048646
(S) Toluene-d8	*100*			*80.0-120*		*12/05/2017 17:37*	WG1048646
(S) Dibromofluoromethane	*106*			*74.0-131*		*12/02/2017 18:30*	WG1048646
(S) Dibromofluoromethane	*96.8*			*74.0-131*		*12/05/2017 17:37*	WG1048646
(S) 4-Bromofluorobenzene	*99.3*			*64.0-132*		*12/05/2017 17:37*	WG1048646
(S) 4-Bromofluorobenzene	*89.0*			*64.0-132*		*12/02/2017 18:30*	WG1048646

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Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	70.4		1	12/05/2017 14:02	WG1049601

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0142	0.0710	1	12/02/2017 18:50	WG1048646
Acrylonitrile	U		0.00254	0.0142	1	12/02/2017 18:50	WG1048646
Benzene	U		0.000383	0.00142	1	12/02/2017 18:50	WG1048646
Bromobenzene	U		0.000403	0.00142	1	12/02/2017 18:50	WG1048646
Bromodichloromethane	U		0.000361	0.00142	1	12/02/2017 18:50	WG1048646
Bromochloromethane	U		0.000554	0.00710	1	12/02/2017 18:50	WG1048646
Bromoform	U		0.000602	0.00142	1	12/02/2017 18:50	WG1048646
Bromomethane	U		0.00190	0.00710	1	12/02/2017 18:50	WG1048646
n-Butylbenzene	U		0.000366	0.00142	1	12/02/2017 18:50	WG1048646
sec-Butylbenzene	U		0.000285	0.00142	1	12/02/2017 18:50	WG1048646
tert-Butylbenzene	U		0.000292	0.00142	1	12/02/2017 18:50	WG1048646
Carbon disulfide	0.00210		0.000314	0.00142	1	12/02/2017 18:50	WG1048646
Carbon tetrachloride	U		0.000466	0.00142	1	12/02/2017 18:50	WG1048646
Chlorobenzene	U		0.000301	0.00142	1	12/02/2017 18:50	WG1048646
Chlorodibromomethane	U		0.000529	0.00142	1	12/02/2017 18:50	WG1048646
Chloroethane	U		0.00134	0.00710	1	12/02/2017 18:50	WG1048646
Chloroform	U		0.000325	0.00710	1	12/02/2017 18:50	WG1048646
Chloromethane	U		0.000532	0.00355	1	12/02/2017 18:50	WG1048646
2-Chlorotoluene	U		0.000427	0.00142	1	12/02/2017 18:50	WG1048646
4-Chlorotoluene	U		0.000341	0.00142	1	12/02/2017 18:50	WG1048646
1,2-Dibromo-3-Chloropropane	U		0.00149	0.00710	1	12/02/2017 18:50	WG1048646
1,2-Dibromoethane	U	J4	0.000487	0.00142	1	12/02/2017 18:50	WG1048646
Dibromomethane	U		0.000542	0.00142	1	12/02/2017 18:50	WG1048646
1,2-Dichlorobenzene	U		0.000433	0.00142	1	12/02/2017 18:50	WG1048646
1,3-Dichlorobenzene	U		0.000339	0.00142	1	12/02/2017 18:50	WG1048646
1,4-Dichlorobenzene	U		0.000321	0.00142	1	12/02/2017 18:50	WG1048646
Dichlorodifluoromethane	U		0.00101	0.00710	1	12/02/2017 18:50	WG1048646
1,1-Dichloroethane	U		0.000282	0.00142	1	12/02/2017 18:50	WG1048646
1,2-Dichloroethane	U		0.000376	0.00142	1	12/02/2017 18:50	WG1048646
1,1-Dichloroethene	U		0.000430	0.00142	1	12/02/2017 18:50	WG1048646
cis-1,2-Dichloroethene	0.118		0.000334	0.00142	1	12/02/2017 18:50	WG1048646
trans-1,2-Dichloroethene	0.00148		0.000375	0.00142	1	12/02/2017 18:50	WG1048646
1,2-Dichloropropane	U		0.000508	0.00142	1	12/02/2017 18:50	WG1048646
1,1-Dichloropropene	U		0.000450	0.00142	1	12/02/2017 18:50	WG1048646
1,3-Dichloropropane	U		0.000294	0.00142	1	12/02/2017 18:50	WG1048646
cis-1,3-Dichloropropene	U		0.000372	0.00142	1	12/02/2017 18:50	WG1048646
trans-1,3-Dichloropropene	U		0.000379	0.00142	1	12/02/2017 18:50	WG1048646
trans-1,4-Dichloro-2-butene	U		0.00110	0.00355	1	12/02/2017 18:50	WG1048646
2,2-Dichloropropane	U		0.000396	0.00142	1	12/02/2017 18:50	WG1048646
Di-isopropyl ether	U		0.000352	0.00142	1	12/02/2017 18:50	WG1048646
Ethylbenzene	U		0.000422	0.00142	1	12/02/2017 18:50	WG1048646
Hexachloro-1,3-butadiene	U		0.000485	0.00142	1	12/02/2017 18:50	WG1048646
2-Hexanone	U	J3	0.00194	0.0142	1	12/02/2017 18:50	WG1048646
n-Hexane	U		0.000412	0.0142	1	12/02/2017 18:50	WG1048646
Iodomethane	U		0.00359	0.0142	1	12/02/2017 18:50	WG1048646
Isopropylbenzene	U		0.000345	0.00142	1	12/02/2017 18:50	WG1048646
p-Isopropyltoluene	U		0.000290	0.00142	1	12/02/2017 18:50	WG1048646
2-Butanone (MEK)	U		0.00664	0.0142	1	12/02/2017 18:50	WG1048646
Methylene Chloride	U		0.00142	0.00710	1	12/02/2017 18:50	WG1048646
4-Methyl-2-pentanone (MIBK)	U		0.00267	0.0142	1	12/02/2017 18:50	WG1048646

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B-229-11

Collected date/time: 11/29/17 12:45

SAMPLE RESULTS - 17

L954448

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000301	0.00142	1	12/02/2017 18:50	WG1048646
Naphthalene	U		0.00142	0.00710	1	12/02/2017 18:50	WG1048646
n-Propylbenzene	U		0.000292	0.00142	1	12/02/2017 18:50	WG1048646
Styrene	U		0.000332	0.00142	1	12/02/2017 18:50	WG1048646
1,1,1,2-Tetrachloroethane	U		0.000375	0.00142	1	12/02/2017 18:50	WG1048646
1,1,2,2-Tetrachloroethane	U		0.000518	0.00142	1	12/02/2017 18:50	WG1048646
1,1,2-Trichlorotrifluoroethane	U		0.000518	0.00142	1	12/02/2017 18:50	WG1048646
Tetrachloroethene	0.0366 J	J0	0.000392	0.00142	1	12/02/2017 18:50	WG1048646
Toluene	0.00219 J	J	0.000616	0.00710	1	12/02/2017 18:50	WG1048646
1,2,3-Trichlorobenzene	U		0.000434	0.00142	1	12/02/2017 18:50	WG1048646
1,2,4-Trichlorobenzene	U		0.000551	0.00142	1	12/02/2017 18:50	WG1048646
1,1,1-Trichloroethane	U		0.000406	0.00142	1	12/02/2017 18:50	WG1048646
1,1,2-Trichloroethane	U		0.000393	0.00142	1	12/02/2017 18:50	WG1048646
Trichloroethene	0.00585		0.000396	0.00142	1	12/02/2017 18:50	WG1048646
Trichlorofluoromethane	U		0.000542	0.00710	1	12/02/2017 18:50	WG1048646
1,2,3-Trichloropropane	U		0.00105	0.00355	1	12/02/2017 18:50	WG1048646
1,2,4-Trimethylbenzene	U		0.000300	0.00142	1	12/02/2017 18:50	WG1048646
1,2,3-Trimethylbenzene	U		0.000407	0.00142	1	12/02/2017 18:50	WG1048646
1,3,5-Trimethylbenzene	U		0.000378	0.00142	1	12/02/2017 18:50	WG1048646
Vinyl acetate	U		0.00339	0.0142	1	12/02/2017 18:50	WG1048646
Vinyl chloride	0.0272		0.000413	0.00142	1	12/02/2017 18:50	WG1048646
Xylenes, Total	U		0.000991	0.00426	1	12/02/2017 18:50	WG1048646
(S) Toluene-d8	*99.1*			*80.0-120*		*12/02/2017 18:50*	WG1048646
(S) Dibromofluoromethane	*106*			*74.0-131*		*12/02/2017 18:50*	WG1048646
(S) 4-Bromofluorobenzene	*92.2*			*64.0-132*		*12/02/2017 18:50*	WG1048646

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

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Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	83.9		1	12/05/2017 14:02	WG1049601

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0119	0.0596	1	12/05/2017 15:06	WG1048646
Acrylonitrile	U		0.00213	0.0119	1	12/05/2017 15:06	WG1048646
Benzene	0.000388 J	J	0.000322	0.00119	1	12/05/2017 15:06	WG1048646
Bromobenzene	U		0.000339	0.00119	1	12/05/2017 15:06	WG1048646
Bromodichloromethane	U		0.000303	0.00119	1	12/05/2017 15:06	WG1048646
Bromochloromethane	U		0.000465	0.00596	1	12/05/2017 15:06	WG1048646
Bromoform	U		0.000505	0.00119	1	12/05/2017 15:06	WG1048646
Bromomethane	U		0.00160	0.00596	1	12/05/2017 15:06	WG1048646
n-Butylbenzene	U		0.000308	0.00119	1	12/05/2017 15:06	WG1048646
sec-Butylbenzene	U		0.000240	0.00119	1	12/05/2017 15:06	WG1048646
tert-Butylbenzene	U		0.000246	0.00119	1	12/05/2017 15:06	WG1048646
Carbon disulfide	0.000547 J	J	0.000263	0.00119	1	12/05/2017 15:06	WG1048646
Carbon tetrachloride	U		0.000391	0.00119	1	12/05/2017 15:06	WG1048646
Chlorobenzene	U		0.000253	0.00119	1	12/05/2017 15:06	WG1048646
Chlorodibromomethane	U		0.000445	0.00119	1	12/05/2017 15:06	WG1048646
Chloroethane	U		0.00113	0.00596	1	12/05/2017 15:06	WG1048646
Chloroform	0.000291 J	J	0.000273	0.00596	1	12/05/2017 15:06	WG1048646
Chloromethane	U		0.000447	0.00298	1	12/05/2017 15:06	WG1048646
2-Chlorotoluene	U		0.000359	0.00119	1	12/05/2017 15:06	WG1048646
4-Chlorotoluene	U		0.000286	0.00119	1	12/05/2017 15:06	WG1048646
1,2-Dibromo-3-Chloropropane	U		0.00125	0.00596	1	12/05/2017 15:06	WG1048646
1,2-Dibromoethane	U	J4	0.000409	0.00119	1	12/05/2017 15:06	WG1048646
Dibromomethane	U		0.000455	0.00119	1	12/05/2017 15:06	WG1048646
1,2-Dichlorobenzene	U		0.000364	0.00119	1	12/05/2017 15:06	WG1048646
1,3-Dichlorobenzene	U		0.000285	0.00119	1	12/05/2017 15:06	WG1048646
1,4-Dichlorobenzene	U		0.000269	0.00119	1	12/05/2017 15:06	WG1048646
Dichlorodifluoromethane	U		0.000850	0.00596	1	12/05/2017 15:06	WG1048646
1,1-Dichloroethane	U		0.000237	0.00119	1	12/05/2017 15:06	WG1048646
1,2-Dichloroethane	U		0.000316	0.00119	1	12/05/2017 15:06	WG1048646
1,1-Dichloroethene	U		0.000361	0.00119	1	12/05/2017 15:06	WG1048646
cis-1,2-Dichloroethene	0.0188		0.000280	0.00119	1	12/05/2017 15:06	WG1048646
trans-1,2-Dichloroethene	0.000828 J	J	0.000315	0.00119	1	12/05/2017 15:06	WG1048646
1,2-Dichloropropane	U		0.000427	0.00119	1	12/05/2017 15:06	WG1048646
1,1-Dichloropropene	U		0.000378	0.00119	1	12/05/2017 15:06	WG1048646
1,3-Dichloropropane	U		0.000247	0.00119	1	12/05/2017 15:06	WG1048646
cis-1,3-Dichloropropene	U		0.000312	0.00119	1	12/05/2017 15:06	WG1048646
trans-1,3-Dichloropropene	U		0.000318	0.00119	1	12/05/2017 15:06	WG1048646
trans-1,4-Dichloro-2-butene	U		0.000927	0.00298	1	12/05/2017 15:06	WG1048646
2,2-Dichloropropane	U		0.000333	0.00119	1	12/05/2017 15:06	WG1048646
Di-isopropyl ether	U		0.000296	0.00119	1	12/05/2017 15:06	WG1048646
Ethylbenzene	U		0.000354	0.00119	1	12/05/2017 15:06	WG1048646
Hexachloro-1,3-butadiene	U		0.000408	0.00119	1	12/05/2017 15:06	WG1048646
2-Hexanone	U	J3	0.00163	0.0119	1	12/05/2017 15:06	WG1048646
n-Hexane	U		0.000346	0.0119	1	12/05/2017 15:06	WG1048646
Iodomethane	U		0.00302	0.0119	1	12/05/2017 15:06	WG1048646
Isopropylbenzene	U		0.000290	0.00119	1	12/05/2017 15:06	WG1048646
p-Isopropyltoluene	U		0.000243	0.00119	1	12/05/2017 15:06	WG1048646
2-Butanone (MEK)	U		0.00558	0.0119	1	12/05/2017 15:06	WG1048646
Methylene Chloride	U		0.00119	0.00596	1	12/05/2017 15:06	WG1048646
4-Methyl-2-pentanone (MIBK)	U		0.00224	0.0119	1	12/05/2017 15:06	WG1048646

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000253	0.00119	1	12/05/2017 15:06	WG1048646
Naphthalene	U		0.00119	0.00596	1	12/05/2017 15:06	WG1048646
n-Propylbenzene	U		0.000246	0.00119	1	12/05/2017 15:06	WG1048646
Styrene	U		0.000279	0.00119	1	12/05/2017 15:06	WG1048646
1,1,1,2-Tetrachloroethane	U		0.000315	0.00119	1	12/05/2017 15:06	WG1048646
1,1,2,2-Tetrachloroethane	U		0.000435	0.00119	1	12/05/2017 15:06	WG1048646
1,1,2-Trichlorotrifluoroethane	U		0.000435	0.00119	1	12/05/2017 15:06	WG1048646
Tetrachloroethene	0.101		0.000329	0.00119	1	12/05/2017 15:06	WG1048646
Toluene	U		0.000517	0.00596	1	12/05/2017 15:06	WG1048646
1,2,3-Trichlorobenzene	U		0.000365	0.00119	1	12/05/2017 15:06	WG1048646
1,2,4-Trichlorobenzene	U		0.000463	0.00119	1	12/05/2017 15:06	WG1048646
1,1,1-Trichloroethane	U		0.000341	0.00119	1	12/05/2017 15:06	WG1048646
1,1,2-Trichloroethane	U		0.000330	0.00119	1	12/05/2017 15:06	WG1048646
Trichloroethene	0.0138		0.000333	0.00119	1	12/05/2017 15:06	WG1048646
Trichlorofluoromethane	U		0.000455	0.00596	1	12/05/2017 15:06	WG1048646
1,2,3-Trichloropropane	U		0.000883	0.00298	1	12/05/2017 15:06	WG1048646
1,2,4-Trimethylbenzene	U		0.000252	0.00119	1	12/05/2017 15:06	WG1048646
1,2,3-Trimethylbenzene	U		0.000342	0.00119	1	12/05/2017 15:06	WG1048646
1,3,5-Trimethylbenzene	U		0.000317	0.00119	1	12/05/2017 15:06	WG1048646
Vinyl acetate	U		0.00285	0.0119	1	12/05/2017 15:06	WG1048646
Vinyl chloride	0.00481		0.000347	0.00119	1	12/05/2017 15:06	WG1048646
Xylenes, Total	U		0.000832	0.00358	1	12/05/2017 15:06	WG1048646
(S) Toluene-d8	*94.3*			*80.0-120*		*12/05/2017 15:06*	WG1048646
(S) Dibromofluoromethane	*103*			*74.0-131*		*12/05/2017 15:06*	WG1048646
(S) 4-Bromofluorobenzene	*104*			*64.0-132*		*12/05/2017 15:06*	WG1048646

JC 12/20/17

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Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	91.2		1	12/05/2017 14:02	WG1049601

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0110	0.0548	1	12/02/2017 19:30	WG1048646
Acrylonitrile	U		0.00196	0.0110	1	12/02/2017 19:30	WG1048646
Benzene	U		0.000296	0.00110	1	12/02/2017 19:30	WG1048646
Bromobenzene	U		0.000311	0.00110	1	12/02/2017 19:30	WG1048646
Bromodichloromethane	U		0.000278	0.00110	1	12/02/2017 19:30	WG1048646
Bromochloromethane	U		0.000428	0.00548	1	12/02/2017 19:30	WG1048646
Bromoform	U		0.000465	0.00110	1	12/02/2017 19:30	WG1048646
Bromomethane	U		0.00147	0.00548	1	12/02/2017 19:30	WG1048646
n-Butylbenzene	U		0.000283	0.00110	1	12/02/2017 19:30	WG1048646
sec-Butylbenzene	U		0.000220	0.00110	1	12/02/2017 19:30	WG1048646
tert-Butylbenzene	U		0.000226	0.00110	1	12/02/2017 19:30	WG1048646
Carbon disulfide	U		0.000242	0.00110	1	12/02/2017 19:30	WG1048646
Carbon tetrachloride	U		0.000360	0.00110	1	12/02/2017 19:30	WG1048646
Chlorobenzene	U		0.000232	0.00110	1	12/02/2017 19:30	WG1048646
Chlorodibromomethane	U		0.000409	0.00110	1	12/02/2017 19:30	WG1048646
Chloroethane	0.00195 J	J	0.00104	0.00548	1	12/02/2017 19:30	WG1048646
Chloroform	U		0.000251	0.00548	1	12/02/2017 19:30	WG1048646
Chloromethane	U		0.000411	0.00274	1	12/02/2017 19:30	WG1048646
2-Chlorotoluene	U		0.000330	0.00110	1	12/02/2017 19:30	WG1048646
4-Chlorotoluene	U		0.000263	0.00110	1	12/02/2017 19:30	WG1048646
1,2-Dibromo-3-Chloropropane	U		0.00115	0.00548	1	12/02/2017 19:30	WG1048646
1,2-Dibromoethane	U	J4	0.000376	0.00110	1	12/02/2017 19:30	WG1048646
Dibromomethane	U		0.000419	0.00110	1	12/02/2017 19:30	WG1048646
1,2-Dichlorobenzene	U		0.000334	0.00110	1	12/02/2017 19:30	WG1048646
1,3-Dichlorobenzene	U		0.000262	0.00110	1	12/02/2017 19:30	WG1048646
1,4-Dichlorobenzene	U		0.000248	0.00110	1	12/02/2017 19:30	WG1048646
Dichlorodifluoromethane	U		0.000782	0.00548	1	12/02/2017 19:30	WG1048646
1,1-Dichloroethane	U		0.000218	0.00110	1	12/02/2017 19:30	WG1048646
1,2-Dichloroethane	U		0.000291	0.00110	1	12/02/2017 19:30	WG1048646
1,1-Dichloroethene	0.00243		0.000332	0.00110	1	12/02/2017 19:30	WG1048646
cis-1,2-Dichloroethene	0.865		0.0129	0.0548	50	12/05/2017 19:22	WG1048646
trans-1,2-Dichloroethene	0.00195		0.000289	0.00110	1	12/02/2017 19:30	WG1048646
1,2-Dichloropropane	U		0.000393	0.00110	1	12/02/2017 19:30	WG1048646
1,1-Dichloropropene	U		0.000348	0.00110	1	12/02/2017 19:30	WG1048646
1,3-Dichloropropane	U		0.000227	0.00110	1	12/02/2017 19:30	WG1048646
cis-1,3-Dichloropropene	U		0.000287	0.00110	1	12/02/2017 19:30	WG1048646
trans-1,3-Dichloropropene	U		0.000293	0.00110	1	12/02/2017 19:30	WG1048646
trans-1,4-Dichloro-2-butene	U		0.000853	0.00274	1	12/02/2017 19:30	WG1048646
2,2-Dichloropropane	U		0.000306	0.00110	1	12/02/2017 19:30	WG1048646
Di-isopropyl ether	U		0.000272	0.00110	1	12/02/2017 19:30	WG1048646
Ethylbenzene	U		0.000326	0.00110	1	12/02/2017 19:30	WG1048646
Hexachloro-1,3-butadiene	U		0.000375	0.00110	1	12/02/2017 19:30	WG1048646
2-Hexanone	U	J3	0.00150	0.0110	1	12/02/2017 19:30	WG1048646
n-Hexane	U		0.000318	0.0110	1	12/02/2017 19:30	WG1048646
Iodomethane	U		0.00277	0.0110	1	12/02/2017 19:30	WG1048646
Isopropylbenzene	U		0.000266	0.00110	1	12/02/2017 19:30	WG1048646
p-Isopropyltoluene	U		0.000224	0.00110	1	12/02/2017 19:30	WG1048646
2-Butanone (MEK)	U		0.00513	0.0110	1	12/02/2017 19:30	WG1048646
Methylene Chloride	U		0.00110	0.00548	1	12/02/2017 19:30	WG1048646
4-Methyl-2-pentanone (MIBK)	U		0.00206	0.0110	1	12/02/2017 19:30	WG1048646

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000232	0.00110	1	12/02/2017 19:30	WG1048646
Naphthalene	U		0.00110	0.00548	1	12/02/2017 19:30	WG1048646
n-Propylbenzene	U		0.000226	0.00110	1	12/02/2017 19:30	WG1048646
Styrene	U		0.000257	0.00110	1	12/02/2017 19:30	WG1048646
1,1,1,2-Tetrachloroethane	U		0.000289	0.00110	1	12/02/2017 19:30	WG1048646
1,1,2,2-Tetrachloroethane	U		0.000400	0.00110	1	12/02/2017 19:30	WG1048646
1,1,2-Trichlorotrifluoroethane	U		0.000400	0.00110	1	12/02/2017 19:30	WG1048646
Tetrachloroethene	2.50		0.0151	0.0548	50	12/05/2017 19:22	WG1048646
Toluene	U		0.000476	0.00548	1	12/02/2017 19:30	WG1048646
1,2,3-Trichlorobenzene	U		0.000336	0.00110	1	12/02/2017 19:30	WG1048646
1,2,4-Trichlorobenzene	U		0.000425	0.00110	1	12/02/2017 19:30	WG1048646
1,1,1-Trichloroethane	U		0.000314	0.00110	1	12/02/2017 19:30	WG1048646
1,1,2-Trichloroethane	U		0.000304	0.00110	1	12/02/2017 19:30	WG1048646
Trichloroethene	0.510		0.0154	0.0548	50	12/05/2017 19:22	WG1048646
Trichlorofluoromethane	U		0.000419	0.00548	1	12/02/2017 19:30	WG1048646
1,2,3-Trichloropropane	U		0.000812	0.00274	1	12/02/2017 19:30	WG1048646
1,2,4-Trimethylbenzene	U		0.000231	0.00110	1	12/02/2017 19:30	WG1048646
1,2,3-Trimethylbenzene	U		0.000315	0.00110	1	12/02/2017 19:30	WG1048646
1,3,5-Trimethylbenzene	U		0.000292	0.00110	1	12/02/2017 19:30	WG1048646
Vinyl acetate	U		0.00262	0.0110	1	12/02/2017 19:30	WG1048646
Vinyl chloride	0.0418		0.000319	0.00110	1	12/02/2017 19:30	WG1048646
Xylenes, Total	U		0.000765	0.00329	1	12/02/2017 19:30	WG1048646
(S) Toluene-d8	*100*			*80.0-120*		*12/02/2017 19:30*	WG1048646
(S) Toluene-d8	*101*			*80.0-120*		*12/05/2017 19:22*	WG1048646
(S) Dibromofluoromethane	*96.7*			*74.0-131*		*12/05/2017 19:22*	WG1048646
(S) Dibromofluoromethane	*101*			*74.0-131*		*12/02/2017 19:30*	WG1048646
(S) 4-Bromofluorobenzene	*89.9*			*64.0-132*		*12/02/2017 19:30*	WG1048646
(S) 4-Bromofluorobenzene	*99.1*			*64.0-132*		*12/05/2017 19:22*	WG1048646

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B-229-31

Collected date/time: 11/29/17 13:35

SAMPLE RESULTS - 20

L954448

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	82.9		1	12/05/2017 14:02	WG1049601

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0121	0.0603	1	12/02/2017 19:50	WG1048646
Acrylonitrile	U		0.00216	0.0121	1	12/02/2017 19:50	WG1048646
Benzene	U		0.000326	0.00121	1	12/02/2017 19:50	WG1048646
Bromobenzene	U		0.000343	0.00121	1	12/02/2017 19:50	WG1048646
Bromodichloromethane	U		0.000306	0.00121	1	12/02/2017 19:50	WG1048646
Bromochloromethane	U		0.000470	0.00603	1	12/02/2017 19:50	WG1048646
Bromoform	U		0.000511	0.00121	1	12/02/2017 19:50	WG1048646
Bromomethane	U		0.00162	0.00603	1	12/02/2017 19:50	WG1048646
n-Butylbenzene	U		0.000311	0.00121	1	12/02/2017 19:50	WG1048646
sec-Butylbenzene	U		0.000242	0.00121	1	12/02/2017 19:50	WG1048646
tert-Butylbenzene	U		0.000248	0.00121	1	12/02/2017 19:50	WG1048646
Carbon disulfide	U		0.000267	0.00121	1	12/02/2017 19:50	WG1048646
Carbon tetrachloride	U		0.000396	0.00121	1	12/02/2017 19:50	WG1048646
Chlorobenzene	U		0.000256	0.00121	1	12/02/2017 19:50	WG1048646
Chlorodibromomethane	U		0.000450	0.00121	1	12/02/2017 19:50	WG1048646
Chloroethane	U		0.00114	0.00603	1	12/02/2017 19:50	WG1048646
Chloroform	U		0.000276	0.00603	1	12/02/2017 19:50	WG1048646
Chloromethane	U		0.000452	0.00301	1	12/02/2017 19:50	WG1048646
2-Chlorotoluene	U		0.000363	0.00121	1	12/02/2017 19:50	WG1048646
4-Chlorotoluene	U		0.000289	0.00121	1	12/02/2017 19:50	WG1048646
1,2-Dibromo-3-Chloropropane	U		0.00127	0.00603	1	12/02/2017 19:50	WG1048646
1,2-Dibromoethane	U	J4	0.000414	0.00121	1	12/02/2017 19:50	WG1048646
Dibromomethane	U		0.000461	0.00121	1	12/02/2017 19:50	WG1048646
1,2-Dichlorobenzene	U		0.000368	0.00121	1	12/02/2017 19:50	WG1048646
1,3-Dichlorobenzene	U		0.000288	0.00121	1	12/02/2017 19:50	WG1048646
1,4-Dichlorobenzene	U		0.000273	0.00121	1	12/02/2017 19:50	WG1048646
Dichlorodifluoromethane	U		0.000860	0.00603	1	12/02/2017 19:50	WG1048646
1,1-Dichloroethane	U		0.000240	0.00121	1	12/02/2017 19:50	WG1048646
1,2-Dichloroethane	U		0.000320	0.00121	1	12/02/2017 19:50	WG1048646
1,1-Dichloroethene	0.00294		0.000365	0.00121	1	12/02/2017 19:50	WG1048646
cis-1,2-Dichloroethene	2.35		0.0283	0.121	100	12/05/2017 21:28	WG1048646
trans-1,2-Dichloroethene	0.00384		0.000318	0.00121	1	12/02/2017 19:50	WG1048646
1,2-Dichloropropane	U		0.000432	0.00121	1	12/02/2017 19:50	WG1048646
1,1-Dichloropropene	U		0.000382	0.00121	1	12/02/2017 19:50	WG1048646
1,3-Dichloropropane	U		0.000250	0.00121	1	12/02/2017 19:50	WG1048646
cis-1,3-Dichloropropene	U		0.000316	0.00121	1	12/02/2017 19:50	WG1048646
trans-1,3-Dichloropropene	U		0.000322	0.00121	1	12/02/2017 19:50	WG1048646
trans-1,4-Dichloro-2-butene	U		0.000938	0.00301	1	12/02/2017 19:50	WG1048646
2,2-Dichloropropane	U		0.000336	0.00121	1	12/02/2017 19:50	WG1048646
Di-isopropyl ether	U		0.000299	0.00121	1	12/02/2017 19:50	WG1048646
Ethylbenzene	U		0.000358	0.00121	1	12/02/2017 19:50	WG1048646
Hexachloro-1,3-butadiene	U		0.000412	0.00121	1	12/02/2017 19:50	WG1048646
2-Hexanone	U	J3	0.00165	0.0121	1	12/02/2017 19:50	WG1048646
n-Hexane	U		0.000350	0.0121	1	12/02/2017 19:50	WG1048646
Iodomethane	U		0.00305	0.0121	1	12/02/2017 19:50	WG1048646
Isopropylbenzene	U		0.000293	0.00121	1	12/02/2017 19:50	WG1048646
p-Isopropyltoluene	U		0.000246	0.00121	1	12/02/2017 19:50	WG1048646
2-Butanone (MEK)	U		0.00564	0.0121	1	12/02/2017 19:50	WG1048646
Methylene Chloride	U		0.00121	0.00603	1	12/02/2017 19:50	WG1048646
4-Methyl-2-pentanone (MIBK)	U		0.00227	0.0121	1	12/02/2017 19:50	WG1048646

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000256	0.00121	1	12/02/2017 19:50	WG1048646
Naphthalene	U		0.00121	0.00603	1	12/02/2017 19:50	WG1048646
n-Propylbenzene	U		0.000248	0.00121	1	12/02/2017 19:50	WG1048646
Styrene	U		0.000282	0.00121	1	12/02/2017 19:50	WG1048646
1,1,1,2-Tetrachloroethane	U		0.000318	0.00121	1	12/02/2017 19:50	WG1048646
1,1,2,2-Tetrachloroethane	U		0.000440	0.00121	1	12/02/2017 19:50	WG1048646
1,1,2-Trichlorotrifluoroethane	U		0.000440	0.00121	1	12/02/2017 19:50	WG1048646
Tetrachloroethene	4.99		0.166	0.603	500	12/06/2017 15:58	WG1048646
Toluene	U		0.000523	0.00603	1	12/02/2017 19:50	WG1048646
1,2,3-Trichlorobenzene	U		0.000369	0.00121	1	12/02/2017 19:50	WG1048646
1,2,4-Trichlorobenzene	U		0.000468	0.00121	1	12/02/2017 19:50	WG1048646
1,1,1-Trichloroethane	U		0.000345	0.00121	1	12/02/2017 19:50	WG1048646
1,1,2-Trichloroethane	U		0.000334	0.00121	1	12/02/2017 19:50	WG1048646
Trichloroethene	1.53		0.0336	0.121	100	12/05/2017 21:28	WG1048646
Trichlorofluoromethane	U		0.000461	0.00603	1	12/02/2017 19:50	WG1048646
1,2,3-Trichloropropane	U		0.000894	0.00301	1	12/02/2017 19:50	WG1048646
1,2,4-Trimethylbenzene	U		0.000254	0.00121	1	12/02/2017 19:50	WG1048646
1,2,3-Trimethylbenzene	U		0.000346	0.00121	1	12/02/2017 19:50	WG1048646
1,3,5-Trimethylbenzene	U		0.000321	0.00121	1	12/02/2017 19:50	WG1048646
Vinyl acetate	U		0.00288	0.0121	1	12/02/2017 19:50	WG1048646
Vinyl chloride	0.105		0.000351	0.00121	1	12/02/2017 19:50	WG1048646
Xylenes, Total	U		0.000842	0.00362	1	12/02/2017 19:50	WG1048646
(S) Toluene-d8	*103*			*80.0-120*		*12/06/2017 15:58*	WG1048646
(S) Toluene-d8	*99.3*			*80.0-120*		*12/02/2017 19:50*	WG1048646
(S) Toluene-d8	*99.5*			*80.0-120*		*12/05/2017 21:28*	WG1048646
(S) Dibromofluoromethane	*98.6*			*74.0-131*		*12/05/2017 21:28*	WG1048646
(S) Dibromofluoromethane	*100*			*74.0-131*		*12/06/2017 15:58*	WG1048646
(S) Dibromofluoromethane	*99.2*			*74.0-131*		*12/02/2017 19:50*	WG1048646
(S) 4-Bromofluorobenzene	*99.8*			*64.0-132*		*12/05/2017 21:28*	WG1048646
(S) 4-Bromofluorobenzene	*99.0*			*64.0-132*		*12/06/2017 15:58*	WG1048646
(S) 4-Bromofluorobenzene	*88.4*			*64.0-132*		*12/02/2017 19:50*	WG1048646

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

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	90.9		1	12/06/2017 10:32	WG1050018

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0110	0.0550	1	12/02/2017 17:32	WG1048801
Acrylonitrile	U		0.00197	0.0110	1	12/02/2017 17:32	WG1048801
Benzene	U		0.000297	0.00110	1	12/02/2017 17:32	WG1048801
Bromobenzene	U		0.000312	0.00110	1	12/02/2017 17:32	WG1048801
Bromodichloromethane	U		0.000279	0.00110	1	12/02/2017 17:32	WG1048801
Bromochloromethane	U		0.000429	0.00550	1	12/02/2017 17:32	WG1048801
Bromoform	U		0.000466	0.00110	1	12/02/2017 17:32	WG1048801
Bromomethane	U		0.00147	0.00550	1	12/02/2017 17:32	WG1048801
n-Butylbenzene	U		0.000284	0.00110	1	12/02/2017 17:32	WG1048801
sec-Butylbenzene	U		0.000221	0.00110	1	12/02/2017 17:32	WG1048801
tert-Butylbenzene	U		0.000227	0.00110	1	12/02/2017 17:32	WG1048801
Carbon disulfide	U		0.000243	0.00110	1	12/02/2017 17:32	WG1048801
Carbon tetrachloride	U		0.000361	0.00110	1	12/02/2017 17:32	WG1048801
Chlorobenzene	U		0.000233	0.00110	1	12/02/2017 17:32	WG1048801
Chlorodibromomethane	U		0.000410	0.00110	1	12/02/2017 17:32	WG1048801
Chloroethane	0.00204 J	J	0.00104	0.00550	1	12/02/2017 17:32	WG1048801
Chloroform	U		0.000252	0.00550	1	12/02/2017 17:32	WG1048801
Chloromethane	U		0.000412	0.00275	1	12/02/2017 17:32	WG1048801
2-Chlorotoluene	U		0.000331	0.00110	1	12/02/2017 17:32	WG1048801
4-Chlorotoluene	U		0.000264	0.00110	1	12/02/2017 17:32	WG1048801
1,2-Dibromo-3-Chloropropane	U		0.00115	0.00550	1	12/02/2017 17:32	WG1048801
1,2-Dibromoethane	U		0.000377	0.00110	1	12/02/2017 17:32	WG1048801
Dibromomethane	U		0.000420	0.00110	1	12/02/2017 17:32	WG1048801
1,2-Dichlorobenzene	U		0.000335	0.00110	1	12/02/2017 17:32	WG1048801
1,3-Dichlorobenzene	U		0.000263	0.00110	1	12/02/2017 17:32	WG1048801
1,4-Dichlorobenzene	U		0.000249	0.00110	1	12/02/2017 17:32	WG1048801
Dichlorodifluoromethane	U		0.000784	0.00550	1	12/02/2017 17:32	WG1048801
1,1-Dichloroethane	U		0.000219	0.00110	1	12/02/2017 17:32	WG1048801
1,2-Dichloroethane	U		0.000291	0.00110	1	12/02/2017 17:32	WG1048801
1,1-Dichloroethene	0.00247		0.000333	0.00110	1	12/02/2017 17:32	WG1048801
cis-1,2-Dichloroethene	1.02		0.0517	0.220	200	12/05/2017 20:35	WG1048801
trans-1,2-Dichloroethene	0.00217		0.000290	0.00110	1	12/02/2017 17:32	WG1048801
1,2-Dichloropropane	U		0.000394	0.00110	1	12/02/2017 17:32	WG1048801
1,1-Dichloropropene	U		0.000349	0.00110	1	12/02/2017 17:32	WG1048801
1,3-Dichloropropane	U		0.000228	0.00110	1	12/02/2017 17:32	WG1048801
cis-1,3-Dichloropropene	U		0.000288	0.00110	1	12/02/2017 17:32	WG1048801
trans-1,3-Dichloropropene	U		0.000294	0.00110	1	12/02/2017 17:32	WG1048801
trans-1,4-Dichloro-2-butene	U		0.000856	0.00275	1	12/02/2017 17:32	WG1048801
2,2-Dichloropropane	U		0.000307	0.00110	1	12/02/2017 17:32	WG1048801
Di-isopropyl ether	U		0.000273	0.00110	1	12/02/2017 17:32	WG1048801
Ethylbenzene	U		0.000327	0.00110	1	12/02/2017 17:32	WG1048801
Hexachloro-1,3-butadiene	U		0.000376	0.00110	1	12/02/2017 17:32	WG1048801
2-Hexanone	U		0.00151	0.0110	1	12/02/2017 17:32	WG1048801
n-Hexane	0.00192 J	J	0.000319	0.0110	1	12/02/2017 17:32	WG1048801
Iodomethane	U		0.00278	0.0110	1	12/02/2017 17:32	WG1048801
Isopropylbenzene	U		0.000267	0.00110	1	12/02/2017 17:32	WG1048801
p-Isopropyltoluene	U		0.000224	0.00110	1	12/02/2017 17:32	WG1048801
2-Butanone (MEK)	U		0.00515	0.0110	1	12/02/2017 17:32	WG1048801
Methylene Chloride	U		0.00110	0.00550	1	12/02/2017 17:32	WG1048801
4-Methyl-2-pentanone (MIBK)	U		0.00207	0.0110	1	12/02/2017 17:32	WG1048801

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000233	0.00110	1	12/02/2017 17:32	WG1048801
Naphthalene	U		0.00110	0.00550	1	12/02/2017 17:32	WG1048801
n-Propylbenzene	U		0.000227	0.00110	1	12/02/2017 17:32	WG1048801
Styrene	U		0.000257	0.00110	1	12/02/2017 17:32	WG1048801
1,1,1,2-Tetrachloroethane	U		0.000290	0.00110	1	12/02/2017 17:32	WG1048801
1,1,2,2-Tetrachloroethane	U		0.000401	0.00110	1	12/02/2017 17:32	WG1048801
1,1,2-Trichlorotrifluoroethane	U		0.000401	0.00110	1	12/02/2017 17:32	WG1048801
Tetrachloroethene	9.25		0.0607	0.220	200	12/05/2017 20:35	WG1048801
Toluene	U		0.000477	0.00550	1	12/02/2017 17:32	WG1048801
1,2,3-Trichlorobenzene	U		0.000337	0.00110	1	12/02/2017 17:32	WG1048801
1,2,4-Trichlorobenzene	U		0.000427	0.00110	1	12/02/2017 17:32	WG1048801
1,1,1-Trichloroethane	U		0.000315	0.00110	1	12/02/2017 17:32	WG1048801
1,1,2-Trichloroethane	U		0.000305	0.00110	1	12/02/2017 17:32	WG1048801
Trichloroethene	0.898		0.0614	0.220	200	12/05/2017 20:35	WG1048801
Trichlorofluoromethane	U		0.000420	0.00550	1	12/02/2017 17:32	WG1048801
1,2,3-Trichloropropane	U		0.000815	0.00275	1	12/02/2017 17:32	WG1048801
1,2,4-Trimethylbenzene	0.000385 J	J	0.000232	0.00110	1	12/02/2017 17:32	WG1048801
1,2,3-Trimethylbenzene	U		0.000316	0.00110	1	12/02/2017 17:32	WG1048801
1,3,5-Trimethylbenzene	U		0.000293	0.00110	1	12/02/2017 17:32	WG1048801
Vinyl acetate	U		0.00263	0.0110	1	12/02/2017 17:32	WG1048801
Vinyl chloride	0.0609		0.000320	0.00110	1	12/02/2017 17:32	WG1048801
Xylenes, Total	U		0.000768	0.00330	1	12/02/2017 17:32	WG1048801
(S) Toluene-d8	*102*			*80.0-120*		*12/05/2017 20:35*	WG1048801
(S) Toluene-d8	*96.8*			*80.0-120*		*12/02/2017 17:32*	WG1048801
(S) Dibromofluoromethane	*94.9*			*74.0-131*		*12/05/2017 20:35*	WG1048801
(S) Dibromofluoromethane	*101*			*74.0-131*		*12/02/2017 17:32*	WG1048801
(S) 4-Bromofluorobenzene	*104*			*64.0-132*		*12/02/2017 17:32*	WG1048801
(S) 4-Bromofluorobenzene	*93.4*			*64.0-132*		*12/05/2017 20:35*	WG1048801

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

JC 12/20/17

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	85.9		1	12/06/2017 10:32	WG1050018

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0116	0.0582	1	12/02/2017 17:52	WG1048801
Acrylonitrile	U		0.00208	0.0116	1	12/02/2017 17:52	WG1048801
Benzene	U		0.000314	0.00116	1	12/02/2017 17:52	WG1048801
Bromobenzene	U		0.000331	0.00116	1	12/02/2017 17:52	WG1048801
Bromodichloromethane	U		0.000296	0.00116	1	12/02/2017 17:52	WG1048801
Bromochloromethane	U		0.000454	0.00582	1	12/02/2017 17:52	WG1048801
Bromoform	U		0.000494	0.00116	1	12/02/2017 17:52	WG1048801
Bromomethane	U		0.00156	0.00582	1	12/02/2017 17:52	WG1048801
n-Butylbenzene	U		0.000300	0.00116	1	12/02/2017 17:52	WG1048801
sec-Butylbenzene	U		0.000234	0.00116	1	12/02/2017 17:52	WG1048801
tert-Butylbenzene	U		0.000240	0.00116	1	12/02/2017 17:52	WG1048801
Carbon disulfide	U		0.000257	0.00116	1	12/02/2017 17:52	WG1048801
Carbon tetrachloride	U		0.000382	0.00116	1	12/02/2017 17:52	WG1048801
Chlorobenzene	U		0.000247	0.00116	1	12/02/2017 17:52	WG1048801
Chlorodibromomethane	U		0.000434	0.00116	1	12/02/2017 17:52	WG1048801
Chloroethane	0.00197 J	J	0.00110	0.00582	1	12/02/2017 17:52	WG1048801
Chloroform	U		0.000267	0.00582	1	12/02/2017 17:52	WG1048801
Chloromethane	U		0.000437	0.00291	1	12/02/2017 17:52	WG1048801
2-Chlorotoluene	U		0.000350	0.00116	1	12/02/2017 17:52	WG1048801
4-Chlorotoluene	U		0.000279	0.00116	1	12/02/2017 17:52	WG1048801
1,2-Dibromo-3-Chloropropane	U		0.00122	0.00582	1	12/02/2017 17:52	WG1048801
1,2-Dibromoethane	U		0.000399	0.00116	1	12/02/2017 17:52	WG1048801
Dibromomethane	U		0.000445	0.00116	1	12/02/2017 17:52	WG1048801
1,2-Dichlorobenzene	U		0.000355	0.00116	1	12/02/2017 17:52	WG1048801
1,3-Dichlorobenzene	U		0.000278	0.00116	1	12/02/2017 17:52	WG1048801
1,4-Dichlorobenzene	U		0.000263	0.00116	1	12/02/2017 17:52	WG1048801
Dichlorodifluoromethane	U		0.000830	0.00582	1	12/02/2017 17:52	WG1048801
1,1-Dichloroethane	U		0.000232	0.00116	1	12/02/2017 17:52	WG1048801
1,2-Dichloroethane	U		0.000309	0.00116	1	12/02/2017 17:52	WG1048801
1,1-Dichloroethene	0.00417		0.000353	0.00116	1	12/02/2017 17:52	WG1048801
cis-1,2-Dichloroethene	0.403 J	J	0.137	0.582	500	12/05/2017 20:55	WG1048801
trans-1,2-Dichloroethene	0.00377		0.000307	0.00116	1	12/02/2017 17:52	WG1048801
1,2-Dichloropropane	U		0.000417	0.00116	1	12/02/2017 17:52	WG1048801
1,1-Dichloropropene	U		0.000369	0.00116	1	12/02/2017 17:52	WG1048801
1,3-Dichloropropane	U		0.000241	0.00116	1	12/02/2017 17:52	WG1048801
cis-1,3-Dichloropropene	U		0.000305	0.00116	1	12/02/2017 17:52	WG1048801
trans-1,3-Dichloropropene	U		0.000311	0.00116	1	12/02/2017 17:52	WG1048801
trans-1,4-Dichloro-2-butene	U		0.000906	0.00291	1	12/02/2017 17:52	WG1048801
2,2-Dichloropropane	U		0.000325	0.00116	1	12/02/2017 17:52	WG1048801
Di-isopropyl ether	U		0.000289	0.00116	1	12/02/2017 17:52	WG1048801
Ethylbenzene	U		0.000346	0.00116	1	12/02/2017 17:52	WG1048801
Hexachloro-1,3-butadiene	U		0.000398	0.00116	1	12/02/2017 17:52	WG1048801
2-Hexanone	U		0.00160	0.0116	1	12/02/2017 17:52	WG1048801
n-Hexane	U		0.000338	0.0116	1	12/02/2017 17:52	WG1048801
Iodomethane	U		0.00295	0.0116	1	12/02/2017 17:52	WG1048801
Isopropylbenzene	U		0.000283	0.00116	1	12/02/2017 17:52	WG1048801
p-Isopropyltoluene	U		0.000238	0.00116	1	12/02/2017 17:52	WG1048801
2-Butanone (MEK)	U		0.00545	0.0116	1	12/02/2017 17:52	WG1048801
Methylene Chloride	U		0.00116	0.00582	1	12/02/2017 17:52	WG1048801
4-Methyl-2-pentanone (MIBK)	U		0.00219	0.0116	1	12/02/2017 17:52	WG1048801

JC 12/20/17

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000247	0.00116	1	12/02/2017 17:52	WG1048801
Naphthalene	U		0.00116	0.00582	1	12/02/2017 17:52	WG1048801
n-Propylbenzene	0.000280 J	J	0.000240	0.00116	1	12/02/2017 17:52	WG1048801
Styrene	U		0.000272	0.00116	1	12/02/2017 17:52	WG1048801
1,1,1,2-Tetrachloroethane	U		0.000307	0.00116	1	12/02/2017 17:52	WG1048801
1,1,2,2-Tetrachloroethane	U		0.000425	0.00116	1	12/02/2017 17:52	WG1048801
1,1,2-Trichlorotrifluoroethane	U		0.000425	0.00116	1	12/02/2017 17:52	WG1048801
Tetrachloroethene	64.0		0.803	2.91	2500	12/06/2017 15:18	WG1048801
Toluene	U		0.000505	0.00582	1	12/02/2017 17:52	WG1048801
1,2,3-Trichlorobenzene	U		0.000356	0.00116	1	12/02/2017 17:52	WG1048801
1,2,4-Trichlorobenzene	U		0.000452	0.00116	1	12/02/2017 17:52	WG1048801
1,1,1-Trichloroethane	U		0.000333	0.00116	1	12/02/2017 17:52	WG1048801
1,1,2-Trichloroethane	U		0.000323	0.00116	1	12/02/2017 17:52	WG1048801
Trichloroethene	0.384 J	J	0.163	0.582	500	12/05/2017 20:55	WG1048801
Trichlorofluoromethane	U		0.000445	0.00582	1	12/02/2017 17:52	WG1048801
1,2,3-Trichloropropane	U		0.000863	0.00291	1	12/02/2017 17:52	WG1048801
1,2,4-Trimethylbenzene	0.00110 J	J	0.000246	0.00116	1	12/02/2017 17:52	WG1048801
1,2,3-Trimethylbenzene	U		0.000334	0.00116	1	12/02/2017 17:52	WG1048801
1,3,5-Trimethylbenzene	0.000425 J	J	0.000310	0.00116	1	12/02/2017 17:52	WG1048801
Vinyl acetate	U		0.00278	0.0116	1	12/02/2017 17:52	WG1048801
Vinyl chloride	0.126		0.000339	0.00116	1	12/02/2017 17:52	WG1048801
Xylenes, Total	U		0.000813	0.00349	1	12/02/2017 17:52	WG1048801
(S) Toluene-d8	*94.0*			*80.0-120*		*12/02/2017 17:52*	WG1048801
(S) Toluene-d8	*106*			*80.0-120*		*12/06/2017 15:18*	WG1048801
(S) Toluene-d8	*109*			*80.0-120*		*12/05/2017 20:55*	WG1048801
(S) Dibromofluoromethane	*104*			*74.0-131*		*12/06/2017 15:18*	WG1048801
(S) Dibromofluoromethane	*97.7*			*74.0-131*		*12/02/2017 17:52*	WG1048801
(S) Dibromofluoromethane	*95.0*			*74.0-131*		*12/05/2017 20:55*	WG1048801
(S) 4-Bromofluorobenzene	*95.1*			*64.0-132*		*12/05/2017 20:55*	WG1048801
(S) 4-Bromofluorobenzene	*114*			*64.0-132*		*12/02/2017 17:52*	WG1048801
(S) 4-Bromofluorobenzene	*99.0*			*64.0-132*		*12/06/2017 15:18*	WG1048801

JC 12/20/17

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	83.6		1	12/06/2017 13:20	WG1050150

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0120	0.0598	1	12/02/2017 18:11	WG1048801
Acrylonitrile	U		0.00214	0.0120	1	12/02/2017 18:11	WG1048801
Benzene	U		0.000323	0.00120	1	12/02/2017 18:11	WG1048801
Bromobenzene	U		0.000340	0.00120	1	12/02/2017 18:11	WG1048801
Bromodichloromethane	U		0.000304	0.00120	1	12/02/2017 18:11	WG1048801
Bromochloromethane	U		0.000466	0.00598	1	12/02/2017 18:11	WG1048801
Bromoform	U		0.000507	0.00120	1	12/02/2017 18:11	WG1048801
Bromomethane	U		0.00160	0.00598	1	12/02/2017 18:11	WG1048801
n-Butylbenzene	U		0.000309	0.00120	1	12/02/2017 18:11	WG1048801
sec-Butylbenzene	U		0.000240	0.00120	1	12/02/2017 18:11	WG1048801
tert-Butylbenzene	U		0.000246	0.00120	1	12/02/2017 18:11	WG1048801
Carbon disulfide	0.000547 J+	J	0.000264	0.00120	1	12/02/2017 18:11	WG1048801
Carbon tetrachloride	U		0.000392	0.00120	1	12/02/2017 18:11	WG1048801
Chlorobenzene	U		0.000254	0.00120	1	12/02/2017 18:11	WG1048801
Chlorodibromomethane	U		0.000446	0.00120	1	12/02/2017 18:11	WG1048801
Chloroethane	U		0.00113	0.00598	1	12/02/2017 18:11	WG1048801
Chloroform	U		0.000274	0.00598	1	12/02/2017 18:11	WG1048801
Chloromethane	U		0.000449	0.00299	1	12/02/2017 18:11	WG1048801
2-Chlorotoluene	U		0.000360	0.00120	1	12/02/2017 18:11	WG1048801
4-Chlorotoluene	U		0.000287	0.00120	1	12/02/2017 18:11	WG1048801
1,2-Dibromo-3-Chloropropane	U		0.00126	0.00598	1	12/02/2017 18:11	WG1048801
1,2-Dibromoethane	U		0.000410	0.00120	1	12/02/2017 18:11	WG1048801
Dibromomethane	U		0.000457	0.00120	1	12/02/2017 18:11	WG1048801
1,2-Dichlorobenzene	U		0.000365	0.00120	1	12/02/2017 18:11	WG1048801
1,3-Dichlorobenzene	U		0.000286	0.00120	1	12/02/2017 18:11	WG1048801
1,4-Dichlorobenzene	U		0.000270	0.00120	1	12/02/2017 18:11	WG1048801
Dichlorodifluoromethane	U		0.000853	0.00598	1	12/02/2017 18:11	WG1048801
1,1-Dichloroethane	U		0.000238	0.00120	1	12/02/2017 18:11	WG1048801
1,2-Dichloroethane	U		0.000317	0.00120	1	12/02/2017 18:11	WG1048801
1,1-Dichloroethene	0.000619 J+	J	0.000362	0.00120	1	12/02/2017 18:11	WG1048801
cis-1,2-Dichloroethene	0.105 J+		0.000281	0.00120	1	12/02/2017 18:11	WG1048801
trans-1,2-Dichloroethene	0.000316 J+	J	0.000316	0.00120	1	12/02/2017 18:11	WG1048801
1,2-Dichloropropane	U		0.000428	0.00120	1	12/02/2017 18:11	WG1048801
1,1-Dichloropropene	U		0.000379	0.00120	1	12/02/2017 18:11	WG1048801
1,3-Dichloropropane	U		0.000248	0.00120	1	12/02/2017 18:11	WG1048801
cis-1,3-Dichloropropene	U		0.000313	0.00120	1	12/02/2017 18:11	WG1048801
trans-1,3-Dichloropropene	U		0.000319	0.00120	1	12/02/2017 18:11	WG1048801
trans-1,4-Dichloro-2-butene	U		0.000931	0.00299	1	12/02/2017 18:11	WG1048801
2,2-Dichloropropane	U		0.000334	0.00120	1	12/02/2017 18:11	WG1048801
Di-isopropyl ether	U		0.000297	0.00120	1	12/02/2017 18:11	WG1048801
Ethylbenzene	U		0.000355	0.00120	1	12/02/2017 18:11	WG1048801
Hexachloro-1,3-butadiene	U		0.000409	0.00120	1	12/02/2017 18:11	WG1048801
2-Hexanone	U		0.00164	0.0120	1	12/02/2017 18:11	WG1048801
n-Hexane	0.000389 J+	J	0.000347	0.0120	1	12/02/2017 18:11	WG1048801
Iodomethane	U		0.00303	0.0120	1	12/02/2017 18:11	WG1048801
Isopropylbenzene	U		0.000291	0.00120	1	12/02/2017 18:11	WG1048801
p-Isopropyltoluene	U		0.000244	0.00120	1	12/02/2017 18:11	WG1048801
2-Butanone (MEK)	U		0.00560	0.0120	1	12/02/2017 18:11	WG1048801
Methylene Chloride	U		0.00120	0.00598	1	12/02/2017 18:11	WG1048801
4-Methyl-2-pentanone (MIBK)	U		0.00225	0.0120	1	12/02/2017 18:11	WG1048801

JC 12/20/17

B-229-45

Collected date/time: 11/29/17 14:45

SAMPLE RESULTS - 23

L954448

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

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000254	0.00120	1	12/02/2017 18:11	WG1048801
Naphthalene	U		0.00120	0.00598	1	12/02/2017 18:11	WG1048801
n-Propylbenzene	U		0.000246	0.00120	1	12/02/2017 18:11	WG1048801
Styrene	U		0.000280	0.00120	1	12/02/2017 18:11	WG1048801
1,1,1,2-Tetrachloroethane	U		0.000316	0.00120	1	12/02/2017 18:11	WG1048801
1,1,2,2-Tetrachloroethane	U		0.000437	0.00120	1	12/02/2017 18:11	WG1048801
1,1,2-Trichlorotrifluoroethane	U		0.000437	0.00120	1	12/02/2017 18:11	WG1048801
Tetrachloroethene	158		0.330	1.20	1000	12/05/2017 21:14	WG1048801
Toluene	U		0.000519	0.00598	1	12/02/2017 18:11	WG1048801
1,2,3-Trichlorobenzene	U		0.000366	0.00120	1	12/02/2017 18:11	WG1048801
1,2,4-Trichlorobenzene	U		0.000464	0.00120	1	12/02/2017 18:11	WG1048801
1,1,1-Trichloroethane	U		0.000342	0.00120	1	12/02/2017 18:11	WG1048801
1,1,2-Trichloroethane	U		0.000331	0.00120	1	12/02/2017 18:11	WG1048801
Trichloroethene	0.0946 J+		0.000334	0.00120	1	12/02/2017 18:11	WG1048801
Trichlorofluoromethane	U		0.000457	0.00598	1	12/02/2017 18:11	WG1048801
1,2,3-Trichloropropane	U		0.000886	0.00299	1	12/02/2017 18:11	WG1048801
1,2,4-Trimethylbenzene	0.000622 J+	J	0.000252	0.00120	1	12/02/2017 18:11	WG1048801
1,2,3-Trimethylbenzene	U		0.000343	0.00120	1	12/02/2017 18:11	WG1048801
1,3,5-Trimethylbenzene	U		0.000318	0.00120	1	12/02/2017 18:11	WG1048801
Vinyl acetate	U		0.00286	0.0120	1	12/02/2017 18:11	WG1048801
Vinyl chloride	0.00430 J+		0.000348	0.00120	1	12/02/2017 18:11	WG1048801
Xylenes, Total	U		0.000835	0.00359	1	12/02/2017 18:11	WG1048801
(S) Toluene-d8	*105*			*80.0-120*		*12/05/2017 21:14*	WG1048801
(S) Toluene-d8	*102*			*80.0-120*		*12/02/2017 18:11*	WG1048801
(S) Dibromofluoromethane	*101*			*74.0-131*		*12/02/2017 18:11*	WG1048801
(S) Dibromofluoromethane	*95.0*			*74.0-131*		*12/05/2017 21:14*	WG1048801
(S) 4-Bromofluorobenzene	*139*	J1		*64.0-132*		*12/02/2017 18:11*	WG1048801
(S) 4-Bromofluorobenzene	*92.3*			*64.0-132*		*12/05/2017 21:14*	WG1048801

JC 12/20/17

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

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		1.05	25.0	1	12/02/2017 14:49	WG1048623
Acrylonitrile	U		0.873	5.00	1	12/02/2017 14:49	WG1048623
Benzene	U		0.0896	0.500	1	12/02/2017 14:49	WG1048623
Bromobenzene	U		0.133	0.500	1	12/02/2017 14:49	WG1048623
Bromodichloromethane	U		0.0800	0.500	1	12/02/2017 14:49	WG1048623
Bromochloromethane	U		0.145	0.500	1	12/02/2017 14:49	WG1048623
Bromoform	U		0.186	0.500	1	12/02/2017 14:49	WG1048623
Bromomethane	U		0.157	2.50	1	12/02/2017 14:49	WG1048623
n-Butylbenzene	U		0.143	0.500	1	12/02/2017 14:49	WG1048623
sec-Butylbenzene	U		0.134	0.500	1	12/02/2017 14:49	WG1048623
tert-Butylbenzene	U		0.183	0.500	1	12/02/2017 14:49	WG1048623
Carbon disulfide	U		0.101	0.500	1	12/02/2017 14:49	WG1048623
Carbon tetrachloride	U		0.159	0.500	1	12/02/2017 14:49	WG1048623
Chlorobenzene	U		0.140	0.500	1	12/02/2017 14:49	WG1048623
Chlorodibromomethane	U		0.128	0.500	1	12/02/2017 14:49	WG1048623
Chloroethane	U		0.141	2.50	1	12/02/2017 14:49	WG1048623
Chloroform	U		0.0860	0.500	1	12/02/2017 14:49	WG1048623
Chloromethane	U		0.153	1.25	1	12/02/2017 14:49	WG1048623
2-Chlorotoluene	U		0.111	0.500	1	12/02/2017 14:49	WG1048623
4-Chlorotoluene	U		0.0972	0.500	1	12/02/2017 14:49	WG1048623
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	12/02/2017 14:49	WG1048623
1,2-Dibromoethane	U		0.193	0.500	1	12/02/2017 14:49	WG1048623
Dibromomethane	U		0.117	0.500	1	12/02/2017 14:49	WG1048623
1,2-Dichlorobenzene	U		0.101	0.500	1	12/02/2017 14:49	WG1048623
1,3-Dichlorobenzene	U		0.130	0.500	1	12/02/2017 14:49	WG1048623
1,4-Dichlorobenzene	U		0.121	0.500	1	12/02/2017 14:49	WG1048623
Dichlorodifluoromethane	U		0.127	2.50	1	12/02/2017 14:49	WG1048623
1,1-Dichloroethane	U		0.114	0.500	1	12/02/2017 14:49	WG1048623
1,2-Dichloroethane	U		0.108	0.500	1	12/02/2017 14:49	WG1048623
1,1-Dichloroethene	U		0.188	0.500	1	12/02/2017 14:49	WG1048623
cis-1,2-Dichloroethene	U		0.0933	0.500	1	12/02/2017 14:49	WG1048623
trans-1,2-Dichloroethene	U		0.152	0.500	1	12/02/2017 14:49	WG1048623
1,2-Dichloropropane	U		0.190	0.500	1	12/02/2017 14:49	WG1048623
1,1-Dichloropropene	U		0.128	0.500	1	12/02/2017 14:49	WG1048623
1,3-Dichloropropane	U		0.147	1.00	1	12/02/2017 14:49	WG1048623
cis-1,3-Dichloropropene	U		0.0976	0.500	1	12/02/2017 14:49	WG1048623
trans-1,3-Dichloropropene	U		0.222	0.500	1	12/02/2017 14:49	WG1048623
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	12/02/2017 14:49	WG1048623
2,2-Dichloropropane	U		0.0929	0.500	1	12/02/2017 14:49	WG1048623
Di-isopropyl ether	U		0.0924	0.500	1	12/02/2017 14:49	WG1048623
Ethylbenzene	U		0.158	0.500	1	12/02/2017 14:49	WG1048623
Hexachloro-1,3-butadiene	U		0.157	1.00	1	12/02/2017 14:49	WG1048623
2-Hexanone	U		0.757	5.00	1	12/02/2017 14:49	WG1048623
n-Hexane	U		0.305	5.00	1	12/02/2017 14:49	WG1048623
Iodomethane	U		0.377	10.0	1	12/02/2017 14:49	WG1048623
Isopropylbenzene	U		0.126	0.500	1	12/02/2017 14:49	WG1048623
p-Isopropyltoluene	U		0.138	0.500	1	12/02/2017 14:49	WG1048623
2-Butanone (MEK)	U		1.28	5.00	1	12/02/2017 14:49	WG1048623
Methylene Chloride	U		1.07	2.50	1	12/02/2017 14:49	WG1048623
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	12/02/2017 14:49	WG1048623
Methyl tert-butyl ether	U		0.102	0.500	1	12/02/2017 14:49	WG1048623
Naphthalene	U		0.174	2.50	1	12/02/2017 14:49	WG1048623
n-Propylbenzene	U		0.162	0.500	1	12/02/2017 14:49	WG1048623
Styrene	U		0.117	0.500	1	12/02/2017 14:49	WG1048623
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	12/02/2017 14:49	WG1048623
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	12/02/2017 14:49	WG1048623

JC 12/20/17

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	12/02/2017 14:49	WG1048623
Tetrachloroethene	U		0.199	0.500	1	12/02/2017 14:49	WG1048623
Toluene	U		0.412	0.500	1	12/02/2017 14:49	WG1048623
1,2,3-Trichlorobenzene	U		0.164	0.500	1	12/02/2017 14:49	WG1048623
1,2,4-Trichlorobenzene	U		0.355	0.500	1	12/02/2017 14:49	WG1048623
1,1,1-Trichloroethane	U		0.0940	0.500	1	12/02/2017 14:49	WG1048623
1,1,2-Trichloroethane	U		0.186	0.500	1	12/02/2017 14:49	WG1048623
Trichloroethene	U		0.153	0.500	1	12/02/2017 14:49	WG1048623
Trichlorofluoromethane	U		0.130	2.50	1	12/02/2017 14:49	WG1048623
1,2,3-Trichloropropane	U		0.247	2.50	1	12/02/2017 14:49	WG1048623
1,2,4-Trimethylbenzene	U		0.123	0.500	1	12/02/2017 14:49	WG1048623
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	12/02/2017 14:49	WG1048623
1,3,5-Trimethylbenzene	U		0.124	0.500	1	12/02/2017 14:49	WG1048623
Vinyl acetate	U	J4	0.645	5.00	1	12/02/2017 14:49	WG1048623
Vinyl chloride	U		0.118	0.500	1	12/02/2017 14:49	WG1048623
Xylenes, Total	U		0.316	1.50	1	12/02/2017 14:49	WG1048623
(S) Toluene-d8	*102*			*80.0-120*		*12/02/2017 14:49*	WG1048623
(S) Dibromofluoromethane	*98.4*			*76.0-123*		*12/02/2017 14:49*	WG1048623
(S) 4-Bromofluorobenzene	*96.2*			*80.0-120*		*12/02/2017 14:49*	WG1048623

JC 12/20/17

ANALYTICAL REPORT

December 08, 2017

PES Environmental, Inc.- WA

Sample Delivery Group:	L954694
Samples Received:	12/02/2017
Project Number:	1413.001.02.602
Description:	American Linen Project
Site:	1413.001.02.602
Report To:	Bill Haldeman 1215 Fourth Ave., Suite 1350 Seattle, WA 98161

Entire Report Reviewed By: Brian Ford

Brian Ford
Technical Service Representative

TABLE OF CONTENTS

B-230-6 L954694-01 Solid

Collected by	Collected date/time	Received date/time
Karsten Springstead	11/30/17 08:40	12/02/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1050629	1	12/07/17 12:33	12/07/17 12:45	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1049339	1	12/04/17 12:34	12/04/17 14:35	ACG

B-230-11 L954694-02 Solid

Collected by	Collected date/time	Received date/time
Karsten Springstead	11/30/17 08:50	12/02/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1050624	1	12/07/17 13:04	12/07/17 13:13	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1049339	1	12/04/17 12:34	12/04/17 14:54	ACG

B-230-16 L954694-03 Solid

Collected by	Collected date/time	Received date/time
Karsten Springstead	11/30/17 09:00	12/02/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1050629	1	12/07/17 12:33	12/07/17 12:45	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1049339	250	12/04/17 12:34	12/04/17 17:30	ACG
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1049339	25000	12/04/17 12:34	12/06/17 20:09	BMB

B-230-21 L954694-04 Solid

Collected by	Collected date/time	Received date/time
Karsten Springstead	11/30/17 09:10	12/02/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1050629	1	12/07/17 12:33	12/07/17 12:45	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1049339	100000	12/04/17 12:34	12/06/17 20:28	BMB
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1049339	2000	12/04/17 12:34	12/04/17 18:48	ACG

B-230-26 L954694-05 Solid

Collected by	Collected date/time	Received date/time
Karsten Springstead	11/30/17 09:20	12/02/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1050624	1	12/07/17 13:04	12/07/17 13:13	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1049339	20000	12/04/17 12:34	12/06/17 19:49	BMB
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1049339	2500	12/04/17 12:34	12/04/17 19:08	ACG

B-230-31 L954694-06 Solid

Collected by	Collected date/time	Received date/time
Karsten Springstead	11/30/17 09:30	12/02/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1050628	1	12/07/17 12:50	12/07/17 13:01	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1049339	1000	12/04/17 12:34	12/04/17 18:09	ACG

B-922-15 L954694-07 Solid

Collected by	Collected date/time	Received date/time
Karsten Springstead	11/30/17 08:05	12/02/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1050624	1	12/07/17 13:04	12/07/17 13:13	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1049339	1000	12/04/17 12:34	12/04/17 18:29	ACG

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

B-230-35 L954694-08 Solid

Collected by	Collected date/time	Received date/time
Karsten Springstead	11/30/17 09:50	12/02/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1050630	1	12/07/17 12:13	12/07/17 12:28	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1049339	153	12/04/17 12:34	12/04/17 17:11	ACG

B-230-55 L954694-09 Solid

Collected by	Collected date/time	Received date/time
Karsten Springstead	11/30/17 11:05	12/02/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1050628	1	12/07/17 12:50	12/07/17 13:01	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1049339	250	12/04/17 12:34	12/04/17 17:50	ACG

B-231-6 L954694-10 Solid

Collected by	Collected date/time	Received date/time
Karsten Springstead	11/30/17 13:50	12/02/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1050624	1	12/07/17 13:04	12/07/17 13:13	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1049339	1	12/04/17 12:34	12/04/17 15:14	ACG

B-231-11 L954694-11 Solid

Collected by	Collected date/time	Received date/time
Karsten Springstead	11/30/17 13:55	12/02/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1050624	1	12/07/17 13:04	12/07/17 13:13	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1049339	1	12/04/17 12:34	12/04/17 15:33	ACG

B-231-16 L954694-12 Solid

Collected by	Collected date/time	Received date/time
Karsten Springstead	11/30/17 14:05	12/02/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1050630	1	12/07/17 12:13	12/07/17 12:28	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1049339	25	12/04/17 12:34	12/04/17 16:51	ACG

B-231-21 L954694-13 Solid

Collected by	Collected date/time	Received date/time
Karsten Springstead	11/30/17 14:15	12/02/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1050628	1	12/07/17 12:50	12/07/17 13:01	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1049339	57	12/04/17 12:34	12/06/17 19:11	BMB

B-231-26 L954694-14 Solid

Collected by	Collected date/time	Received date/time
Karsten Springstead	11/30/17 14:25	12/02/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1050628	1	12/07/17 12:50	12/07/17 13:01	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1049339	1	12/04/17 12:34	12/06/17 17:40	BMB

Collected by	Collected date/time	Received date/time
Karsten Springstead	11/30/17 14:35	12/02/17 08:45

B-231-30 L954694-15 Solid

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1050624	1	12/07/17 13:04	12/07/17 13:13	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1049339	1	12/04/17 12:34	12/04/17 16:32	ACG

Collected by	Collected date/time	Received date/time
Karsten Springstead	11/30/17 14:45	12/02/17 08:45

B-231-36 L954694-16 Solid

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1050630	1	12/07/17 12:13	12/07/17 12:28	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1049340	1	12/04/17 12:34	12/04/17 14:43	ACG

Collected by	Collected date/time	Received date/time
Karsten Springstead	12/01/17 09:00	12/02/17 08:45

B-232-6 L954694-17 Solid

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1050634	1	12/07/17 10:49	12/07/17 10:59	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1049340	1	12/04/17 12:34	12/04/17 15:03	ACG

Collected by	Collected date/time	Received date/time
Karsten Springstead	12/01/17 09:10	12/02/17 08:45

B-232-11 L954694-18 Solid

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1050624	1	12/07/17 13:04	12/07/17 13:13	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1049340	1	12/04/17 12:34	12/05/17 15:28	ACG

Collected by	Collected date/time	Received date/time
Karsten Springstead	12/01/17 09:20	12/02/17 08:45

B-232-16 L954694-19 Solid

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1050628	1	12/07/17 12:50	12/07/17 13:01	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1049340	1	12/04/17 12:34	12/04/17 16:10	ACG

Collected by	Collected date/time	Received date/time
Karsten Springstead	12/01/17 09:25	12/02/17 08:45

B-232-21 L954694-20 Solid

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1050619	1	12/07/17 13:17	12/07/17 13:29	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1049340	1	12/04/17 12:34	12/04/17 16:29	ACG

Collected by	Collected date/time	Received date/time
Karsten Springstead	12/01/17 09:35	12/02/17 08:45

B-232-26 L954694-21 Solid

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1050630	1	12/07/17 12:13	12/07/17 12:28	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1049340	31.5	12/04/17 12:34	12/05/17 17:58	ACG
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1049340	630	12/04/17 12:34	12/06/17 15:38	BMB

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

B-232-31 L954694-22 Solid

Collected by	Collected date/time	Received date/time
Karsten Springstead	12/01/17 09:45	12/02/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1050628	1	12/07/17 12:50	12/07/17 13:01	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1049340	1	12/04/17 12:34	12/05/17 00:08	ACG
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1049340	25	12/04/17 12:34	12/05/17 18:19	ACG

B-232-36 L954694-23 Solid

Collected by	Collected date/time	Received date/time
Karsten Springstead	12/01/17 09:55	12/02/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1050629	1	12/07/17 12:33	12/07/17 12:45	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1049340	1	12/04/17 12:34	12/05/17 00:27	ACG
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1049340	25	12/04/17 12:34	12/05/17 18:40	ACG

B-233-6 L954694-24 Solid

Collected by	Collected date/time	Received date/time
Karsten Springstead	12/01/17 12:30	12/02/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1050628	1	12/07/17 12:50	12/07/17 13:01	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1049340	1	12/04/17 12:34	12/05/17 08:38	ACG

B-233-11 L954694-25 Solid

Collected by	Collected date/time	Received date/time
Karsten Springstead	12/01/17 12:35	12/02/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1050629	1	12/07/17 12:33	12/07/17 12:45	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1049340	2.18	12/04/17 12:34	12/05/17 15:49	ACG

B-233-16 L954694-26 Solid

Collected by	Collected date/time	Received date/time
Karsten Springstead	12/01/17 12:45	12/02/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1050630	1	12/07/17 12:13	12/07/17 12:28	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1049340	1.18	12/04/17 12:34	12/05/17 16:10	ACG

B-233-21 L954694-27 Solid

Collected by	Collected date/time	Received date/time
Karsten Springstead	12/01/17 12:55	12/02/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1050619	1	12/07/17 13:17	12/07/17 13:29	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1050240	25	12/04/17 12:53	12/06/17 15:46	BMB
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1050240	500	12/04/17 12:53	12/06/17 21:55	ACG

B-233-26 L954694-28 Solid

Collected by	Collected date/time	Received date/time
Karsten Springstead	12/01/17 13:05	12/02/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1050629	1	12/07/17 12:33	12/07/17 12:45	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1050240	50	12/04/17 12:53	12/06/17 16:07	BMB
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1050240	500	12/04/17 12:53	12/06/17 22:14	ACG

B-233-31 L954694-29 Solid

Collected by	Collected date/time	Received date/time
Karsten Springstead	12/01/17 13:20	12/02/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1050619	1	12/07/17 13:17	12/07/17 13:29	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1050240	25	12/04/17 12:53	12/06/17 16:28	BMB
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1050240	500	12/04/17 12:53	12/06/17 22:34	ACG

B-233-36 L954694-30 Solid

Collected by	Collected date/time	Received date/time
Karsten Springstead	12/01/17 13:30	12/02/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1050619	1	12/07/17 13:17	12/07/17 13:29	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1049340	200	12/04/17 12:53	12/05/17 22:11	ACG
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1049340	25	12/04/17 12:53	12/05/17 09:39	ACG

TRIP BLANK L954694-31 GW

Collected by	Collected date/time	Received date/time
Karsten Springstead	11/30/17 00:00	12/02/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1049615	1	12/05/17 13:01	12/05/17 13:01	BMB

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. All MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All radiochemical sample results for solids are reported on a dry weight basis with the exception of tritium, carbon-14 and radon, unless wet weight was requested by the client. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Brian Ford

Brian Ford
Technical Service Representative

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	94.8		1	12/07/2017 12:45	WG1050629

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0105	0.0527	1	12/04/2017 14:35	WG1049339
Acrylonitrile	U		0.00189	0.0105	1	12/04/2017 14:35	WG1049339
Benzene	U		0.000285	0.00105	1	12/04/2017 14:35	WG1049339
Bromobenzene	U		0.000300	0.00105	1	12/04/2017 14:35	WG1049339
Bromodichloromethane	U		0.000268	0.00105	1	12/04/2017 14:35	WG1049339
Bromochloromethane	U		0.000411	0.00527	1	12/04/2017 14:35	WG1049339
Bromoform	U		0.000447	0.00105	1	12/04/2017 14:35	WG1049339
Bromomethane	U		0.00141	0.00527	1	12/04/2017 14:35	WG1049339
n-Butylbenzene	U		0.000272	0.00105	1	12/04/2017 14:35	WG1049339
sec-Butylbenzene	U		0.000212	0.00105	1	12/04/2017 14:35	WG1049339
tert-Butylbenzene	U		0.000217	0.00105	1	12/04/2017 14:35	WG1049339
Carbon disulfide	U		0.000233	0.00105	1	12/04/2017 14:35	WG1049339
Carbon tetrachloride	U		0.000346	0.00105	1	12/04/2017 14:35	WG1049339
Chlorobenzene	U		0.000224	0.00105	1	12/04/2017 14:35	WG1049339
Chlorodibromomethane	U		0.000393	0.00105	1	12/04/2017 14:35	WG1049339
Chloroethane	U		0.000998	0.00527	1	12/04/2017 14:35	WG1049339
Chloroform	U		0.000242	0.00527	1	12/04/2017 14:35	WG1049339
Chloromethane	U		0.000396	0.00264	1	12/04/2017 14:35	WG1049339
2-Chlorotoluene	U		0.000318	0.00105	1	12/04/2017 14:35	WG1049339
4-Chlorotoluene	U		0.000253	0.00105	1	12/04/2017 14:35	WG1049339
1,2-Dibromo-3-Chloropropane	U		0.00111	0.00527	1	12/04/2017 14:35	WG1049339
1,2-Dibromoethane	U		0.000362	0.00105	1	12/04/2017 14:35	WG1049339
Dibromomethane	U		0.000403	0.00105	1	12/04/2017 14:35	WG1049339
1,2-Dichlorobenzene	U		0.000322	0.00105	1	12/04/2017 14:35	WG1049339
1,3-Dichlorobenzene	U		0.000252	0.00105	1	12/04/2017 14:35	WG1049339
1,4-Dichlorobenzene	U		0.000238	0.00105	1	12/04/2017 14:35	WG1049339
Dichlorodifluoromethane	U		0.000752	0.00527	1	12/04/2017 14:35	WG1049339
1,1-Dichloroethane	U		0.000210	0.00105	1	12/04/2017 14:35	WG1049339
1,2-Dichloroethane	U		0.000280	0.00105	1	12/04/2017 14:35	WG1049339
1,1-Dichloroethene	U		0.000320	0.00105	1	12/04/2017 14:35	WG1049339
cis-1,2-Dichloroethene	0.00376		0.000248	0.00105	1	12/04/2017 14:35	WG1049339
trans-1,2-Dichloroethene	U		0.000278	0.00105	1	12/04/2017 14:35	WG1049339
1,2-Dichloropropane	U		0.000378	0.00105	1	12/04/2017 14:35	WG1049339
1,1-Dichloropropene	U		0.000334	0.00105	1	12/04/2017 14:35	WG1049339
1,3-Dichloropropane	U		0.000218	0.00105	1	12/04/2017 14:35	WG1049339
cis-1,3-Dichloropropene	U		0.000276	0.00105	1	12/04/2017 14:35	WG1049339
trans-1,3-Dichloropropene	U		0.000282	0.00105	1	12/04/2017 14:35	WG1049339
trans-1,4-Dichloro-2-butene	U		0.000821	0.00264	1	12/04/2017 14:35	WG1049339
2,2-Dichloropropane	U		0.000294	0.00105	1	12/04/2017 14:35	WG1049339
Di-isopropyl ether	U		0.000262	0.00105	1	12/04/2017 14:35	WG1049339
Ethylbenzene	U		0.000313	0.00105	1	12/04/2017 14:35	WG1049339
Hexachloro-1,3-butadiene	U		0.000361	0.00105	1	12/04/2017 14:35	WG1049339
2-Hexanone	U		0.00145	0.0105	1	12/04/2017 14:35	WG1049339
n-Hexane	U		0.000306	0.0105	1	12/04/2017 14:35	WG1049339
Iodomethane	U		0.00267	0.0105	1	12/04/2017 14:35	WG1049339
Isopropylbenzene	U		0.000256	0.00105	1	12/04/2017 14:35	WG1049339
p-Isopropyltoluene	U		0.000215	0.00105	1	12/04/2017 14:35	WG1049339
2-Butanone (MEK)	U		0.00494	0.0105	1	12/04/2017 14:35	WG1049339
Methylene Chloride	U		0.00105	0.00527	1	12/04/2017 14:35	WG1049339
4-Methyl-2-pentanone (MIBK)	U		0.00198	0.0105	1	12/04/2017 14:35	WG1049339

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000224	0.00105	1	12/04/2017 14:35	WG1049339
Naphthalene	U		0.00105	0.00527	1	12/04/2017 14:35	WG1049339
n-Propylbenzene	U		0.000217	0.00105	1	12/04/2017 14:35	WG1049339
Styrene	U		0.000247	0.00105	1	12/04/2017 14:35	WG1049339
1,1,1,2-Tetrachloroethane	U		0.000278	0.00105	1	12/04/2017 14:35	WG1049339
1,1,2,2-Tetrachloroethane	U		0.000385	0.00105	1	12/04/2017 14:35	WG1049339
1,1,2-Trichlorotrifluoroethane	U		0.000385	0.00105	1	12/04/2017 14:35	WG1049339
Tetrachloroethene	0.0333		0.000291	0.00105	1	12/04/2017 14:35	WG1049339
Toluene	U		0.000458	0.00527	1	12/04/2017 14:35	WG1049339
1,2,3-Trichlorobenzene	U		0.000323	0.00105	1	12/04/2017 14:35	WG1049339
1,2,4-Trichlorobenzene	U		0.000409	0.00105	1	12/04/2017 14:35	WG1049339
1,1,1-Trichloroethane	U		0.000302	0.00105	1	12/04/2017 14:35	WG1049339
1,1,2-Trichloroethane	U		0.000292	0.00105	1	12/04/2017 14:35	WG1049339
Trichloroethene	0.00215		0.000294	0.00105	1	12/04/2017 14:35	WG1049339
Trichlorofluoromethane	U		0.000403	0.00527	1	12/04/2017 14:35	WG1049339
1,2,3-Trichloropropane	U		0.000782	0.00264	1	12/04/2017 14:35	WG1049339
1,2,4-Trimethylbenzene	U		0.000223	0.00105	1	12/04/2017 14:35	WG1049339
1,2,3-Trimethylbenzene	U		0.000303	0.00105	1	12/04/2017 14:35	WG1049339
1,3,5-Trimethylbenzene	U		0.000281	0.00105	1	12/04/2017 14:35	WG1049339
Vinyl acetate	U		0.00252	0.0105	1	12/04/2017 14:35	WG1049339
Vinyl chloride	U		0.000307	0.00105	1	12/04/2017 14:35	WG1049339
Xylenes, Total	U		0.000736	0.00316	1	12/04/2017 14:35	WG1049339
(S) Toluene-d8	*97.6*			*80.0-120*		*12/04/2017 14:35*	WG1049339
(S) Dibromofluoromethane	*104*			*74.0-131*		*12/04/2017 14:35*	WG1049339
(S) 4-Bromofluorobenzene	*95.6*			*64.0-132*		*12/04/2017 14:35*	WG1049339

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	91.5		1	12/07/2017 13:13	WG1050624

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.0239	J	0.0109	0.0546	1	12/04/2017 14:54	WG1049339
Acrylonitrile	U		0.00196	0.0109	1	12/04/2017 14:54	WG1049339
Benzene	0.000348	J	0.000295	0.00109	1	12/04/2017 14:54	WG1049339
Bromobenzene	U		0.000310	0.00109	1	12/04/2017 14:54	WG1049339
Bromodichloromethane	U		0.000277	0.00109	1	12/04/2017 14:54	WG1049339
Bromochloromethane	U		0.000426	0.00546	1	12/04/2017 14:54	WG1049339
Bromoform	U		0.000463	0.00109	1	12/04/2017 14:54	WG1049339
Bromomethane	U		0.00146	0.00546	1	12/04/2017 14:54	WG1049339
n-Butylbenzene	U		0.000282	0.00109	1	12/04/2017 14:54	WG1049339
sec-Butylbenzene	U		0.000220	0.00109	1	12/04/2017 14:54	WG1049339
tert-Butylbenzene	U		0.000225	0.00109	1	12/04/2017 14:54	WG1049339
Carbon disulfide	U		0.000241	0.00109	1	12/04/2017 14:54	WG1049339
Carbon tetrachloride	U		0.000358	0.00109	1	12/04/2017 14:54	WG1049339
Chlorobenzene	U		0.000232	0.00109	1	12/04/2017 14:54	WG1049339
Chlorodibromomethane	U		0.000407	0.00109	1	12/04/2017 14:54	WG1049339
Chloroethane	U		0.00103	0.00546	1	12/04/2017 14:54	WG1049339
Chloroform	U		0.000250	0.00546	1	12/04/2017 14:54	WG1049339
Chloromethane	U		0.000410	0.00273	1	12/04/2017 14:54	WG1049339
2-Chlorotoluene	U		0.000329	0.00109	1	12/04/2017 14:54	WG1049339
4-Chlorotoluene	U		0.000262	0.00109	1	12/04/2017 14:54	WG1049339
1,2-Dibromo-3-Chloropropane	U		0.00115	0.00546	1	12/04/2017 14:54	WG1049339
1,2-Dibromoethane	U		0.000375	0.00109	1	12/04/2017 14:54	WG1049339
Dibromomethane	U		0.000417	0.00109	1	12/04/2017 14:54	WG1049339
1,2-Dichlorobenzene	U		0.000333	0.00109	1	12/04/2017 14:54	WG1049339
1,3-Dichlorobenzene	U		0.000261	0.00109	1	12/04/2017 14:54	WG1049339
1,4-Dichlorobenzene	U		0.000247	0.00109	1	12/04/2017 14:54	WG1049339
Dichlorodifluoromethane	U		0.000779	0.00546	1	12/04/2017 14:54	WG1049339
1,1-Dichloroethane	U		0.000217	0.00109	1	12/04/2017 14:54	WG1049339
1,2-Dichloroethane	U		0.000289	0.00109	1	12/04/2017 14:54	WG1049339
1,1-Dichloroethene	U		0.000331	0.00109	1	12/04/2017 14:54	WG1049339
cis-1,2-Dichloroethene	0.00634		0.000257	0.00109	1	12/04/2017 14:54	WG1049339
trans-1,2-Dichloroethene	U		0.000288	0.00109	1	12/04/2017 14:54	WG1049339
1,2-Dichloropropane	U		0.000391	0.00109	1	12/04/2017 14:54	WG1049339
1,1-Dichloropropene	U		0.000346	0.00109	1	12/04/2017 14:54	WG1049339
1,3-Dichloropropane	U		0.000226	0.00109	1	12/04/2017 14:54	WG1049339
cis-1,3-Dichloropropene	U		0.000286	0.00109	1	12/04/2017 14:54	WG1049339
trans-1,3-Dichloropropene	U		0.000292	0.00109	1	12/04/2017 14:54	WG1049339
trans-1,4-Dichloro-2-butene	U		0.000850	0.00273	1	12/04/2017 14:54	WG1049339
2,2-Dichloropropane	U		0.000305	0.00109	1	12/04/2017 14:54	WG1049339
Di-isopropyl ether	U		0.000271	0.00109	1	12/04/2017 14:54	WG1049339
Ethylbenzene	U		0.000324	0.00109	1	12/04/2017 14:54	WG1049339
Hexachloro-1,3-butadiene	U		0.000374	0.00109	1	12/04/2017 14:54	WG1049339
2-Hexanone	U		0.00150	0.0109	1	12/04/2017 14:54	WG1049339
n-Hexane	U		0.000317	0.0109	1	12/04/2017 14:54	WG1049339
Iodomethane	U		0.00276	0.0109	1	12/04/2017 14:54	WG1049339
Isopropylbenzene	U		0.000265	0.00109	1	12/04/2017 14:54	WG1049339
p-Isopropyltoluene	U		0.000223	0.00109	1	12/04/2017 14:54	WG1049339
2-Butanone (MEK)	0.00714	J	0.00511	0.0109	1	12/04/2017 14:54	WG1049339
Methylene Chloride	U		0.00109	0.00546	1	12/04/2017 14:54	WG1049339
4-Methyl-2-pentanone (MIBK)	U		0.00205	0.0109	1	12/04/2017 14:54	WG1049339

B-230-11

Collected date/time: 11/30/17 08:50

SAMPLE RESULTS - 02

L954694

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000232	0.00109	1	12/04/2017 14:54	WG1049339
Naphthalene	U		0.00109	0.00546	1	12/04/2017 14:54	WG1049339
n-Propylbenzene	U		0.000225	0.00109	1	12/04/2017 14:54	WG1049339
Styrene	U		0.000256	0.00109	1	12/04/2017 14:54	WG1049339
1,1,1,2-Tetrachloroethane	U		0.000288	0.00109	1	12/04/2017 14:54	WG1049339
1,1,2,2-Tetrachloroethane	U		0.000399	0.00109	1	12/04/2017 14:54	WG1049339
1,1,2-Trichlorotrifluoroethane	U		0.000399	0.00109	1	12/04/2017 14:54	WG1049339
Tetrachloroethene	0.00442		0.000301	0.00109	1	12/04/2017 14:54	WG1049339
Toluene	U		0.000474	0.00546	1	12/04/2017 14:54	WG1049339
1,2,3-Trichlorobenzene	U		0.000334	0.00109	1	12/04/2017 14:54	WG1049339
1,2,4-Trichlorobenzene	U		0.000424	0.00109	1	12/04/2017 14:54	WG1049339
1,1,1-Trichloroethane	U		0.000312	0.00109	1	12/04/2017 14:54	WG1049339
1,1,2-Trichloroethane	U		0.000303	0.00109	1	12/04/2017 14:54	WG1049339
Trichloroethene	0.000709	J	0.000305	0.00109	1	12/04/2017 14:54	WG1049339
Trichlorofluoromethane	U		0.000417	0.00546	1	12/04/2017 14:54	WG1049339
1,2,3-Trichloropropane	U		0.000809	0.00273	1	12/04/2017 14:54	WG1049339
1,2,4-Trimethylbenzene	U		0.000230	0.00109	1	12/04/2017 14:54	WG1049339
1,2,3-Trimethylbenzene	U		0.000313	0.00109	1	12/04/2017 14:54	WG1049339
1,3,5-Trimethylbenzene	U		0.000291	0.00109	1	12/04/2017 14:54	WG1049339
Vinyl acetate	U		0.00261	0.0109	1	12/04/2017 14:54	WG1049339
Vinyl chloride	0.00225		0.000318	0.00109	1	12/04/2017 14:54	WG1049339
Xylenes, Total	U		0.000762	0.00328	1	12/04/2017 14:54	WG1049339
(S) Toluene-d8	*99.9*			*80.0-120*		*12/04/2017 14:54*	WG1049339
(S) Dibromofluoromethane	*101*			*74.0-131*		*12/04/2017 14:54*	WG1049339
(S) 4-Bromofluorobenzene	*97.4*			*64.0-132*		*12/04/2017 14:54*	WG1049339

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	89.8		1	12/07/2017 12:45	WG1050629

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		2.78	13.9	250	12/04/2017 17:30	WG1049339
Acrylonitrile	U		0.499	2.78	250	12/04/2017 17:30	WG1049339
Benzene	U		0.0751	0.278	250	12/04/2017 17:30	WG1049339
Bromobenzene	U		0.0790	0.278	250	12/04/2017 17:30	WG1049339
Bromodichloromethane	U		0.0707	0.278	250	12/04/2017 17:30	WG1049339
Bromochloromethane	U		0.109	1.39	250	12/04/2017 17:30	WG1049339
Bromoform	U		0.118	0.278	250	12/04/2017 17:30	WG1049339
Bromomethane	U		0.373	1.39	250	12/04/2017 17:30	WG1049339
n-Butylbenzene	U		0.0718	0.278	250	12/04/2017 17:30	WG1049339
sec-Butylbenzene	U		0.0559	0.278	250	12/04/2017 17:30	WG1049339
tert-Butylbenzene	U		0.0573	0.278	250	12/04/2017 17:30	WG1049339
Carbon disulfide	U		0.0614	0.278	250	12/04/2017 17:30	WG1049339
Carbon tetrachloride	U		0.0913	0.278	250	12/04/2017 17:30	WG1049339
Chlorobenzene	U		0.0590	0.278	250	12/04/2017 17:30	WG1049339
Chlorodibromomethane	U		0.104	0.278	250	12/04/2017 17:30	WG1049339
Chloroethane	U		0.263	1.39	250	12/04/2017 17:30	WG1049339
Chloroform	U		0.0637	1.39	250	12/04/2017 17:30	WG1049339
Chloromethane	U		0.104	0.696	250	12/04/2017 17:30	WG1049339
2-Chlorotoluene	U		0.0837	0.278	250	12/04/2017 17:30	WG1049339
4-Chlorotoluene	U		0.0668	0.278	250	12/04/2017 17:30	WG1049339
1,2-Dibromo-3-Chloropropane	U		0.292	1.39	250	12/04/2017 17:30	WG1049339
1,2-Dibromoethane	U		0.0955	0.278	250	12/04/2017 17:30	WG1049339
Dibromomethane	U		0.106	0.278	250	12/04/2017 17:30	WG1049339
1,2-Dichlorobenzene	U		0.0848	0.278	250	12/04/2017 17:30	WG1049339
1,3-Dichlorobenzene	U		0.0666	0.278	250	12/04/2017 17:30	WG1049339
1,4-Dichlorobenzene	U		0.0629	0.278	250	12/04/2017 17:30	WG1049339
Dichlorodifluoromethane	U		0.198	1.39	250	12/04/2017 17:30	WG1049339
1,1-Dichloroethane	U		0.0554	0.278	250	12/04/2017 17:30	WG1049339
1,2-Dichloroethane	U		0.0737	0.278	250	12/04/2017 17:30	WG1049339
1,1-Dichloroethene	U		0.0844	0.278	250	12/04/2017 17:30	WG1049339
cis-1,2-Dichloroethene	10.4		0.0654	0.278	250	12/04/2017 17:30	WG1049339
trans-1,2-Dichloroethene	U		0.0735	0.278	250	12/04/2017 17:30	WG1049339
1,2-Dichloropropane	U		0.0996	0.278	250	12/04/2017 17:30	WG1049339
1,1-Dichloropropene	U		0.0882	0.278	250	12/04/2017 17:30	WG1049339
1,3-Dichloropropane	U		0.0577	0.278	250	12/04/2017 17:30	WG1049339
cis-1,3-Dichloropropene	U		0.0729	0.278	250	12/04/2017 17:30	WG1049339
trans-1,3-Dichloropropene	U		0.0744	0.278	250	12/04/2017 17:30	WG1049339
trans-1,4-Dichloro-2-butene	U		0.216	0.696	250	12/04/2017 17:30	WG1049339
2,2-Dichloropropane	U		0.0777	0.278	250	12/04/2017 17:30	WG1049339
Di-isopropyl ether	U		0.0690	0.278	250	12/04/2017 17:30	WG1049339
Ethylbenzene	U		0.0826	0.278	250	12/04/2017 17:30	WG1049339
Hexachloro-1,3-butadiene	U		0.0952	0.278	250	12/04/2017 17:30	WG1049339
2-Hexanone	U		0.381	2.78	250	12/04/2017 17:30	WG1049339
n-Hexane	U		0.0807	2.78	250	12/04/2017 17:30	WG1049339
Iodomethane	U		0.703	2.78	250	12/04/2017 17:30	WG1049339
Isopropylbenzene	U		0.0677	0.278	250	12/04/2017 17:30	WG1049339
p-Isopropyltoluene	U		0.0568	0.278	250	12/04/2017 17:30	WG1049339
2-Butanone (MEK)	U		1.30	2.78	250	12/04/2017 17:30	WG1049339
Methylene Chloride	U		0.278	1.39	250	12/04/2017 17:30	WG1049339
4-Methyl-2-pentanone (MIBK)	U		0.523	2.78	250	12/04/2017 17:30	WG1049339

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.0590	0.278	250	12/04/2017 17:30	WG1049339
Naphthalene	U		0.278	1.39	250	12/04/2017 17:30	WG1049339
n-Propylbenzene	U		0.0573	0.278	250	12/04/2017 17:30	WG1049339
Styrene	U		0.0651	0.278	250	12/04/2017 17:30	WG1049339
1,1,1,2-Tetrachloroethane	U		0.0735	0.278	250	12/04/2017 17:30	WG1049339
1,1,2,2-Tetrachloroethane	U		0.102	0.278	250	12/04/2017 17:30	WG1049339
1,1,2-Trichlorotrifluoroethane	U		0.102	0.278	250	12/04/2017 17:30	WG1049339
Tetrachloroethene	1100		7.68	27.8	25000	12/06/2017 20:09	WG1049339
Toluene	U		0.120	1.39	250	12/04/2017 17:30	WG1049339
1,2,3-Trichlorobenzene	U		0.0851	0.278	250	12/04/2017 17:30	WG1049339
1,2,4-Trichlorobenzene	U		0.108	0.278	250	12/04/2017 17:30	WG1049339
1,1,1-Trichloroethane	U		0.0796	0.278	250	12/04/2017 17:30	WG1049339
1,1,2-Trichloroethane	U		0.0770	0.278	250	12/04/2017 17:30	WG1049339
Trichloroethene	9.17		0.0777	0.278	250	12/04/2017 17:30	WG1049339
Trichlorofluoromethane	U		0.106	1.39	250	12/04/2017 17:30	WG1049339
1,2,3-Trichloropropane	U		0.206	0.696	250	12/04/2017 17:30	WG1049339
1,2,4-Trimethylbenzene	0.0621	J	0.0588	0.278	250	12/04/2017 17:30	WG1049339
1,2,3-Trimethylbenzene	U		0.0799	0.278	250	12/04/2017 17:30	WG1049339
1,3,5-Trimethylbenzene	U		0.0740	0.278	250	12/04/2017 17:30	WG1049339
Vinyl acetate	U		0.666	2.78	250	12/04/2017 17:30	WG1049339
Vinyl chloride	U		0.0810	0.278	250	12/04/2017 17:30	WG1049339
Xylenes, Total	U		0.194	0.835	250	12/04/2017 17:30	WG1049339
(S) Toluene-d8	*103*			*80.0-120*		*12/04/2017 17:30*	WG1049339
(S) Toluene-d8	*104*			*80.0-120*		*12/06/2017 20:09*	WG1049339
(S) Dibromofluoromethane	*96.7*			*74.0-131*		*12/04/2017 17:30*	WG1049339
(S) Dibromofluoromethane	*96.6*			*74.0-131*		*12/06/2017 20:09*	WG1049339
(S) 4-Bromofluorobenzene	*92.2*			*64.0-132*		*12/04/2017 17:30*	WG1049339
(S) 4-Bromofluorobenzene	*88.1*			*64.0-132*		*12/06/2017 20:09*	WG1049339

Sample Narrative:

L954694-03 WG1049339: Cannot be analyzed at a lower dilution due to high levels of target analytes.

B-230-21
Collected date/time: 11/30/17 09:10

SAMPLE RESULTS - 04

L954694

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	83.8		1	12/07/2017 12:45	WG1050629

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		23.9	119	2000	12/04/2017 18:48	WG1049339
Acrylonitrile	U		4.27	23.9	2000	12/04/2017 18:48	WG1049339
Benzene	U		0.645	2.39	2000	12/04/2017 18:48	WG1049339
Bromobenzene	U		0.678	2.39	2000	12/04/2017 18:48	WG1049339
Bromodichloromethane	U		0.607	2.39	2000	12/04/2017 18:48	WG1049339
Bromochloromethane	U		0.931	11.9	2000	12/04/2017 18:48	WG1049339
Bromoform	U		1.01	2.39	2000	12/04/2017 18:48	WG1049339
Bromomethane	U		3.20	11.9	2000	12/04/2017 18:48	WG1049339
n-Butylbenzene	U		0.616	2.39	2000	12/04/2017 18:48	WG1049339
sec-Butylbenzene	U		0.480	2.39	2000	12/04/2017 18:48	WG1049339
tert-Butylbenzene	U		0.492	2.39	2000	12/04/2017 18:48	WG1049339
Carbon disulfide	U		0.528	2.39	2000	12/04/2017 18:48	WG1049339
Carbon tetrachloride	U		0.783	2.39	2000	12/04/2017 18:48	WG1049339
Chlorobenzene	U		0.506	2.39	2000	12/04/2017 18:48	WG1049339
Chlorodibromomethane	U		0.891	2.39	2000	12/04/2017 18:48	WG1049339
Chloroethane	U		2.26	11.9	2000	12/04/2017 18:48	WG1049339
Chloroform	U		0.547	11.9	2000	12/04/2017 18:48	WG1049339
Chloromethane	U		0.895	5.97	2000	12/04/2017 18:48	WG1049339
2-Chlorotoluene	U		0.719	2.39	2000	12/04/2017 18:48	WG1049339
4-Chlorotoluene	U		0.573	2.39	2000	12/04/2017 18:48	WG1049339
1,2-Dibromo-3-Chloropropane	U		2.51	11.9	2000	12/04/2017 18:48	WG1049339
1,2-Dibromoethane	U		0.819	2.39	2000	12/04/2017 18:48	WG1049339
Dibromomethane	U		0.912	2.39	2000	12/04/2017 18:48	WG1049339
1,2-Dichlorobenzene	U		0.728	2.39	2000	12/04/2017 18:48	WG1049339
1,3-Dichlorobenzene	U		0.571	2.39	2000	12/04/2017 18:48	WG1049339
1,4-Dichlorobenzene	U		0.540	2.39	2000	12/04/2017 18:48	WG1049339
Dichlorodifluoromethane	U		1.71	11.9	2000	12/04/2017 18:48	WG1049339
1,1-Dichloroethane	U		0.475	2.39	2000	12/04/2017 18:48	WG1049339
1,2-Dichloroethane	U		0.633	2.39	2000	12/04/2017 18:48	WG1049339
1,1-Dichloroethene	U		0.724	2.39	2000	12/04/2017 18:48	WG1049339
cis-1,2-Dichloroethene	2.71		0.561	2.39	2000	12/04/2017 18:48	WG1049339
trans-1,2-Dichloroethene	U		0.630	2.39	2000	12/04/2017 18:48	WG1049339
1,2-Dichloropropane	U		0.855	2.39	2000	12/04/2017 18:48	WG1049339
1,1-Dichloropropene	U		0.757	2.39	2000	12/04/2017 18:48	WG1049339
1,3-Dichloropropane	U		0.494	2.39	2000	12/04/2017 18:48	WG1049339
cis-1,3-Dichloropropene	U		0.626	2.39	2000	12/04/2017 18:48	WG1049339
trans-1,3-Dichloropropene	U		0.638	2.39	2000	12/04/2017 18:48	WG1049339
trans-1,4-Dichloro-2-butene	U		1.86	5.97	2000	12/04/2017 18:48	WG1049339
2,2-Dichloropropane	U		0.666	2.39	2000	12/04/2017 18:48	WG1049339
Di-isopropyl ether	U		0.592	2.39	2000	12/04/2017 18:48	WG1049339
Ethylbenzene	U		0.709	2.39	2000	12/04/2017 18:48	WG1049339
Hexachloro-1,3-butadiene	U		0.817	2.39	2000	12/04/2017 18:48	WG1049339
2-Hexanone	U		3.27	23.9	2000	12/04/2017 18:48	WG1049339
n-Hexane	U		0.692	23.9	2000	12/04/2017 18:48	WG1049339
Iodomethane	U		6.04	23.9	2000	12/04/2017 18:48	WG1049339
Isopropylbenzene	U		0.580	2.39	2000	12/04/2017 18:48	WG1049339
p-Isopropyltoluene	U		0.487	2.39	2000	12/04/2017 18:48	WG1049339
2-Butanone (MEK)	U		11.2	23.9	2000	12/04/2017 18:48	WG1049339
Methylene Chloride	U		2.39	11.9	2000	12/04/2017 18:48	WG1049339
4-Methyl-2-pentanone (MIBK)	U		4.49	23.9	2000	12/04/2017 18:48	WG1049339

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.506	2.39	2000	12/04/2017 18:48	WG1049339
Naphthalene	U		2.39	11.9	2000	12/04/2017 18:48	WG1049339
n-Propylbenzene	U		0.492	2.39	2000	12/04/2017 18:48	WG1049339
Styrene	U		0.559	2.39	2000	12/04/2017 18:48	WG1049339
1,1,1,2-Tetrachloroethane	U		0.630	2.39	2000	12/04/2017 18:48	WG1049339
1,1,2,2-Tetrachloroethane	U		0.872	2.39	2000	12/04/2017 18:48	WG1049339
1,1,2-Trichlorotrifluoroethane	U		0.872	2.39	2000	12/04/2017 18:48	WG1049339
Tetrachloroethene	2820		33.0	119	100000	12/06/2017 20:28	WG1049339
Toluene	U		1.04	11.9	2000	12/04/2017 18:48	WG1049339
1,2,3-Trichlorobenzene	U		0.731	2.39	2000	12/04/2017 18:48	WG1049339
1,2,4-Trichlorobenzene	U		0.926	2.39	2000	12/04/2017 18:48	WG1049339
1,1,1-Trichloroethane	U		0.683	2.39	2000	12/04/2017 18:48	WG1049339
1,1,2-Trichloroethane	U		0.661	2.39	2000	12/04/2017 18:48	WG1049339
Trichloroethene	4.43		0.666	2.39	2000	12/04/2017 18:48	WG1049339
Trichlorofluoromethane	U		0.912	11.9	2000	12/04/2017 18:48	WG1049339
1,2,3-Trichloropropane	U		1.77	5.97	2000	12/04/2017 18:48	WG1049339
1,2,4-Trimethylbenzene	U		0.504	2.39	2000	12/04/2017 18:48	WG1049339
1,2,3-Trimethylbenzene	U		0.685	2.39	2000	12/04/2017 18:48	WG1049339
1,3,5-Trimethylbenzene	U		0.635	2.39	2000	12/04/2017 18:48	WG1049339
Vinyl acetate	U		5.71	23.9	2000	12/04/2017 18:48	WG1049339
Vinyl chloride	U		0.695	2.39	2000	12/04/2017 18:48	WG1049339
Xylenes, Total	U		1.67	7.16	2000	12/04/2017 18:48	WG1049339
(S) Toluene-d8	*101*			*80.0-120*		*12/04/2017 18:48*	WG1049339
(S) Toluene-d8	*106*			*80.0-120*		*12/06/2017 20:28*	WG1049339
(S) Dibromofluoromethane	*98.8*			*74.0-131*		*12/04/2017 18:48*	WG1049339
(S) Dibromofluoromethane	*96.1*			*74.0-131*		*12/06/2017 20:28*	WG1049339
(S) 4-Bromofluorobenzene	*90.4*			*64.0-132*		*12/04/2017 18:48*	WG1049339
(S) 4-Bromofluorobenzene	*87.5*			*64.0-132*		*12/06/2017 20:28*	WG1049339

Sample Narrative:

L954694-04 WG1049339: Cannot be analyzed at a lower dilution due to high levels of target analytes.

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

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	83.4		1	12/07/2017 13:13	WG1050624

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		30.0	150	2500	12/04/2017 19:08	WG1049339
Acrylonitrile	U		5.37	30.0	2500	12/04/2017 19:08	WG1049339
Benzene	U		0.809	3.00	2500	12/04/2017 19:08	WG1049339
Bromobenzene	U		0.851	3.00	2500	12/04/2017 19:08	WG1049339
Bromodichloromethane	U		0.761	3.00	2500	12/04/2017 19:08	WG1049339
Bromochloromethane	U		1.17	15.0	2500	12/04/2017 19:08	WG1049339
Bromoform	U		1.27	3.00	2500	12/04/2017 19:08	WG1049339
Bromomethane	U		4.01	15.0	2500	12/04/2017 19:08	WG1049339
n-Butylbenzene	U		0.773	3.00	2500	12/04/2017 19:08	WG1049339
sec-Butylbenzene	U		0.602	3.00	2500	12/04/2017 19:08	WG1049339
tert-Butylbenzene	U		0.617	3.00	2500	12/04/2017 19:08	WG1049339
Carbon disulfide	U		0.662	3.00	2500	12/04/2017 19:08	WG1049339
Carbon tetrachloride	U		0.983	3.00	2500	12/04/2017 19:08	WG1049339
Chlorobenzene	U		0.635	3.00	2500	12/04/2017 19:08	WG1049339
Chlorodibromomethane	U		1.12	3.00	2500	12/04/2017 19:08	WG1049339
Chloroethane	U		2.83	15.0	2500	12/04/2017 19:08	WG1049339
Chloroform	U		0.685	15.0	2500	12/04/2017 19:08	WG1049339
Chloromethane	U		1.12	7.49	2500	12/04/2017 19:08	WG1049339
2-Chlorotoluene	U		0.901	3.00	2500	12/04/2017 19:08	WG1049339
4-Chlorotoluene	U		0.719	3.00	2500	12/04/2017 19:08	WG1049339
1,2-Dibromo-3-Chloropropane	U		3.14	15.0	2500	12/04/2017 19:08	WG1049339
1,2-Dibromoethane	U		1.03	3.00	2500	12/04/2017 19:08	WG1049339
Dibromomethane	U		1.14	3.00	2500	12/04/2017 19:08	WG1049339
1,2-Dichlorobenzene	U		0.913	3.00	2500	12/04/2017 19:08	WG1049339
1,3-Dichlorobenzene	U		0.717	3.00	2500	12/04/2017 19:08	WG1049339
1,4-Dichlorobenzene	U		0.677	3.00	2500	12/04/2017 19:08	WG1049339
Dichlorodifluoromethane	U		2.13	15.0	2500	12/04/2017 19:08	WG1049339
1,1-Dichloroethane	U		0.597	3.00	2500	12/04/2017 19:08	WG1049339
1,2-Dichloroethane	U		0.793	3.00	2500	12/04/2017 19:08	WG1049339
1,1-Dichloroethene	U		0.908	3.00	2500	12/04/2017 19:08	WG1049339
cis-1,2-Dichloroethene	U		0.705	3.00	2500	12/04/2017 19:08	WG1049339
trans-1,2-Dichloroethene	U		0.791	3.00	2500	12/04/2017 19:08	WG1049339
1,2-Dichloropropane	U		1.07	3.00	2500	12/04/2017 19:08	WG1049339
1,1-Dichloropropene	U		0.949	3.00	2500	12/04/2017 19:08	WG1049339
1,3-Dichloropropane	U		0.621	3.00	2500	12/04/2017 19:08	WG1049339
cis-1,3-Dichloropropene	U		0.785	3.00	2500	12/04/2017 19:08	WG1049339
trans-1,3-Dichloropropene	U		0.801	3.00	2500	12/04/2017 19:08	WG1049339
trans-1,4-Dichloro-2-butene	U		2.32	7.49	2500	12/04/2017 19:08	WG1049339
2,2-Dichloropropane	U		0.836	3.00	2500	12/04/2017 19:08	WG1049339
Di-isopropyl ether	U		0.743	3.00	2500	12/04/2017 19:08	WG1049339
Ethylbenzene	U		0.889	3.00	2500	12/04/2017 19:08	WG1049339
Hexachloro-1,3-butadiene	U		1.02	3.00	2500	12/04/2017 19:08	WG1049339
2-Hexanone	U		4.10	30.0	2500	12/04/2017 19:08	WG1049339
n-Hexane	U		0.869	30.0	2500	12/04/2017 19:08	WG1049339
Iodomethane	U		7.57	30.0	2500	12/04/2017 19:08	WG1049339
Isopropylbenzene	U		0.729	3.00	2500	12/04/2017 19:08	WG1049339
p-Isopropyltoluene	U		0.611	3.00	2500	12/04/2017 19:08	WG1049339
2-Butanone (MEK)	U		14.0	30.0	2500	12/04/2017 19:08	WG1049339
Methylene Chloride	U		3.00	15.0	2500	12/04/2017 19:08	WG1049339
4-Methyl-2-pentanone (MIBK)	U		5.63	30.0	2500	12/04/2017 19:08	WG1049339

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

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

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg		date / time	
Methyl tert-butyl ether	U		0.635	3.00	2500	12/04/2017 19:08	WG1049339
Naphthalene	U		3.00	15.0	2500	12/04/2017 19:08	WG1049339
n-Propylbenzene	U		0.617	3.00	2500	12/04/2017 19:08	WG1049339
Styrene	U		0.701	3.00	2500	12/04/2017 19:08	WG1049339
1,1,1,2-Tetrachloroethane	U		0.791	3.00	2500	12/04/2017 19:08	WG1049339
1,1,2,2-Tetrachloroethane	U		1.09	3.00	2500	12/04/2017 19:08	WG1049339
1,1,2-Trichlorotrifluoroethane	U		1.09	3.00	2500	12/04/2017 19:08	WG1049339
Tetrachloroethene	607		6.62	24.0	20000	12/06/2017 19:49	WG1049339
Toluene	U		1.29	15.0	2500	12/04/2017 19:08	WG1049339
1,2,3-Trichlorobenzene	U		0.917	3.00	2500	12/04/2017 19:08	WG1049339
1,2,4-Trichlorobenzene	U		1.16	3.00	2500	12/04/2017 19:08	WG1049339
1,1,1-Trichloroethane	U		0.857	3.00	2500	12/04/2017 19:08	WG1049339
1,1,2-Trichloroethane	U		0.829	3.00	2500	12/04/2017 19:08	WG1049339
Trichloroethene	U		0.836	3.00	2500	12/04/2017 19:08	WG1049339
Trichlorofluoromethane	U		1.14	15.0	2500	12/04/2017 19:08	WG1049339
1,2,3-Trichloropropane	U		2.22	7.49	2500	12/04/2017 19:08	WG1049339
1,2,4-Trimethylbenzene	U		0.633	3.00	2500	12/04/2017 19:08	WG1049339
1,2,3-Trimethylbenzene	U		0.860	3.00	2500	12/04/2017 19:08	WG1049339
1,3,5-Trimethylbenzene	U		0.797	3.00	2500	12/04/2017 19:08	WG1049339
Vinyl acetate	U		7.17	30.0	2500	12/04/2017 19:08	WG1049339
Vinyl chloride	U		0.872	3.00	2500	12/04/2017 19:08	WG1049339
Xylenes, Total	U		2.09	8.99	2500	12/04/2017 19:08	WG1049339
(S) Toluene-d8	*110*			*80.0-120*		*12/04/2017 19:08*	WG1049339
(S) Toluene-d8	*102*			*80.0-120*		*12/06/2017 19:49*	WG1049339
(S) Dibromofluoromethane	*100*			*74.0-131*		*12/06/2017 19:49*	WG1049339
(S) Dibromofluoromethane	*101*			*74.0-131*		*12/04/2017 19:08*	WG1049339
(S) 4-Bromofluorobenzene	*91.3*			*64.0-132*		*12/06/2017 19:49*	WG1049339
(S) 4-Bromofluorobenzene	*94.1*			*64.0-132*		*12/04/2017 19:08*	WG1049339

Sample Narrative:

L954694-05 WG1049339: Cannot be analyzed at a lower dilution due to high levels of target analytes.

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	80.4		1	12/07/2017 13:01	WG1050628

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		12.4	62.2	1000	12/04/2017 18:09	WG1049339
Acrylonitrile	U		2.23	12.4	1000	12/04/2017 18:09	WG1049339
Benzene	U		0.336	1.24	1000	12/04/2017 18:09	WG1049339
Bromobenzene	U		0.353	1.24	1000	12/04/2017 18:09	WG1049339
Bromodichloromethane	U		0.316	1.24	1000	12/04/2017 18:09	WG1049339
Bromochloromethane	U		0.485	6.22	1000	12/04/2017 18:09	WG1049339
Bromoform	U		0.527	1.24	1000	12/04/2017 18:09	WG1049339
Bromomethane	U		1.67	6.22	1000	12/04/2017 18:09	WG1049339
n-Butylbenzene	U		0.321	1.24	1000	12/04/2017 18:09	WG1049339
sec-Butylbenzene	U		0.250	1.24	1000	12/04/2017 18:09	WG1049339
tert-Butylbenzene	U		0.256	1.24	1000	12/04/2017 18:09	WG1049339
Carbon disulfide	U		0.275	1.24	1000	12/04/2017 18:09	WG1049339
Carbon tetrachloride	U		0.408	1.24	1000	12/04/2017 18:09	WG1049339
Chlorobenzene	U		0.264	1.24	1000	12/04/2017 18:09	WG1049339
Chlorodibromomethane	U		0.464	1.24	1000	12/04/2017 18:09	WG1049339
Chloroethane	U		1.18	6.22	1000	12/04/2017 18:09	WG1049339
Chloroform	U		0.285	6.22	1000	12/04/2017 18:09	WG1049339
Chloromethane	U		0.466	3.11	1000	12/04/2017 18:09	WG1049339
2-Chlorotoluene	U		0.374	1.24	1000	12/04/2017 18:09	WG1049339
4-Chlorotoluene	U		0.299	1.24	1000	12/04/2017 18:09	WG1049339
1,2-Dibromo-3-Chloropropane	U		1.31	6.22	1000	12/04/2017 18:09	WG1049339
1,2-Dibromoethane	U		0.427	1.24	1000	12/04/2017 18:09	WG1049339
Dibromomethane	U		0.475	1.24	1000	12/04/2017 18:09	WG1049339
1,2-Dichlorobenzene	U		0.379	1.24	1000	12/04/2017 18:09	WG1049339
1,3-Dichlorobenzene	U		0.297	1.24	1000	12/04/2017 18:09	WG1049339
1,4-Dichlorobenzene	U		0.281	1.24	1000	12/04/2017 18:09	WG1049339
Dichlorodifluoromethane	U		0.887	6.22	1000	12/04/2017 18:09	WG1049339
1,1-Dichloroethane	U		0.248	1.24	1000	12/04/2017 18:09	WG1049339
1,2-Dichloroethane	U		0.330	1.24	1000	12/04/2017 18:09	WG1049339
1,1-Dichloroethene	U		0.377	1.24	1000	12/04/2017 18:09	WG1049339
cis-1,2-Dichloroethene	1.82		0.292	1.24	1000	12/04/2017 18:09	WG1049339
trans-1,2-Dichloroethene	U		0.328	1.24	1000	12/04/2017 18:09	WG1049339
1,2-Dichloropropane	U		0.445	1.24	1000	12/04/2017 18:09	WG1049339
1,1-Dichloropropene	U		0.394	1.24	1000	12/04/2017 18:09	WG1049339
1,3-Dichloropropane	U		0.257	1.24	1000	12/04/2017 18:09	WG1049339
cis-1,3-Dichloropropene	U		0.326	1.24	1000	12/04/2017 18:09	WG1049339
trans-1,3-Dichloropropene	U		0.332	1.24	1000	12/04/2017 18:09	WG1049339
trans-1,4-Dichloro-2-butene	U		0.968	3.11	1000	12/04/2017 18:09	WG1049339
2,2-Dichloropropane	U		0.347	1.24	1000	12/04/2017 18:09	WG1049339
Di-isopropyl ether	U		0.308	1.24	1000	12/04/2017 18:09	WG1049339
Ethylbenzene	U		0.369	1.24	1000	12/04/2017 18:09	WG1049339
Hexachloro-1,3-butadiene	U		0.425	1.24	1000	12/04/2017 18:09	WG1049339
2-Hexanone	U		1.70	12.4	1000	12/04/2017 18:09	WG1049339
n-Hexane	U		0.361	12.4	1000	12/04/2017 18:09	WG1049339
Iodomethane	U		3.15	12.4	1000	12/04/2017 18:09	WG1049339
Isopropylbenzene	U		0.302	1.24	1000	12/04/2017 18:09	WG1049339
p-Isopropyltoluene	U		0.254	1.24	1000	12/04/2017 18:09	WG1049339
2-Butanone (MEK)	U		5.82	12.4	1000	12/04/2017 18:09	WG1049339
Methylene Chloride	U		1.24	6.22	1000	12/04/2017 18:09	WG1049339
4-Methyl-2-pentanone (MIBK)	U		2.34	12.4	1000	12/04/2017 18:09	WG1049339

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

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.264	1.24	1000	12/04/2017 18:09	WG1049339
Naphthalene	U		1.24	6.22	1000	12/04/2017 18:09	WG1049339
n-Propylbenzene	U		0.256	1.24	1000	12/04/2017 18:09	WG1049339
Styrene	U		0.291	1.24	1000	12/04/2017 18:09	WG1049339
1,1,1,2-Tetrachloroethane	U		0.328	1.24	1000	12/04/2017 18:09	WG1049339
1,1,2,2-Tetrachloroethane	U		0.454	1.24	1000	12/04/2017 18:09	WG1049339
1,1,2-Trichlorotrifluoroethane	U		0.454	1.24	1000	12/04/2017 18:09	WG1049339
Tetrachloroethene	105		0.343	1.24	1000	12/04/2017 18:09	WG1049339
Toluene	U		0.540	6.22	1000	12/04/2017 18:09	WG1049339
1,2,3-Trichlorobenzene	U		0.381	1.24	1000	12/04/2017 18:09	WG1049339
1,2,4-Trichlorobenzene	U		0.483	1.24	1000	12/04/2017 18:09	WG1049339
1,1,1-Trichloroethane	U		0.356	1.24	1000	12/04/2017 18:09	WG1049339
1,1,2-Trichloroethane	U		0.345	1.24	1000	12/04/2017 18:09	WG1049339
Trichloroethene	0.603	J	0.347	1.24	1000	12/04/2017 18:09	WG1049339
Trichlorofluoromethane	U		0.475	6.22	1000	12/04/2017 18:09	WG1049339
1,2,3-Trichloropropane	U		0.922	3.11	1000	12/04/2017 18:09	WG1049339
1,2,4-Trimethylbenzene	U		0.262	1.24	1000	12/04/2017 18:09	WG1049339
1,2,3-Trimethylbenzene	U		0.357	1.24	1000	12/04/2017 18:09	WG1049339
1,3,5-Trimethylbenzene	U		0.331	1.24	1000	12/04/2017 18:09	WG1049339
Vinyl acetate	U		2.97	12.4	1000	12/04/2017 18:09	WG1049339
Vinyl chloride	U		0.362	1.24	1000	12/04/2017 18:09	WG1049339
Xylenes, Total	U		0.868	3.73	1000	12/04/2017 18:09	WG1049339
(S) Toluene-d8	*104*			*80.0-120*		*12/04/2017 18:09*	WG1049339
(S) Dibromofluoromethane	*103*			*74.0-131*		*12/04/2017 18:09*	WG1049339
(S) 4-Bromofluorobenzene	*90.7*			*64.0-132*		*12/04/2017 18:09*	WG1049339

Sample Narrative:

L954694-06 WG1049339: Cannot be analyzed at a lower dilution due to high levels of target analytes.

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	82.8		1	12/07/2017 13:13	WG1050624

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		12.1	60.4	1000	12/04/2017 18:29	WG1049339
Acrylonitrile	U		2.16	12.1	1000	12/04/2017 18:29	WG1049339
Benzene	U		0.326	1.21	1000	12/04/2017 18:29	WG1049339
Bromobenzene	U		0.343	1.21	1000	12/04/2017 18:29	WG1049339
Bromodichloromethane	U		0.307	1.21	1000	12/04/2017 18:29	WG1049339
Bromochloromethane	U		0.471	6.04	1000	12/04/2017 18:29	WG1049339
Bromoform	U		0.512	1.21	1000	12/04/2017 18:29	WG1049339
Bromomethane	U		1.62	6.04	1000	12/04/2017 18:29	WG1049339
n-Butylbenzene	U		0.312	1.21	1000	12/04/2017 18:29	WG1049339
sec-Butylbenzene	U		0.243	1.21	1000	12/04/2017 18:29	WG1049339
tert-Butylbenzene	U		0.249	1.21	1000	12/04/2017 18:29	WG1049339
Carbon disulfide	U		0.267	1.21	1000	12/04/2017 18:29	WG1049339
Carbon tetrachloride	U		0.396	1.21	1000	12/04/2017 18:29	WG1049339
Chlorobenzene	U		0.256	1.21	1000	12/04/2017 18:29	WG1049339
Chlorodibromomethane	U		0.450	1.21	1000	12/04/2017 18:29	WG1049339
Chloroethane	U		1.14	6.04	1000	12/04/2017 18:29	WG1049339
Chloroform	U		0.277	6.04	1000	12/04/2017 18:29	WG1049339
Chloromethane	U		0.453	3.02	1000	12/04/2017 18:29	WG1049339
2-Chlorotoluene	U		0.363	1.21	1000	12/04/2017 18:29	WG1049339
4-Chlorotoluene	U		0.290	1.21	1000	12/04/2017 18:29	WG1049339
1,2-Dibromo-3-Chloropropane	U		1.27	6.04	1000	12/04/2017 18:29	WG1049339
1,2-Dibromoethane	U		0.414	1.21	1000	12/04/2017 18:29	WG1049339
Dibromomethane	U		0.461	1.21	1000	12/04/2017 18:29	WG1049339
1,2-Dichlorobenzene	U		0.368	1.21	1000	12/04/2017 18:29	WG1049339
1,3-Dichlorobenzene	U		0.289	1.21	1000	12/04/2017 18:29	WG1049339
1,4-Dichlorobenzene	U		0.273	1.21	1000	12/04/2017 18:29	WG1049339
Dichlorodifluoromethane	U		0.861	6.04	1000	12/04/2017 18:29	WG1049339
1,1-Dichloroethane	U		0.240	1.21	1000	12/04/2017 18:29	WG1049339
1,2-Dichloroethane	U		0.320	1.21	1000	12/04/2017 18:29	WG1049339
1,1-Dichloroethene	U		0.366	1.21	1000	12/04/2017 18:29	WG1049339
cis-1,2-Dichloroethene	0.884	J	0.284	1.21	1000	12/04/2017 18:29	WG1049339
trans-1,2-Dichloroethene	U		0.319	1.21	1000	12/04/2017 18:29	WG1049339
1,2-Dichloropropane	U		0.432	1.21	1000	12/04/2017 18:29	WG1049339
1,1-Dichloropropene	U		0.383	1.21	1000	12/04/2017 18:29	WG1049339
1,3-Dichloropropane	U		0.250	1.21	1000	12/04/2017 18:29	WG1049339
cis-1,3-Dichloropropene	U		0.316	1.21	1000	12/04/2017 18:29	WG1049339
trans-1,3-Dichloropropene	U		0.322	1.21	1000	12/04/2017 18:29	WG1049339
trans-1,4-Dichloro-2-butene	U		0.940	3.02	1000	12/04/2017 18:29	WG1049339
2,2-Dichloropropane	U		0.337	1.21	1000	12/04/2017 18:29	WG1049339
Di-isopropyl ether	U		0.299	1.21	1000	12/04/2017 18:29	WG1049339
Ethylbenzene	U		0.359	1.21	1000	12/04/2017 18:29	WG1049339
Hexachloro-1,3-butadiene	U		0.413	1.21	1000	12/04/2017 18:29	WG1049339
2-Hexanone	U		1.65	12.1	1000	12/04/2017 18:29	WG1049339
n-Hexane	U		0.350	12.1	1000	12/04/2017 18:29	WG1049339
Iodomethane	U		3.06	12.1	1000	12/04/2017 18:29	WG1049339
Isopropylbenzene	U		0.293	1.21	1000	12/04/2017 18:29	WG1049339
p-Isopropyltoluene	U		0.246	1.21	1000	12/04/2017 18:29	WG1049339
2-Butanone (MEK)	U		5.65	12.1	1000	12/04/2017 18:29	WG1049339
Methylene Chloride	U		1.21	6.04	1000	12/04/2017 18:29	WG1049339
4-Methyl-2-pentanone (MIBK)	U		2.27	12.1	1000	12/04/2017 18:29	WG1049339

B-922-15

Collected date/time: 11/30/17 08:05

SAMPLE RESULTS - 07

L954694

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.256	1.21	1000	12/04/2017 18:29	WG1049339
Naphthalene	U		1.21	6.04	1000	12/04/2017 18:29	WG1049339
n-Propylbenzene	U		0.249	1.21	1000	12/04/2017 18:29	WG1049339
Styrene	U		0.283	1.21	1000	12/04/2017 18:29	WG1049339
1,1,1,2-Tetrachloroethane	U		0.319	1.21	1000	12/04/2017 18:29	WG1049339
1,1,2,2-Tetrachloroethane	U		0.441	1.21	1000	12/04/2017 18:29	WG1049339
1,1,2-Trichlorotrifluoroethane	U		0.441	1.21	1000	12/04/2017 18:29	WG1049339
Tetrachloroethene	165		0.333	1.21	1000	12/04/2017 18:29	WG1049339
Toluene	U		0.524	6.04	1000	12/04/2017 18:29	WG1049339
1,2,3-Trichlorobenzene	U		0.370	1.21	1000	12/04/2017 18:29	WG1049339
1,2,4-Trichlorobenzene	U		0.469	1.21	1000	12/04/2017 18:29	WG1049339
1,1,1-Trichloroethane	U		0.345	1.21	1000	12/04/2017 18:29	WG1049339
1,1,2-Trichloroethane	U		0.335	1.21	1000	12/04/2017 18:29	WG1049339
Trichloroethene	0.505	J	0.337	1.21	1000	12/04/2017 18:29	WG1049339
Trichlorofluoromethane	U		0.461	6.04	1000	12/04/2017 18:29	WG1049339
1,2,3-Trichloropropane	U		0.895	3.02	1000	12/04/2017 18:29	WG1049339
1,2,4-Trimethylbenzene	U		0.255	1.21	1000	12/04/2017 18:29	WG1049339
1,2,3-Trimethylbenzene	U		0.347	1.21	1000	12/04/2017 18:29	WG1049339
1,3,5-Trimethylbenzene	U		0.321	1.21	1000	12/04/2017 18:29	WG1049339
Vinyl acetate	U		2.89	12.1	1000	12/04/2017 18:29	WG1049339
Vinyl chloride	U		0.351	1.21	1000	12/04/2017 18:29	WG1049339
Xylenes, Total	U		0.843	3.62	1000	12/04/2017 18:29	WG1049339
(S) Toluene-d8	*104*			*80.0-120*		*12/04/2017 18:29*	WG1049339
(S) Dibromofluoromethane	*100*			*74.0-131*		*12/04/2017 18:29*	WG1049339
(S) 4-Bromofluorobenzene	*94.4*			*64.0-132*		*12/04/2017 18:29*	WG1049339

Sample Narrative:

L954694-07 WG1049339: Cannot be analyzed at a lower dilution due to high levels of target analytes.

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

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

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	84.7		1	12/07/2017 12:28	WG1050630

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		1.81	9.03	153	12/04/2017 17:11	WG1049339
Acrylonitrile	U		0.324	1.81	153	12/04/2017 17:11	WG1049339
Benzene	U		0.0488	0.181	153	12/04/2017 17:11	WG1049339
Bromobenzene	U		0.0512	0.181	153	12/04/2017 17:11	WG1049339
Bromodichloromethane	U		0.0459	0.181	153	12/04/2017 17:11	WG1049339
Bromochloromethane	U		0.0705	0.903	153	12/04/2017 17:11	WG1049339
Bromoform	U		0.0766	0.181	153	12/04/2017 17:11	WG1049339
Bromomethane	U		0.242	0.903	153	12/04/2017 17:11	WG1049339
n-Butylbenzene	U		0.0466	0.181	153	12/04/2017 17:11	WG1049339
sec-Butylbenzene	U		0.0364	0.181	153	12/04/2017 17:11	WG1049339
tert-Butylbenzene	U		0.0372	0.181	153	12/04/2017 17:11	WG1049339
Carbon disulfide	U		0.0399	0.181	153	12/04/2017 17:11	WG1049339
Carbon tetrachloride	U		0.0593	0.181	153	12/04/2017 17:11	WG1049339
Chlorobenzene	U		0.0383	0.181	153	12/04/2017 17:11	WG1049339
Chlorodibromomethane	U		0.0674	0.181	153	12/04/2017 17:11	WG1049339
Chloroethane	U		0.171	0.903	153	12/04/2017 17:11	WG1049339
Chloroform	U		0.0413	0.903	153	12/04/2017 17:11	WG1049339
Chloromethane	U		0.0678	0.452	153	12/04/2017 17:11	WG1049339
2-Chlorotoluene	U		0.0543	0.181	153	12/04/2017 17:11	WG1049339
4-Chlorotoluene	U		0.0433	0.181	153	12/04/2017 17:11	WG1049339
1,2-Dibromo-3-Chloropropane	U		0.190	0.903	153	12/04/2017 17:11	WG1049339
1,2-Dibromoethane	U		0.0620	0.181	153	12/04/2017 17:11	WG1049339
Dibromomethane	U		0.0690	0.181	153	12/04/2017 17:11	WG1049339
1,2-Dichlorobenzene	U		0.0551	0.181	153	12/04/2017 17:11	WG1049339
1,3-Dichlorobenzene	U		0.0432	0.181	153	12/04/2017 17:11	WG1049339
1,4-Dichlorobenzene	U		0.0409	0.181	153	12/04/2017 17:11	WG1049339
Dichlorodifluoromethane	U		0.129	0.903	153	12/04/2017 17:11	WG1049339
1,1-Dichloroethane	U		0.0359	0.181	153	12/04/2017 17:11	WG1049339
1,2-Dichloroethane	U		0.0478	0.181	153	12/04/2017 17:11	WG1049339
1,1-Dichloroethene	U		0.0548	0.181	153	12/04/2017 17:11	WG1049339
cis-1,2-Dichloroethene	0.470		0.0425	0.181	153	12/04/2017 17:11	WG1049339
trans-1,2-Dichloroethene	U		0.0477	0.181	153	12/04/2017 17:11	WG1049339
1,2-Dichloropropane	U		0.0647	0.181	153	12/04/2017 17:11	WG1049339
1,1-Dichloropropene	U		0.0573	0.181	153	12/04/2017 17:11	WG1049339
1,3-Dichloropropane	U		0.0374	0.181	153	12/04/2017 17:11	WG1049339
cis-1,3-Dichloropropene	U		0.0473	0.181	153	12/04/2017 17:11	WG1049339
trans-1,3-Dichloropropene	U		0.0482	0.181	153	12/04/2017 17:11	WG1049339
trans-1,4-Dichloro-2-butene	U		0.141	0.452	153	12/04/2017 17:11	WG1049339
2,2-Dichloropropane	U		0.0504	0.181	153	12/04/2017 17:11	WG1049339
Di-isopropyl ether	U		0.0447	0.181	153	12/04/2017 17:11	WG1049339
Ethylbenzene	U		0.0536	0.181	153	12/04/2017 17:11	WG1049339
Hexachloro-1,3-butadiene	U		0.0618	0.181	153	12/04/2017 17:11	WG1049339
2-Hexanone	U		0.248	1.81	153	12/04/2017 17:11	WG1049339
n-Hexane	U		0.0524	1.81	153	12/04/2017 17:11	WG1049339
Iodomethane	U		0.457	1.81	153	12/04/2017 17:11	WG1049339
Isopropylbenzene	U		0.0439	0.181	153	12/04/2017 17:11	WG1049339
p-Isopropyltoluene	U		0.0368	0.181	153	12/04/2017 17:11	WG1049339
2-Butanone (MEK)	U		0.845	1.81	153	12/04/2017 17:11	WG1049339
Methylene Chloride	U		0.181	0.903	153	12/04/2017 17:11	WG1049339
4-Methyl-2-pentanone (MIBK)	U		0.340	1.81	153	12/04/2017 17:11	WG1049339

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.0383	0.181	153	12/04/2017 17:11	WG1049339
Naphthalene	U		0.181	0.903	153	12/04/2017 17:11	WG1049339
n-Propylbenzene	U		0.0372	0.181	153	12/04/2017 17:11	WG1049339
Styrene	U		0.0423	0.181	153	12/04/2017 17:11	WG1049339
1,1,1,2-Tetrachloroethane	U		0.0477	0.181	153	12/04/2017 17:11	WG1049339
1,1,2,2-Tetrachloroethane	U		0.0659	0.181	153	12/04/2017 17:11	WG1049339
1,1,2-Trichlorotrifluoroethane	U		0.0659	0.181	153	12/04/2017 17:11	WG1049339
Tetrachloroethene	25.4		0.0498	0.181	153	12/04/2017 17:11	WG1049339
Toluene	U		0.0784	0.903	153	12/04/2017 17:11	WG1049339
1,2,3-Trichlorobenzene	U		0.0553	0.181	153	12/04/2017 17:11	WG1049339
1,2,4-Trichlorobenzene	U		0.0701	0.181	153	12/04/2017 17:11	WG1049339
1,1,1-Trichloroethane	U		0.0517	0.181	153	12/04/2017 17:11	WG1049339
1,1,2-Trichloroethane	U		0.0501	0.181	153	12/04/2017 17:11	WG1049339
Trichloroethene	0.211		0.0504	0.181	153	12/04/2017 17:11	WG1049339
Trichlorofluoromethane	U		0.0690	0.903	153	12/04/2017 17:11	WG1049339
1,2,3-Trichloropropane	U		0.133	0.452	153	12/04/2017 17:11	WG1049339
1,2,4-Trimethylbenzene	0.0580	J	0.0381	0.181	153	12/04/2017 17:11	WG1049339
1,2,3-Trimethylbenzene	U		0.0518	0.181	153	12/04/2017 17:11	WG1049339
1,3,5-Trimethylbenzene	U		0.0481	0.181	153	12/04/2017 17:11	WG1049339
Vinyl acetate	U		0.432	1.81	153	12/04/2017 17:11	WG1049339
Vinyl chloride	U		0.0525	0.181	153	12/04/2017 17:11	WG1049339
Xylenes, Total	0.174	J	0.126	0.542	153	12/04/2017 17:11	WG1049339
(S) Toluene-d8	*107*			*80.0-120*		*12/04/2017 17:11*	WG1049339
(S) Dibromofluoromethane	*97.4*			*74.0-131*		*12/04/2017 17:11*	WG1049339
(S) 4-Bromofluorobenzene	*89.0*			*64.0-132*		*12/04/2017 17:11*	WG1049339

Sample Narrative:

L954694-08 WG1049339: Cannot be analyzed at a lower dilution due to high levels of target analytes.

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

B-230-55
Collected date/time: 11/30/17 11:05

SAMPLE RESULTS - 09

L954694

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

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	83.3		1	12/07/2017 13:01	WG1050628

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		3.00	15.0	250	12/04/2017 17:50	WG1049339
Acrylonitrile	U		0.538	3.00	250	12/04/2017 17:50	WG1049339
Benzene	U		0.0810	0.300	250	12/04/2017 17:50	WG1049339
Bromobenzene	U		0.0852	0.300	250	12/04/2017 17:50	WG1049339
Bromodichloromethane	U		0.0762	0.300	250	12/04/2017 17:50	WG1049339
Bromochloromethane	U		0.117	1.50	250	12/04/2017 17:50	WG1049339
Bromoform	U		0.127	0.300	250	12/04/2017 17:50	WG1049339
Bromomethane	U		0.402	1.50	250	12/04/2017 17:50	WG1049339
n-Butylbenzene	U		0.0774	0.300	250	12/04/2017 17:50	WG1049339
sec-Butylbenzene	U		0.0603	0.300	250	12/04/2017 17:50	WG1049339
tert-Butylbenzene	U		0.0618	0.300	250	12/04/2017 17:50	WG1049339
Carbon disulfide	U		0.0663	0.300	250	12/04/2017 17:50	WG1049339
Carbon tetrachloride	U		0.0984	0.300	250	12/04/2017 17:50	WG1049339
Chlorobenzene	U		0.0636	0.300	250	12/04/2017 17:50	WG1049339
Chlorodibromomethane	U		0.112	0.300	250	12/04/2017 17:50	WG1049339
Chloroethane	U		0.283	1.50	250	12/04/2017 17:50	WG1049339
Chloroform	U		0.0687	1.50	250	12/04/2017 17:50	WG1049339
Chloromethane	U		0.113	0.750	250	12/04/2017 17:50	WG1049339
2-Chlorotoluene	U		0.0903	0.300	250	12/04/2017 17:50	WG1049339
4-Chlorotoluene	U		0.0720	0.300	250	12/04/2017 17:50	WG1049339
1,2-Dibromo-3-Chloropropane	U		0.314	1.50	250	12/04/2017 17:50	WG1049339
1,2-Dibromoethane	U		0.103	0.300	250	12/04/2017 17:50	WG1049339
Dibromomethane	U		0.115	0.300	250	12/04/2017 17:50	WG1049339
1,2-Dichlorobenzene	U		0.0915	0.300	250	12/04/2017 17:50	WG1049339
1,3-Dichlorobenzene	U		0.0718	0.300	250	12/04/2017 17:50	WG1049339
1,4-Dichlorobenzene	U		0.0678	0.300	250	12/04/2017 17:50	WG1049339
Dichlorodifluoromethane	U		0.214	1.50	250	12/04/2017 17:50	WG1049339
1,1-Dichloroethane	U		0.0598	0.300	250	12/04/2017 17:50	WG1049339
1,2-Dichloroethane	U		0.0795	0.300	250	12/04/2017 17:50	WG1049339
1,1-Dichloroethene	U		0.0910	0.300	250	12/04/2017 17:50	WG1049339
cis-1,2-Dichloroethene	1.97		0.0706	0.300	250	12/04/2017 17:50	WG1049339
trans-1,2-Dichloroethene	U		0.0792	0.300	250	12/04/2017 17:50	WG1049339
1,2-Dichloropropane	U		0.107	0.300	250	12/04/2017 17:50	WG1049339
1,1-Dichloropropene	U		0.0951	0.300	250	12/04/2017 17:50	WG1049339
1,3-Dichloropropane	U		0.0622	0.300	250	12/04/2017 17:50	WG1049339
cis-1,3-Dichloropropene	U		0.0786	0.300	250	12/04/2017 17:50	WG1049339
trans-1,3-Dichloropropene	U		0.0802	0.300	250	12/04/2017 17:50	WG1049339
trans-1,4-Dichloro-2-butene	U		0.233	0.750	250	12/04/2017 17:50	WG1049339
2,2-Dichloropropane	U		0.0838	0.300	250	12/04/2017 17:50	WG1049339
Di-isopropyl ether	U		0.0744	0.300	250	12/04/2017 17:50	WG1049339
Ethylbenzene	U		0.0891	0.300	250	12/04/2017 17:50	WG1049339
Hexachloro-1,3-butadiene	U		0.103	0.300	250	12/04/2017 17:50	WG1049339
2-Hexanone	U		0.410	3.00	250	12/04/2017 17:50	WG1049339
n-Hexane	U		0.0870	3.00	250	12/04/2017 17:50	WG1049339
Iodomethane	U		0.759	3.00	250	12/04/2017 17:50	WG1049339
Isopropylbenzene	U		0.0730	0.300	250	12/04/2017 17:50	WG1049339
p-Isopropyltoluene	U		0.0612	0.300	250	12/04/2017 17:50	WG1049339
2-Butanone (MEK)	U		1.40	3.00	250	12/04/2017 17:50	WG1049339
Methylene Chloride	U		0.300	1.50	250	12/04/2017 17:50	WG1049339
4-Methyl-2-pentanone (MIBK)	U		0.564	3.00	250	12/04/2017 17:50	WG1049339

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.0636	0.300	250	12/04/2017 17:50	WG1049339
Naphthalene	U		0.300	1.50	250	12/04/2017 17:50	WG1049339
n-Propylbenzene	U		0.0618	0.300	250	12/04/2017 17:50	WG1049339
Styrene	U		0.0702	0.300	250	12/04/2017 17:50	WG1049339
1,1,1,2-Tetrachloroethane	U		0.0792	0.300	250	12/04/2017 17:50	WG1049339
1,1,2,2-Tetrachloroethane	U		0.109	0.300	250	12/04/2017 17:50	WG1049339
1,1,2-Trichlorotrifluoroethane	U		0.109	0.300	250	12/04/2017 17:50	WG1049339
Tetrachloroethene	42.3		0.0828	0.300	250	12/04/2017 17:50	WG1049339
Toluene	U		0.130	1.50	250	12/04/2017 17:50	WG1049339
1,2,3-Trichlorobenzene	U		0.0918	0.300	250	12/04/2017 17:50	WG1049339
1,2,4-Trichlorobenzene	U		0.116	0.300	250	12/04/2017 17:50	WG1049339
1,1,1-Trichloroethane	U		0.0858	0.300	250	12/04/2017 17:50	WG1049339
1,1,2-Trichloroethane	U		0.0831	0.300	250	12/04/2017 17:50	WG1049339
Trichloroethene	5.09		0.0838	0.300	250	12/04/2017 17:50	WG1049339
Trichlorofluoromethane	U		0.115	1.50	250	12/04/2017 17:50	WG1049339
1,2,3-Trichloropropane	U		0.222	0.750	250	12/04/2017 17:50	WG1049339
1,2,4-Trimethylbenzene	U		0.0634	0.300	250	12/04/2017 17:50	WG1049339
1,2,3-Trimethylbenzene	U		0.0862	0.300	250	12/04/2017 17:50	WG1049339
1,3,5-Trimethylbenzene	U		0.0798	0.300	250	12/04/2017 17:50	WG1049339
Vinyl acetate	U		0.718	3.00	250	12/04/2017 17:50	WG1049339
Vinyl chloride	U		0.0874	0.300	250	12/04/2017 17:50	WG1049339
Xylenes, Total	U		0.209	0.900	250	12/04/2017 17:50	WG1049339
(S) Toluene-d8	*105*			*80.0-120*		*12/04/2017 17:50*	WG1049339
(S) Dibromofluoromethane	*101*			*74.0-131*		*12/04/2017 17:50*	WG1049339
(S) 4-Bromofluorobenzene	*91.7*			*64.0-132*		*12/04/2017 17:50*	WG1049339

Sample Narrative:

L954694-09 WG1049339: Cannot be analyzed at a lower dilution due to high levels of target analytes.

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

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	81.1		1	12/07/2017 13:13	WG1050624

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0123	0.0617	1	12/04/2017 15:14	WG1049339
Acrylonitrile	U		0.00221	0.0123	1	12/04/2017 15:14	WG1049339
Benzene	U		0.000333	0.00123	1	12/04/2017 15:14	WG1049339
Bromobenzene	U		0.000350	0.00123	1	12/04/2017 15:14	WG1049339
Bromodichloromethane	U		0.000313	0.00123	1	12/04/2017 15:14	WG1049339
Bromochloromethane	U		0.000481	0.00617	1	12/04/2017 15:14	WG1049339
Bromoform	U		0.000523	0.00123	1	12/04/2017 15:14	WG1049339
Bromomethane	U		0.00165	0.00617	1	12/04/2017 15:14	WG1049339
n-Butylbenzene	U		0.000318	0.00123	1	12/04/2017 15:14	WG1049339
sec-Butylbenzene	U		0.000248	0.00123	1	12/04/2017 15:14	WG1049339
tert-Butylbenzene	U		0.000254	0.00123	1	12/04/2017 15:14	WG1049339
Carbon disulfide	U		0.000273	0.00123	1	12/04/2017 15:14	WG1049339
Carbon tetrachloride	U		0.000405	0.00123	1	12/04/2017 15:14	WG1049339
Chlorobenzene	U		0.000261	0.00123	1	12/04/2017 15:14	WG1049339
Chlorodibromomethane	U		0.000460	0.00123	1	12/04/2017 15:14	WG1049339
Chloroethane	U		0.00117	0.00617	1	12/04/2017 15:14	WG1049339
Chloroform	U		0.000282	0.00617	1	12/04/2017 15:14	WG1049339
Chloromethane	U		0.000463	0.00308	1	12/04/2017 15:14	WG1049339
2-Chlorotoluene	U		0.000371	0.00123	1	12/04/2017 15:14	WG1049339
4-Chlorotoluene	U		0.000296	0.00123	1	12/04/2017 15:14	WG1049339
1,2-Dibromo-3-Chloropropane	U		0.00130	0.00617	1	12/04/2017 15:14	WG1049339
1,2-Dibromoethane	U		0.000423	0.00123	1	12/04/2017 15:14	WG1049339
Dibromomethane	U		0.000471	0.00123	1	12/04/2017 15:14	WG1049339
1,2-Dichlorobenzene	U		0.000376	0.00123	1	12/04/2017 15:14	WG1049339
1,3-Dichlorobenzene	U		0.000295	0.00123	1	12/04/2017 15:14	WG1049339
1,4-Dichlorobenzene	U		0.000279	0.00123	1	12/04/2017 15:14	WG1049339
Dichlorodifluoromethane	U		0.000879	0.00617	1	12/04/2017 15:14	WG1049339
1,1-Dichloroethane	U		0.000245	0.00123	1	12/04/2017 15:14	WG1049339
1,2-Dichloroethane	U		0.000327	0.00123	1	12/04/2017 15:14	WG1049339
1,1-Dichloroethene	U		0.000374	0.00123	1	12/04/2017 15:14	WG1049339
cis-1,2-Dichloroethene	0.00617		0.000290	0.00123	1	12/04/2017 15:14	WG1049339
trans-1,2-Dichloroethene	U		0.000326	0.00123	1	12/04/2017 15:14	WG1049339
1,2-Dichloropropane	U		0.000442	0.00123	1	12/04/2017 15:14	WG1049339
1,1-Dichloropropene	U		0.000391	0.00123	1	12/04/2017 15:14	WG1049339
1,3-Dichloropropane	U		0.000255	0.00123	1	12/04/2017 15:14	WG1049339
cis-1,3-Dichloropropene	U		0.000323	0.00123	1	12/04/2017 15:14	WG1049339
trans-1,3-Dichloropropene	U		0.000329	0.00123	1	12/04/2017 15:14	WG1049339
trans-1,4-Dichloro-2-butene	U		0.000960	0.00308	1	12/04/2017 15:14	WG1049339
2,2-Dichloropropane	U		0.000344	0.00123	1	12/04/2017 15:14	WG1049339
Di-isopropyl ether	U		0.000306	0.00123	1	12/04/2017 15:14	WG1049339
Ethylbenzene	U		0.000366	0.00123	1	12/04/2017 15:14	WG1049339
Hexachloro-1,3-butadiene	U		0.000422	0.00123	1	12/04/2017 15:14	WG1049339
2-Hexanone	U		0.00169	0.0123	1	12/04/2017 15:14	WG1049339
n-Hexane	U		0.000358	0.0123	1	12/04/2017 15:14	WG1049339
Iodomethane	U		0.00312	0.0123	1	12/04/2017 15:14	WG1049339
Isopropylbenzene	U		0.000300	0.00123	1	12/04/2017 15:14	WG1049339
p-Isopropyltoluene	U		0.000252	0.00123	1	12/04/2017 15:14	WG1049339
2-Butanone (MEK)	U		0.00577	0.0123	1	12/04/2017 15:14	WG1049339
Methylene Chloride	U		0.00123	0.00617	1	12/04/2017 15:14	WG1049339
4-Methyl-2-pentanone (MIBK)	U		0.00232	0.0123	1	12/04/2017 15:14	WG1049339

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000261	0.00123	1	12/04/2017 15:14	WG1049339
Naphthalene	U		0.00123	0.00617	1	12/04/2017 15:14	WG1049339
n-Propylbenzene	U		0.000254	0.00123	1	12/04/2017 15:14	WG1049339
Styrene	U		0.000289	0.00123	1	12/04/2017 15:14	WG1049339
1,1,1,2-Tetrachloroethane	U		0.000326	0.00123	1	12/04/2017 15:14	WG1049339
1,1,2,2-Tetrachloroethane	U		0.000450	0.00123	1	12/04/2017 15:14	WG1049339
1,1,2-Trichlorotrifluoroethane	U		0.000450	0.00123	1	12/04/2017 15:14	WG1049339
Tetrachloroethene	0.0109		0.000340	0.00123	1	12/04/2017 15:14	WG1049339
Toluene	U		0.000535	0.00617	1	12/04/2017 15:14	WG1049339
1,2,3-Trichlorobenzene	U		0.000377	0.00123	1	12/04/2017 15:14	WG1049339
1,2,4-Trichlorobenzene	U		0.000479	0.00123	1	12/04/2017 15:14	WG1049339
1,1,1-Trichloroethane	U		0.000353	0.00123	1	12/04/2017 15:14	WG1049339
1,1,2-Trichloroethane	U		0.000342	0.00123	1	12/04/2017 15:14	WG1049339
Trichloroethene	0.00146		0.000344	0.00123	1	12/04/2017 15:14	WG1049339
Trichlorofluoromethane	U		0.000471	0.00617	1	12/04/2017 15:14	WG1049339
1,2,3-Trichloropropane	U		0.000914	0.00308	1	12/04/2017 15:14	WG1049339
1,2,4-Trimethylbenzene	U		0.000260	0.00123	1	12/04/2017 15:14	WG1049339
1,2,3-Trimethylbenzene	U		0.000354	0.00123	1	12/04/2017 15:14	WG1049339
1,3,5-Trimethylbenzene	U		0.000328	0.00123	1	12/04/2017 15:14	WG1049339
Vinyl acetate	U		0.00295	0.0123	1	12/04/2017 15:14	WG1049339
Vinyl chloride	U		0.000359	0.00123	1	12/04/2017 15:14	WG1049339
Xylenes, Total	U		0.000861	0.00370	1	12/04/2017 15:14	WG1049339
(S) Toluene-d8	*96.1*			*80.0-120*		*12/04/2017 15:14*	WG1049339
(S) Dibromofluoromethane	*107*			*74.0-131*		*12/04/2017 15:14*	WG1049339
(S) 4-Bromofluorobenzene	*91.4*			*64.0-132*		*12/04/2017 15:14*	WG1049339

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

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

Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch
Analyte	%			date / time	
Total Solids	84.8		1	12/07/2017 13:13	WG1050624

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

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0118	0.0589	1	12/04/2017 15:33	WG1049339
Acrylonitrile	U		0.00211	0.0118	1	12/04/2017 15:33	WG1049339
Benzene	U		0.000318	0.00118	1	12/04/2017 15:33	WG1049339
Bromobenzene	U		0.000335	0.00118	1	12/04/2017 15:33	WG1049339
Bromodichloromethane	U		0.000299	0.00118	1	12/04/2017 15:33	WG1049339
Bromochloromethane	U		0.000460	0.00589	1	12/04/2017 15:33	WG1049339
Bromoform	U		0.000500	0.00118	1	12/04/2017 15:33	WG1049339
Bromomethane	U		0.00158	0.00589	1	12/04/2017 15:33	WG1049339
n-Butylbenzene	U		0.000304	0.00118	1	12/04/2017 15:33	WG1049339
sec-Butylbenzene	U		0.000237	0.00118	1	12/04/2017 15:33	WG1049339
tert-Butylbenzene	U		0.000243	0.00118	1	12/04/2017 15:33	WG1049339
Carbon disulfide	U		0.000260	0.00118	1	12/04/2017 15:33	WG1049339
Carbon tetrachloride	U		0.000387	0.00118	1	12/04/2017 15:33	WG1049339
Chlorobenzene	U		0.000250	0.00118	1	12/04/2017 15:33	WG1049339
Chlorodibromomethane	U		0.000440	0.00118	1	12/04/2017 15:33	WG1049339
Chloroethane	U		0.00111	0.00589	1	12/04/2017 15:33	WG1049339
Chloroform	U		0.000270	0.00589	1	12/04/2017 15:33	WG1049339
Chloromethane	U		0.000442	0.00295	1	12/04/2017 15:33	WG1049339
2-Chlorotoluene	U		0.000355	0.00118	1	12/04/2017 15:33	WG1049339
4-Chlorotoluene	U		0.000283	0.00118	1	12/04/2017 15:33	WG1049339
1,2-Dibromo-3-Chloropropane	U		0.00124	0.00589	1	12/04/2017 15:33	WG1049339
1,2-Dibromoethane	U		0.000404	0.00118	1	12/04/2017 15:33	WG1049339
Dibromomethane	U		0.000450	0.00118	1	12/04/2017 15:33	WG1049339
1,2-Dichlorobenzene	U		0.000359	0.00118	1	12/04/2017 15:33	WG1049339
1,3-Dichlorobenzene	U		0.000282	0.00118	1	12/04/2017 15:33	WG1049339
1,4-Dichlorobenzene	U		0.000266	0.00118	1	12/04/2017 15:33	WG1049339
Dichlorodifluoromethane	U		0.000840	0.00589	1	12/04/2017 15:33	WG1049339
1,1-Dichloroethane	U		0.000235	0.00118	1	12/04/2017 15:33	WG1049339
1,2-Dichloroethane	U		0.000312	0.00118	1	12/04/2017 15:33	WG1049339
1,1-Dichloroethene	U		0.000357	0.00118	1	12/04/2017 15:33	WG1049339
cis-1,2-Dichloroethene	0.000868	J	0.000277	0.00118	1	12/04/2017 15:33	WG1049339
trans-1,2-Dichloroethene	U		0.000311	0.00118	1	12/04/2017 15:33	WG1049339
1,2-Dichloropropane	U		0.000422	0.00118	1	12/04/2017 15:33	WG1049339
1,1-Dichloropropene	U		0.000374	0.00118	1	12/04/2017 15:33	WG1049339
1,3-Dichloropropane	U		0.000244	0.00118	1	12/04/2017 15:33	WG1049339
cis-1,3-Dichloropropene	U		0.000309	0.00118	1	12/04/2017 15:33	WG1049339
trans-1,3-Dichloropropene	U		0.000315	0.00118	1	12/04/2017 15:33	WG1049339
trans-1,4-Dichloro-2-butene	U		0.000917	0.00295	1	12/04/2017 15:33	WG1049339
2,2-Dichloropropane	U		0.000329	0.00118	1	12/04/2017 15:33	WG1049339
Di-isopropyl ether	U		0.000292	0.00118	1	12/04/2017 15:33	WG1049339
Ethylbenzene	U		0.000350	0.00118	1	12/04/2017 15:33	WG1049339
Hexachloro-1,3-butadiene	U		0.000403	0.00118	1	12/04/2017 15:33	WG1049339
2-Hexanone	U		0.00161	0.0118	1	12/04/2017 15:33	WG1049339
n-Hexane	U		0.000342	0.0118	1	12/04/2017 15:33	WG1049339
Iodomethane	U		0.00298	0.0118	1	12/04/2017 15:33	WG1049339
Isopropylbenzene	U		0.000286	0.00118	1	12/04/2017 15:33	WG1049339
p-Isopropyltoluene	U		0.000240	0.00118	1	12/04/2017 15:33	WG1049339
2-Butanone (MEK)	U		0.00552	0.0118	1	12/04/2017 15:33	WG1049339
Methylene Chloride	U		0.00118	0.00589	1	12/04/2017 15:33	WG1049339
4-Methyl-2-pentanone (MIBK)	U		0.00222	0.0118	1	12/04/2017 15:33	WG1049339

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000250	0.00118	1	12/04/2017 15:33	WG1049339
Naphthalene	U		0.00118	0.00589	1	12/04/2017 15:33	WG1049339
n-Propylbenzene	U		0.000243	0.00118	1	12/04/2017 15:33	WG1049339
Styrene	U		0.000276	0.00118	1	12/04/2017 15:33	WG1049339
1,1,1,2-Tetrachloroethane	U		0.000311	0.00118	1	12/04/2017 15:33	WG1049339
1,1,2,2-Tetrachloroethane	U		0.000430	0.00118	1	12/04/2017 15:33	WG1049339
1,1,2-Trichlorotrifluoroethane	U		0.000430	0.00118	1	12/04/2017 15:33	WG1049339
Tetrachloroethene	0.0347		0.000325	0.00118	1	12/04/2017 15:33	WG1049339
Toluene	U		0.000512	0.00589	1	12/04/2017 15:33	WG1049339
1,2,3-Trichlorobenzene	U		0.000361	0.00118	1	12/04/2017 15:33	WG1049339
1,2,4-Trichlorobenzene	U		0.000457	0.00118	1	12/04/2017 15:33	WG1049339
1,1,1-Trichloroethane	U		0.000337	0.00118	1	12/04/2017 15:33	WG1049339
1,1,2-Trichloroethane	U		0.000326	0.00118	1	12/04/2017 15:33	WG1049339
Trichloroethene	0.000346	J	0.000329	0.00118	1	12/04/2017 15:33	WG1049339
Trichlorofluoromethane	U		0.000450	0.00589	1	12/04/2017 15:33	WG1049339
1,2,3-Trichloropropane	U		0.000873	0.00295	1	12/04/2017 15:33	WG1049339
1,2,4-Trimethylbenzene	U		0.000249	0.00118	1	12/04/2017 15:33	WG1049339
1,2,3-Trimethylbenzene	U		0.000338	0.00118	1	12/04/2017 15:33	WG1049339
1,3,5-Trimethylbenzene	U		0.000314	0.00118	1	12/04/2017 15:33	WG1049339
Vinyl acetate	U		0.00282	0.0118	1	12/04/2017 15:33	WG1049339
Vinyl chloride	U		0.000343	0.00118	1	12/04/2017 15:33	WG1049339
Xylenes, Total	U		0.000823	0.00354	1	12/04/2017 15:33	WG1049339
(S) Toluene-d8	*96.1*			*80.0-120*		*12/04/2017 15:33*	WG1049339
(S) Dibromofluoromethane	*106*			*74.0-131*		*12/04/2017 15:33*	WG1049339
(S) 4-Bromofluorobenzene	*93.7*			*64.0-132*		*12/04/2017 15:33*	WG1049339

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	89.3		1	12/07/2017 12:28	WG1050630

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.280	1.40	25	12/04/2017 16:51	WG1049339
Acrylonitrile	U		0.0502	0.280	25	12/04/2017 16:51	WG1049339
Benzene	U		0.00756	0.0280	25	12/04/2017 16:51	WG1049339
Bromobenzene	U		0.00796	0.0280	25	12/04/2017 16:51	WG1049339
Bromodichloromethane	U		0.00711	0.0280	25	12/04/2017 16:51	WG1049339
Bromochloromethane	U		0.0109	0.140	25	12/04/2017 16:51	WG1049339
Bromoform	U		0.0119	0.0280	25	12/04/2017 16:51	WG1049339
Bromomethane	U		0.0375	0.140	25	12/04/2017 16:51	WG1049339
n-Butylbenzene	U		0.00723	0.0280	25	12/04/2017 16:51	WG1049339
sec-Butylbenzene	U		0.00562	0.0280	25	12/04/2017 16:51	WG1049339
tert-Butylbenzene	U		0.00577	0.0280	25	12/04/2017 16:51	WG1049339
Carbon disulfide	U		0.00618	0.0280	25	12/04/2017 16:51	WG1049339
Carbon tetrachloride	U		0.00919	0.0280	25	12/04/2017 16:51	WG1049339
Chlorobenzene	U		0.00594	0.0280	25	12/04/2017 16:51	WG1049339
Chlorodibromomethane	U		0.0104	0.0280	25	12/04/2017 16:51	WG1049339
Chloroethane	U		0.0264	0.140	25	12/04/2017 16:51	WG1049339
Chloroform	U		0.00641	0.140	25	12/04/2017 16:51	WG1049339
Chloromethane	U		0.0105	0.0700	25	12/04/2017 16:51	WG1049339
2-Chlorotoluene	U		0.00843	0.0280	25	12/04/2017 16:51	WG1049339
4-Chlorotoluene	U		0.00672	0.0280	25	12/04/2017 16:51	WG1049339
1,2-Dibromo-3-Chloropropane	U		0.0294	0.140	25	12/04/2017 16:51	WG1049339
1,2-Dibromoethane	U		0.00961	0.0280	25	12/04/2017 16:51	WG1049339
Dibromomethane	U		0.0107	0.0280	25	12/04/2017 16:51	WG1049339
1,2-Dichlorobenzene	U		0.00854	0.0280	25	12/04/2017 16:51	WG1049339
1,3-Dichlorobenzene	U		0.00670	0.0280	25	12/04/2017 16:51	WG1049339
1,4-Dichlorobenzene	U		0.00633	0.0280	25	12/04/2017 16:51	WG1049339
Dichlorodifluoromethane	U		0.0199	0.140	25	12/04/2017 16:51	WG1049339
1,1-Dichloroethane	U		0.00558	0.0280	25	12/04/2017 16:51	WG1049339
1,2-Dichloroethane	U		0.00742	0.0280	25	12/04/2017 16:51	WG1049339
1,1-Dichloroethene	U		0.00849	0.0280	25	12/04/2017 16:51	WG1049339
cis-1,2-Dichloroethene	2.18		0.00659	0.0280	25	12/04/2017 16:51	WG1049339
trans-1,2-Dichloroethene	U		0.00739	0.0280	25	12/04/2017 16:51	WG1049339
1,2-Dichloropropane	U		0.0100	0.0280	25	12/04/2017 16:51	WG1049339
1,1-Dichloropropene	U		0.00887	0.0280	25	12/04/2017 16:51	WG1049339
1,3-Dichloropropane	U		0.00580	0.0280	25	12/04/2017 16:51	WG1049339
cis-1,3-Dichloropropene	U		0.00734	0.0280	25	12/04/2017 16:51	WG1049339
trans-1,3-Dichloropropene	U		0.00748	0.0280	25	12/04/2017 16:51	WG1049339
trans-1,4-Dichloro-2-butene	U		0.0217	0.0700	25	12/04/2017 16:51	WG1049339
2,2-Dichloropropane	U		0.00782	0.0280	25	12/04/2017 16:51	WG1049339
Di-isopropyl ether	U		0.00695	0.0280	25	12/04/2017 16:51	WG1049339
Ethylbenzene	U		0.00831	0.0280	25	12/04/2017 16:51	WG1049339
Hexachloro-1,3-butadiene	U		0.00958	0.0280	25	12/04/2017 16:51	WG1049339
2-Hexanone	U		0.0383	0.280	25	12/04/2017 16:51	WG1049339
n-Hexane	U		0.00812	0.280	25	12/04/2017 16:51	WG1049339
Iodomethane	U		0.0708	0.280	25	12/04/2017 16:51	WG1049339
Isopropylbenzene	U		0.00681	0.0280	25	12/04/2017 16:51	WG1049339
p-Isopropyltoluene	U		0.00571	0.0280	25	12/04/2017 16:51	WG1049339
2-Butanone (MEK)	U		0.131	0.280	25	12/04/2017 16:51	WG1049339
Methylene Chloride	U		0.0280	0.140	25	12/04/2017 16:51	WG1049339
4-Methyl-2-pentanone (MIBK)	U		0.0527	0.280	25	12/04/2017 16:51	WG1049339

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

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.00594	0.0280	25	12/04/2017 16:51	WG1049339
Naphthalene	U		0.0280	0.140	25	12/04/2017 16:51	WG1049339
n-Propylbenzene	U		0.00577	0.0280	25	12/04/2017 16:51	WG1049339
Styrene	U		0.00655	0.0280	25	12/04/2017 16:51	WG1049339
1,1,1,2-Tetrachloroethane	U		0.00739	0.0280	25	12/04/2017 16:51	WG1049339
1,1,2,2-Tetrachloroethane	U		0.0102	0.0280	25	12/04/2017 16:51	WG1049339
1,1,2-Trichlorotrifluoroethane	U		0.0102	0.0280	25	12/04/2017 16:51	WG1049339
Tetrachloroethene	0.438		0.00773	0.0280	25	12/04/2017 16:51	WG1049339
Toluene	U		0.0121	0.140	25	12/04/2017 16:51	WG1049339
1,2,3-Trichlorobenzene	U		0.00857	0.0280	25	12/04/2017 16:51	WG1049339
1,2,4-Trichlorobenzene	U		0.0109	0.0280	25	12/04/2017 16:51	WG1049339
1,1,1-Trichloroethane	U		0.00801	0.0280	25	12/04/2017 16:51	WG1049339
1,1,2-Trichloroethane	U		0.00775	0.0280	25	12/04/2017 16:51	WG1049339
Trichloroethene	0.118		0.00782	0.0280	25	12/04/2017 16:51	WG1049339
Trichlorofluoromethane	U		0.0107	0.140	25	12/04/2017 16:51	WG1049339
1,2,3-Trichloropropane	U		0.0207	0.0700	25	12/04/2017 16:51	WG1049339
1,2,4-Trimethylbenzene	U		0.00592	0.0280	25	12/04/2017 16:51	WG1049339
1,2,3-Trimethylbenzene	U		0.00804	0.0280	25	12/04/2017 16:51	WG1049339
1,3,5-Trimethylbenzene	U		0.00745	0.0280	25	12/04/2017 16:51	WG1049339
Vinyl acetate	U		0.0670	0.280	25	12/04/2017 16:51	WG1049339
Vinyl chloride	0.0114	J	0.00816	0.0280	25	12/04/2017 16:51	WG1049339
Xylenes, Total	U		0.0195	0.0840	25	12/04/2017 16:51	WG1049339
(S) Toluene-d8	*106*			*80.0-120*		*12/04/2017 16:51*	WG1049339
(S) Dibromofluoromethane	*96.7*			*74.0-131*		*12/04/2017 16:51*	WG1049339
(S) 4-Bromofluorobenzene	*91.3*			*64.0-132*		*12/04/2017 16:51*	WG1049339

Sample Narrative:

L954694-12 WG1049339: Cannot be analyzed at a lower dilution due to high levels of target analytes.

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

Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch
Analyte	%			date / time	
Total Solids	86.2		1	12/07/2017 13:01	WG1050628

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

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.661	3.31	57	12/06/2017 19:11	WG1049339
Acrylonitrile	U		0.118	0.661	57	12/06/2017 19:11	WG1049339
Benzene	U		0.0179	0.0661	57	12/06/2017 19:11	WG1049339
Bromobenzene	U		0.0188	0.0661	57	12/06/2017 19:11	WG1049339
Bromodichloromethane	U		0.0168	0.0661	57	12/06/2017 19:11	WG1049339
Bromochloromethane	U		0.0258	0.331	57	12/06/2017 19:11	WG1049339
Bromoform	U		0.0281	0.0661	57	12/06/2017 19:11	WG1049339
Bromomethane	U		0.0886	0.331	57	12/06/2017 19:11	WG1049339
n-Butylbenzene	U		0.0171	0.0661	57	12/06/2017 19:11	WG1049339
sec-Butylbenzene	U		0.0132	0.0661	57	12/06/2017 19:11	WG1049339
tert-Butylbenzene	U		0.0136	0.0661	57	12/06/2017 19:11	WG1049339
Carbon disulfide	U		0.0146	0.0661	57	12/06/2017 19:11	WG1049339
Carbon tetrachloride	U		0.0217	0.0661	57	12/06/2017 19:11	WG1049339
Chlorobenzene	U		0.0140	0.0661	57	12/06/2017 19:11	WG1049339
Chlorodibromomethane	U		0.0247	0.0661	57	12/06/2017 19:11	WG1049339
Chloroethane	U		0.0625	0.331	57	12/06/2017 19:11	WG1049339
Chloroform	U		0.0151	0.331	57	12/06/2017 19:11	WG1049339
Chloromethane	U		0.0248	0.165	57	12/06/2017 19:11	WG1049339
2-Chlorotoluene	U		0.0200	0.0661	57	12/06/2017 19:11	WG1049339
4-Chlorotoluene	U		0.0159	0.0661	57	12/06/2017 19:11	WG1049339
1,2-Dibromo-3-Chloropropane	U		0.0694	0.331	57	12/06/2017 19:11	WG1049339
1,2-Dibromoethane	U		0.0227	0.0661	57	12/06/2017 19:11	WG1049339
Dibromomethane	U		0.0253	0.0661	57	12/06/2017 19:11	WG1049339
1,2-Dichlorobenzene	U		0.0202	0.0661	57	12/06/2017 19:11	WG1049339
1,3-Dichlorobenzene	U		0.0158	0.0661	57	12/06/2017 19:11	WG1049339
1,4-Dichlorobenzene	U		0.0150	0.0661	57	12/06/2017 19:11	WG1049339
Dichlorodifluoromethane	U		0.0471	0.331	57	12/06/2017 19:11	WG1049339
1,1-Dichloroethane	U		0.0131	0.0661	57	12/06/2017 19:11	WG1049339
1,2-Dichloroethane	U		0.0175	0.0661	57	12/06/2017 19:11	WG1049339
1,1-Dichloroethene	U		0.0201	0.0661	57	12/06/2017 19:11	WG1049339
cis-1,2-Dichloroethene	0.911		0.0155	0.0661	57	12/06/2017 19:11	WG1049339
trans-1,2-Dichloroethene	U		0.0174	0.0661	57	12/06/2017 19:11	WG1049339
1,2-Dichloropropane	U		0.0237	0.0661	57	12/06/2017 19:11	WG1049339
1,1-Dichloropropene	U		0.0210	0.0661	57	12/06/2017 19:11	WG1049339
1,3-Dichloropropane	U		0.0137	0.0661	57	12/06/2017 19:11	WG1049339
cis-1,3-Dichloropropene	U		0.0173	0.0661	57	12/06/2017 19:11	WG1049339
trans-1,3-Dichloropropene	U		0.0176	0.0661	57	12/06/2017 19:11	WG1049339
trans-1,4-Dichloro-2-butene	U		0.0514	0.165	57	12/06/2017 19:11	WG1049339
2,2-Dichloropropane	U		0.0184	0.0661	57	12/06/2017 19:11	WG1049339
Di-isopropyl ether	U		0.0164	0.0661	57	12/06/2017 19:11	WG1049339
Ethylbenzene	U		0.0196	0.0661	57	12/06/2017 19:11	WG1049339
Hexachloro-1,3-butadiene	U		0.0226	0.0661	57	12/06/2017 19:11	WG1049339
2-Hexanone	U		0.0906	0.661	57	12/06/2017 19:11	WG1049339
n-Hexane	0.0214	J	0.0191	0.661	57	12/06/2017 19:11	WG1049339
Iodomethane	U		0.167	0.661	57	12/06/2017 19:11	WG1049339
Isopropylbenzene	U		0.0160	0.0661	57	12/06/2017 19:11	WG1049339
p-Isopropyltoluene	U		0.0135	0.0661	57	12/06/2017 19:11	WG1049339
2-Butanone (MEK)	U		0.310	0.661	57	12/06/2017 19:11	WG1049339
Methylene Chloride	U		0.0661	0.331	57	12/06/2017 19:11	WG1049339
4-Methyl-2-pentanone (MIBK)	U		0.124	0.661	57	12/06/2017 19:11	WG1049339

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.0140	0.0661	57	12/06/2017 19:11	WG1049339
Naphthalene	U		0.0661	0.331	57	12/06/2017 19:11	WG1049339
n-Propylbenzene	U		0.0136	0.0661	57	12/06/2017 19:11	WG1049339
Styrene	U		0.0154	0.0661	57	12/06/2017 19:11	WG1049339
1,1,1,2-Tetrachloroethane	U		0.0174	0.0661	57	12/06/2017 19:11	WG1049339
1,1,2,2-Tetrachloroethane	U		0.0241	0.0661	57	12/06/2017 19:11	WG1049339
1,1,2-Trichlorotrifluoroethane	U		0.0241	0.0661	57	12/06/2017 19:11	WG1049339
Tetrachloroethene	0.728		0.0182	0.0661	57	12/06/2017 19:11	WG1049339
Toluene	U		0.0287	0.331	57	12/06/2017 19:11	WG1049339
1,2,3-Trichlorobenzene	U		0.0202	0.0661	57	12/06/2017 19:11	WG1049339
1,2,4-Trichlorobenzene	U		0.0256	0.0661	57	12/06/2017 19:11	WG1049339
1,1,1-Trichloroethane	U		0.0189	0.0661	57	12/06/2017 19:11	WG1049339
1,1,2-Trichloroethane	U		0.0183	0.0661	57	12/06/2017 19:11	WG1049339
Trichloroethene	0.180		0.0184	0.0661	57	12/06/2017 19:11	WG1049339
Trichlorofluoromethane	U		0.0253	0.331	57	12/06/2017 19:11	WG1049339
1,2,3-Trichloropropane	U		0.0490	0.165	57	12/06/2017 19:11	WG1049339
1,2,4-Trimethylbenzene	U		0.0139	0.0661	57	12/06/2017 19:11	WG1049339
1,2,3-Trimethylbenzene	U		0.0190	0.0661	57	12/06/2017 19:11	WG1049339
1,3,5-Trimethylbenzene	U		0.0176	0.0661	57	12/06/2017 19:11	WG1049339
Vinyl acetate	U		0.158	0.661	57	12/06/2017 19:11	WG1049339
Vinyl chloride	0.0458	J	0.0193	0.0661	57	12/06/2017 19:11	WG1049339
Xylenes, Total	U		0.0462	0.198	57	12/06/2017 19:11	WG1049339
(S) Toluene-d8	*105*			*80.0-120*		*12/06/2017 19:11*	WG1049339
(S) Dibromofluoromethane	*98.9*			*74.0-131*		*12/06/2017 19:11*	WG1049339
(S) 4-Bromofluorobenzene	*91.6*			*64.0-132*		*12/06/2017 19:11*	WG1049339

Sample Narrative:

L954694-13 WG1049339: Cannot be analyzed at a lower dilution due to high levels of target analytes.

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

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	86.1		1	12/07/2017 13:01	WG1050628

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0116	0.0581	1	12/06/2017 17:40	WG1049339
Acrylonitrile	U		0.00208	0.0116	1	12/06/2017 17:40	WG1049339
Benzene	U		0.000314	0.00116	1	12/06/2017 17:40	WG1049339
Bromobenzene	U		0.000330	0.00116	1	12/06/2017 17:40	WG1049339
Bromodichloromethane	U		0.000295	0.00116	1	12/06/2017 17:40	WG1049339
Bromochloromethane	U		0.000453	0.00581	1	12/06/2017 17:40	WG1049339
Bromoform	U		0.000492	0.00116	1	12/06/2017 17:40	WG1049339
Bromomethane	U		0.00156	0.00581	1	12/06/2017 17:40	WG1049339
n-Butylbenzene	U		0.000300	0.00116	1	12/06/2017 17:40	WG1049339
sec-Butylbenzene	U		0.000233	0.00116	1	12/06/2017 17:40	WG1049339
tert-Butylbenzene	U		0.000239	0.00116	1	12/06/2017 17:40	WG1049339
Carbon disulfide	0.000687	J	0.000257	0.00116	1	12/06/2017 17:40	WG1049339
Carbon tetrachloride	U		0.000381	0.00116	1	12/06/2017 17:40	WG1049339
Chlorobenzene	U		0.000246	0.00116	1	12/06/2017 17:40	WG1049339
Chlorodibromomethane	U		0.000433	0.00116	1	12/06/2017 17:40	WG1049339
Chloroethane	0.00193	J	0.00110	0.00581	1	12/06/2017 17:40	WG1049339
Chloroform	U		0.000266	0.00581	1	12/06/2017 17:40	WG1049339
Chloromethane	U		0.000435	0.00290	1	12/06/2017 17:40	WG1049339
2-Chlorotoluene	U		0.000350	0.00116	1	12/06/2017 17:40	WG1049339
4-Chlorotoluene	U		0.000279	0.00116	1	12/06/2017 17:40	WG1049339
1,2-Dibromo-3-Chloropropane	U		0.00122	0.00581	1	12/06/2017 17:40	WG1049339
1,2-Dibromoethane	U		0.000398	0.00116	1	12/06/2017 17:40	WG1049339
Dibromomethane	U		0.000444	0.00116	1	12/06/2017 17:40	WG1049339
1,2-Dichlorobenzene	U		0.000354	0.00116	1	12/06/2017 17:40	WG1049339
1,3-Dichlorobenzene	U		0.000278	0.00116	1	12/06/2017 17:40	WG1049339
1,4-Dichlorobenzene	U		0.000262	0.00116	1	12/06/2017 17:40	WG1049339
Dichlorodifluoromethane	U		0.000828	0.00581	1	12/06/2017 17:40	WG1049339
1,1-Dichloroethane	U		0.000231	0.00116	1	12/06/2017 17:40	WG1049339
1,2-Dichloroethane	U		0.000308	0.00116	1	12/06/2017 17:40	WG1049339
1,1-Dichloroethene	0.000948	J	0.000352	0.00116	1	12/06/2017 17:40	WG1049339
cis-1,2-Dichloroethene	0.122		0.000273	0.00116	1	12/06/2017 17:40	WG1049339
trans-1,2-Dichloroethene	0.000898	J	0.000307	0.00116	1	12/06/2017 17:40	WG1049339
1,2-Dichloropropane	U		0.000416	0.00116	1	12/06/2017 17:40	WG1049339
1,1-Dichloropropene	U		0.000368	0.00116	1	12/06/2017 17:40	WG1049339
1,3-Dichloropropane	U		0.000240	0.00116	1	12/06/2017 17:40	WG1049339
cis-1,3-Dichloropropene	U		0.000304	0.00116	1	12/06/2017 17:40	WG1049339
trans-1,3-Dichloropropene	U		0.000310	0.00116	1	12/06/2017 17:40	WG1049339
trans-1,4-Dichloro-2-butene	U		0.000903	0.00290	1	12/06/2017 17:40	WG1049339
2,2-Dichloropropane	U		0.000324	0.00116	1	12/06/2017 17:40	WG1049339
Di-isopropyl ether	U		0.000288	0.00116	1	12/06/2017 17:40	WG1049339
Ethylbenzene	U		0.000345	0.00116	1	12/06/2017 17:40	WG1049339
Hexachloro-1,3-butadiene	U		0.000397	0.00116	1	12/06/2017 17:40	WG1049339
2-Hexanone	U		0.00159	0.0116	1	12/06/2017 17:40	WG1049339
n-Hexane	0.00165	J	0.000337	0.0116	1	12/06/2017 17:40	WG1049339
Iodomethane	U		0.00294	0.0116	1	12/06/2017 17:40	WG1049339
Isopropylbenzene	U		0.000282	0.00116	1	12/06/2017 17:40	WG1049339
p-Isopropyltoluene	U		0.000237	0.00116	1	12/06/2017 17:40	WG1049339
2-Butanone (MEK)	0.00630	J	0.00543	0.0116	1	12/06/2017 17:40	WG1049339
Methylene Chloride	U		0.00116	0.00581	1	12/06/2017 17:40	WG1049339
4-Methyl-2-pentanone (MIBK)	U		0.00218	0.0116	1	12/06/2017 17:40	WG1049339

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000246	0.00116	1	12/06/2017 17:40	WG1049339
Naphthalene	U		0.00116	0.00581	1	12/06/2017 17:40	WG1049339
n-Propylbenzene	U		0.000239	0.00116	1	12/06/2017 17:40	WG1049339
Styrene	U		0.000272	0.00116	1	12/06/2017 17:40	WG1049339
1,1,1,2-Tetrachloroethane	U		0.000307	0.00116	1	12/06/2017 17:40	WG1049339
1,1,2,2-Tetrachloroethane	U		0.000424	0.00116	1	12/06/2017 17:40	WG1049339
1,1,2-Trichlorotrifluoroethane	U		0.000424	0.00116	1	12/06/2017 17:40	WG1049339
Tetrachloroethene	0.119		0.000321	0.00116	1	12/06/2017 17:40	WG1049339
Toluene	U		0.000504	0.00581	1	12/06/2017 17:40	WG1049339
1,2,3-Trichlorobenzene	U		0.000355	0.00116	1	12/06/2017 17:40	WG1049339
1,2,4-Trichlorobenzene	U		0.000451	0.00116	1	12/06/2017 17:40	WG1049339
1,1,1-Trichloroethane	U		0.000332	0.00116	1	12/06/2017 17:40	WG1049339
1,1,2-Trichloroethane	U		0.000322	0.00116	1	12/06/2017 17:40	WG1049339
Trichloroethene	0.0177		0.000324	0.00116	1	12/06/2017 17:40	WG1049339
Trichlorofluoromethane	U		0.000444	0.00581	1	12/06/2017 17:40	WG1049339
1,2,3-Trichloropropane	U		0.000860	0.00290	1	12/06/2017 17:40	WG1049339
1,2,4-Trimethylbenzene	U		0.000245	0.00116	1	12/06/2017 17:40	WG1049339
1,2,3-Trimethylbenzene	U		0.000333	0.00116	1	12/06/2017 17:40	WG1049339
1,3,5-Trimethylbenzene	U		0.000309	0.00116	1	12/06/2017 17:40	WG1049339
Vinyl acetate	U		0.00278	0.0116	1	12/06/2017 17:40	WG1049339
Vinyl chloride	0.00996		0.000338	0.00116	1	12/06/2017 17:40	WG1049339
Xylenes, Total	U		0.000811	0.00348	1	12/06/2017 17:40	WG1049339
(S) Toluene-d8	*97.1*			*80.0-120*		*12/06/2017 17:40*	WG1049339
(S) Dibromofluoromethane	*107*			*74.0-131*		*12/06/2017 17:40*	WG1049339
(S) 4-Bromofluorobenzene	*92.2*			*64.0-132*		*12/06/2017 17:40*	WG1049339

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

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	88.7		1	12/07/2017 13:13	WG1050624

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0564	1	12/04/2017 16:32	WG1049339
Acrylonitrile	U		0.00202	0.0113	1	12/04/2017 16:32	WG1049339
Benzene	U		0.000305	0.00113	1	12/04/2017 16:32	WG1049339
Bromobenzene	U		0.000320	0.00113	1	12/04/2017 16:32	WG1049339
Bromodichloromethane	U		0.000287	0.00113	1	12/04/2017 16:32	WG1049339
Bromochloromethane	U		0.000440	0.00564	1	12/04/2017 16:32	WG1049339
Bromoform	U		0.000478	0.00113	1	12/04/2017 16:32	WG1049339
Bromomethane	U		0.00151	0.00564	1	12/04/2017 16:32	WG1049339
n-Butylbenzene	U		0.000291	0.00113	1	12/04/2017 16:32	WG1049339
sec-Butylbenzene	U		0.000227	0.00113	1	12/04/2017 16:32	WG1049339
tert-Butylbenzene	U		0.000232	0.00113	1	12/04/2017 16:32	WG1049339
Carbon disulfide	U		0.000249	0.00113	1	12/04/2017 16:32	WG1049339
Carbon tetrachloride	U		0.000370	0.00113	1	12/04/2017 16:32	WG1049339
Chlorobenzene	U		0.000239	0.00113	1	12/04/2017 16:32	WG1049339
Chlorodibromomethane	U		0.000421	0.00113	1	12/04/2017 16:32	WG1049339
Chloroethane	U		0.00107	0.00564	1	12/04/2017 16:32	WG1049339
Chloroform	U		0.000258	0.00564	1	12/04/2017 16:32	WG1049339
Chloromethane	U		0.000423	0.00282	1	12/04/2017 16:32	WG1049339
2-Chlorotoluene	U		0.000340	0.00113	1	12/04/2017 16:32	WG1049339
4-Chlorotoluene	U		0.000271	0.00113	1	12/04/2017 16:32	WG1049339
1,2-Dibromo-3-Chloropropane	U		0.00118	0.00564	1	12/04/2017 16:32	WG1049339
1,2-Dibromoethane	U		0.000387	0.00113	1	12/04/2017 16:32	WG1049339
Dibromomethane	U		0.000431	0.00113	1	12/04/2017 16:32	WG1049339
1,2-Dichlorobenzene	U		0.000344	0.00113	1	12/04/2017 16:32	WG1049339
1,3-Dichlorobenzene	U		0.000270	0.00113	1	12/04/2017 16:32	WG1049339
1,4-Dichlorobenzene	U		0.000255	0.00113	1	12/04/2017 16:32	WG1049339
Dichlorodifluoromethane	U		0.000804	0.00564	1	12/04/2017 16:32	WG1049339
1,1-Dichloroethane	U		0.000224	0.00113	1	12/04/2017 16:32	WG1049339
1,2-Dichloroethane	U		0.000299	0.00113	1	12/04/2017 16:32	WG1049339
1,1-Dichloroethene	U		0.000342	0.00113	1	12/04/2017 16:32	WG1049339
cis-1,2-Dichloroethene	0.00245		0.000265	0.00113	1	12/04/2017 16:32	WG1049339
trans-1,2-Dichloroethene	U		0.000298	0.00113	1	12/04/2017 16:32	WG1049339
1,2-Dichloropropane	U		0.000404	0.00113	1	12/04/2017 16:32	WG1049339
1,1-Dichloropropene	U		0.000358	0.00113	1	12/04/2017 16:32	WG1049339
1,3-Dichloropropane	U		0.000233	0.00113	1	12/04/2017 16:32	WG1049339
cis-1,3-Dichloropropene	U		0.000296	0.00113	1	12/04/2017 16:32	WG1049339
trans-1,3-Dichloropropene	U		0.000301	0.00113	1	12/04/2017 16:32	WG1049339
trans-1,4-Dichloro-2-butene	U		0.000878	0.00282	1	12/04/2017 16:32	WG1049339
2,2-Dichloropropane	U		0.000315	0.00113	1	12/04/2017 16:32	WG1049339
Di-isopropyl ether	U		0.000280	0.00113	1	12/04/2017 16:32	WG1049339
Ethylbenzene	U		0.000335	0.00113	1	12/04/2017 16:32	WG1049339
Hexachloro-1,3-butadiene	U		0.000386	0.00113	1	12/04/2017 16:32	WG1049339
2-Hexanone	U		0.00155	0.0113	1	12/04/2017 16:32	WG1049339
n-Hexane	U		0.000327	0.0113	1	12/04/2017 16:32	WG1049339
Iodomethane	U		0.00285	0.0113	1	12/04/2017 16:32	WG1049339
Isopropylbenzene	U		0.000274	0.00113	1	12/04/2017 16:32	WG1049339
p-Isopropyltoluene	U		0.000230	0.00113	1	12/04/2017 16:32	WG1049339
2-Butanone (MEK)	U		0.00528	0.0113	1	12/04/2017 16:32	WG1049339
Methylene Chloride	U		0.00113	0.00564	1	12/04/2017 16:32	WG1049339
4-Methyl-2-pentanone (MIBK)	U		0.00212	0.0113	1	12/04/2017 16:32	WG1049339

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

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000239	0.00113	1	12/04/2017 16:32	WG1049339
Naphthalene	U		0.00113	0.00564	1	12/04/2017 16:32	WG1049339
n-Propylbenzene	U		0.000232	0.00113	1	12/04/2017 16:32	WG1049339
Styrene	U		0.000264	0.00113	1	12/04/2017 16:32	WG1049339
1,1,1,2-Tetrachloroethane	U		0.000298	0.00113	1	12/04/2017 16:32	WG1049339
1,1,2,2-Tetrachloroethane	U		0.000412	0.00113	1	12/04/2017 16:32	WG1049339
1,1,2-Trichlorotrifluoroethane	U		0.000412	0.00113	1	12/04/2017 16:32	WG1049339
Tetrachloroethene	0.0182		0.000311	0.00113	1	12/04/2017 16:32	WG1049339
Toluene	U		0.000490	0.00564	1	12/04/2017 16:32	WG1049339
1,2,3-Trichlorobenzene	U		0.000345	0.00113	1	12/04/2017 16:32	WG1049339
1,2,4-Trichlorobenzene	U		0.000438	0.00113	1	12/04/2017 16:32	WG1049339
1,1,1-Trichloroethane	U		0.000323	0.00113	1	12/04/2017 16:32	WG1049339
1,1,2-Trichloroethane	U		0.000312	0.00113	1	12/04/2017 16:32	WG1049339
Trichloroethene	0.00140		0.000315	0.00113	1	12/04/2017 16:32	WG1049339
Trichlorofluoromethane	U		0.000431	0.00564	1	12/04/2017 16:32	WG1049339
1,2,3-Trichloropropane	U		0.000836	0.00282	1	12/04/2017 16:32	WG1049339
1,2,4-Trimethylbenzene	U		0.000238	0.00113	1	12/04/2017 16:32	WG1049339
1,2,3-Trimethylbenzene	U		0.000324	0.00113	1	12/04/2017 16:32	WG1049339
1,3,5-Trimethylbenzene	U		0.000300	0.00113	1	12/04/2017 16:32	WG1049339
Vinyl acetate	U		0.00270	0.0113	1	12/04/2017 16:32	WG1049339
Vinyl chloride	0.00142		0.000328	0.00113	1	12/04/2017 16:32	WG1049339
Xylenes, Total	U		0.000787	0.00338	1	12/04/2017 16:32	WG1049339
(S) Toluene-d8	*96.9*			*80.0-120*		*12/04/2017 16:32*	WG1049339
(S) Dibromofluoromethane	*108*			*74.0-131*		*12/04/2017 16:32*	WG1049339
(S) 4-Bromofluorobenzene	*93.2*			*64.0-132*		*12/04/2017 16:32*	WG1049339

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	88.2		1	12/07/2017 12:28	WG1050630

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0567	1	12/04/2017 14:43	WG1049340
Acrylonitrile	U		0.00203	0.0113	1	12/04/2017 14:43	WG1049340
Benzene	U		0.000306	0.00113	1	12/04/2017 14:43	WG1049340
Bromobenzene	U		0.000322	0.00113	1	12/04/2017 14:43	WG1049340
Bromodichloromethane	U		0.000288	0.00113	1	12/04/2017 14:43	WG1049340
Bromochloromethane	U		0.000442	0.00567	1	12/04/2017 14:43	WG1049340
Bromoform	U		0.000481	0.00113	1	12/04/2017 14:43	WG1049340
Bromomethane	U		0.00152	0.00567	1	12/04/2017 14:43	WG1049340
n-Butylbenzene	U		0.000293	0.00113	1	12/04/2017 14:43	WG1049340
sec-Butylbenzene	U		0.000228	0.00113	1	12/04/2017 14:43	WG1049340
tert-Butylbenzene	U		0.000234	0.00113	1	12/04/2017 14:43	WG1049340
Carbon disulfide	0.000409	J	0.000251	0.00113	1	12/04/2017 14:43	WG1049340
Carbon tetrachloride	U		0.000372	0.00113	1	12/04/2017 14:43	WG1049340
Chlorobenzene	U		0.000240	0.00113	1	12/04/2017 14:43	WG1049340
Chlorodibromomethane	U		0.000423	0.00113	1	12/04/2017 14:43	WG1049340
Chloroethane	U		0.00107	0.00567	1	12/04/2017 14:43	WG1049340
Chloroform	U		0.000260	0.00567	1	12/04/2017 14:43	WG1049340
Chloromethane	U		0.000425	0.00283	1	12/04/2017 14:43	WG1049340
2-Chlorotoluene	U		0.000341	0.00113	1	12/04/2017 14:43	WG1049340
4-Chlorotoluene	U		0.000272	0.00113	1	12/04/2017 14:43	WG1049340
1,2-Dibromo-3-Chloropropane	U		0.00119	0.00567	1	12/04/2017 14:43	WG1049340
1,2-Dibromoethane	U		0.000389	0.00113	1	12/04/2017 14:43	WG1049340
Dibromomethane	U		0.000433	0.00113	1	12/04/2017 14:43	WG1049340
1,2-Dichlorobenzene	U		0.000346	0.00113	1	12/04/2017 14:43	WG1049340
1,3-Dichlorobenzene	U		0.000271	0.00113	1	12/04/2017 14:43	WG1049340
1,4-Dichlorobenzene	U		0.000256	0.00113	1	12/04/2017 14:43	WG1049340
Dichlorodifluoromethane	U		0.000809	0.00567	1	12/04/2017 14:43	WG1049340
1,1-Dichloroethane	U		0.000226	0.00113	1	12/04/2017 14:43	WG1049340
1,2-Dichloroethane	U		0.000301	0.00113	1	12/04/2017 14:43	WG1049340
1,1-Dichloroethene	U		0.000344	0.00113	1	12/04/2017 14:43	WG1049340
cis-1,2-Dichloroethene	0.0441		0.000266	0.00113	1	12/04/2017 14:43	WG1049340
trans-1,2-Dichloroethene	0.000664	J	0.000299	0.00113	1	12/04/2017 14:43	WG1049340
1,2-Dichloropropane	U		0.000406	0.00113	1	12/04/2017 14:43	WG1049340
1,1-Dichloropropene	U		0.000359	0.00113	1	12/04/2017 14:43	WG1049340
1,3-Dichloropropane	U		0.000235	0.00113	1	12/04/2017 14:43	WG1049340
cis-1,3-Dichloropropene	U		0.000297	0.00113	1	12/04/2017 14:43	WG1049340
trans-1,3-Dichloropropene	U		0.000303	0.00113	1	12/04/2017 14:43	WG1049340
trans-1,4-Dichloro-2-butene	U		0.000882	0.00283	1	12/04/2017 14:43	WG1049340
2,2-Dichloropropane	U		0.000316	0.00113	1	12/04/2017 14:43	WG1049340
Di-isopropyl ether	U		0.000281	0.00113	1	12/04/2017 14:43	WG1049340
Ethylbenzene	U		0.000337	0.00113	1	12/04/2017 14:43	WG1049340
Hexachloro-1,3-butadiene	U		0.000388	0.00113	1	12/04/2017 14:43	WG1049340
2-Hexanone	U		0.00155	0.0113	1	12/04/2017 14:43	WG1049340
n-Hexane	U		0.000329	0.0113	1	12/04/2017 14:43	WG1049340
Iodomethane	U		0.00287	0.0113	1	12/04/2017 14:43	WG1049340
Isopropylbenzene	U		0.000276	0.00113	1	12/04/2017 14:43	WG1049340
p-Isopropyltoluene	U		0.000231	0.00113	1	12/04/2017 14:43	WG1049340
2-Butanone (MEK)	0.00640	J	0.00531	0.0113	1	12/04/2017 14:43	WG1049340
Methylene Chloride	U		0.00113	0.00567	1	12/04/2017 14:43	WG1049340
4-Methyl-2-pentanone (MIBK)	U		0.00213	0.0113	1	12/04/2017 14:43	WG1049340

B-231-36

SAMPLE RESULTS - 16

Collected date/time: 11/30/17 14:45

L954694

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000240	0.00113	1	12/04/2017 14:43	WG1049340
Naphthalene	U		0.00113	0.00567	1	12/04/2017 14:43	WG1049340
n-Propylbenzene	U		0.000234	0.00113	1	12/04/2017 14:43	WG1049340
Styrene	U		0.000265	0.00113	1	12/04/2017 14:43	WG1049340
1,1,1,2-Tetrachloroethane	U		0.000299	0.00113	1	12/04/2017 14:43	WG1049340
1,1,2,2-Tetrachloroethane	U		0.000414	0.00113	1	12/04/2017 14:43	WG1049340
1,1,2-Trichlorotrifluoroethane	U		0.000414	0.00113	1	12/04/2017 14:43	WG1049340
Tetrachloroethene	0.0521		0.000313	0.00113	1	12/04/2017 14:43	WG1049340
Toluene	U		0.000492	0.00567	1	12/04/2017 14:43	WG1049340
1,2,3-Trichlorobenzene	U		0.000347	0.00113	1	12/04/2017 14:43	WG1049340
1,2,4-Trichlorobenzene	U		0.000440	0.00113	1	12/04/2017 14:43	WG1049340
1,1,1-Trichloroethane	U		0.000324	0.00113	1	12/04/2017 14:43	WG1049340
1,1,2-Trichloroethane	U		0.000314	0.00113	1	12/04/2017 14:43	WG1049340
Trichloroethene	0.00158		0.000316	0.00113	1	12/04/2017 14:43	WG1049340
Trichlorofluoromethane	U		0.000433	0.00567	1	12/04/2017 14:43	WG1049340
1,2,3-Trichloropropane	U		0.000840	0.00283	1	12/04/2017 14:43	WG1049340
1,2,4-Trimethylbenzene	U		0.000239	0.00113	1	12/04/2017 14:43	WG1049340
1,2,3-Trimethylbenzene	U		0.000325	0.00113	1	12/04/2017 14:43	WG1049340
1,3,5-Trimethylbenzene	U		0.000302	0.00113	1	12/04/2017 14:43	WG1049340
Vinyl acetate	U		0.00271	0.0113	1	12/04/2017 14:43	WG1049340
Vinyl chloride	0.118		0.000330	0.00113	1	12/04/2017 14:43	WG1049340
Xylenes, Total	U		0.000792	0.00340	1	12/04/2017 14:43	WG1049340
(S) Toluene-d8	*92.1*			*80.0-120*		*12/04/2017 14:43*	WG1049340
(S) Dibromofluoromethane	*113*			*74.0-131*		*12/04/2017 14:43*	WG1049340
(S) 4-Bromofluorobenzene	*107*			*64.0-132*		*12/04/2017 14:43*	WG1049340

B-232-6

Collected date/time: 12/01/17 09:00

SAMPLE RESULTS - 17

L954694

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	84.7		1	12/07/2017 10:59	WG1050634

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.0263	J	0.0118	0.0590	1	12/04/2017 15:03	WG1049340
Acrylonitrile	U		0.00211	0.0118	1	12/04/2017 15:03	WG1049340
Benzene	0.000380	J	0.000319	0.00118	1	12/04/2017 15:03	WG1049340
Bromobenzene	U		0.000335	0.00118	1	12/04/2017 15:03	WG1049340
Bromodichloromethane	U		0.000300	0.00118	1	12/04/2017 15:03	WG1049340
Bromochloromethane	U		0.000460	0.00590	1	12/04/2017 15:03	WG1049340
Bromoform	U		0.000501	0.00118	1	12/04/2017 15:03	WG1049340
Bromomethane	U		0.00158	0.00590	1	12/04/2017 15:03	WG1049340
n-Butylbenzene	U		0.000305	0.00118	1	12/04/2017 15:03	WG1049340
sec-Butylbenzene	U		0.000237	0.00118	1	12/04/2017 15:03	WG1049340
tert-Butylbenzene	U		0.000243	0.00118	1	12/04/2017 15:03	WG1049340
Carbon disulfide	0.00105	J	0.000261	0.00118	1	12/04/2017 15:03	WG1049340
Carbon tetrachloride	U		0.000387	0.00118	1	12/04/2017 15:03	WG1049340
Chlorobenzene	U		0.000250	0.00118	1	12/04/2017 15:03	WG1049340
Chlorodibromomethane	U		0.000440	0.00118	1	12/04/2017 15:03	WG1049340
Chloroethane	U		0.00112	0.00590	1	12/04/2017 15:03	WG1049340
Chloroform	U		0.000270	0.00590	1	12/04/2017 15:03	WG1049340
Chloromethane	U		0.000443	0.00295	1	12/04/2017 15:03	WG1049340
2-Chlorotoluene	U		0.000355	0.00118	1	12/04/2017 15:03	WG1049340
4-Chlorotoluene	U		0.000283	0.00118	1	12/04/2017 15:03	WG1049340
1,2-Dibromo-3-Chloropropane	U		0.00124	0.00590	1	12/04/2017 15:03	WG1049340
1,2-Dibromoethane	U		0.000405	0.00118	1	12/04/2017 15:03	WG1049340
Dibromomethane	U		0.000451	0.00118	1	12/04/2017 15:03	WG1049340
1,2-Dichlorobenzene	U		0.000360	0.00118	1	12/04/2017 15:03	WG1049340
1,3-Dichlorobenzene	U		0.000282	0.00118	1	12/04/2017 15:03	WG1049340
1,4-Dichlorobenzene	U		0.000267	0.00118	1	12/04/2017 15:03	WG1049340
Dichlorodifluoromethane	U		0.000842	0.00590	1	12/04/2017 15:03	WG1049340
1,1-Dichloroethane	U		0.000235	0.00118	1	12/04/2017 15:03	WG1049340
1,2-Dichloroethane	U		0.000313	0.00118	1	12/04/2017 15:03	WG1049340
1,1-Dichloroethene	U		0.000358	0.00118	1	12/04/2017 15:03	WG1049340
cis-1,2-Dichloroethene	0.00586		0.000277	0.00118	1	12/04/2017 15:03	WG1049340
trans-1,2-Dichloroethene	0.000488	J	0.000312	0.00118	1	12/04/2017 15:03	WG1049340
1,2-Dichloropropane	U		0.000423	0.00118	1	12/04/2017 15:03	WG1049340
1,1-Dichloropropene	U		0.000374	0.00118	1	12/04/2017 15:03	WG1049340
1,3-Dichloropropane	U		0.000244	0.00118	1	12/04/2017 15:03	WG1049340
cis-1,3-Dichloropropene	U		0.000309	0.00118	1	12/04/2017 15:03	WG1049340
trans-1,3-Dichloropropene	U		0.000315	0.00118	1	12/04/2017 15:03	WG1049340
trans-1,4-Dichloro-2-butene	U		0.000919	0.00295	1	12/04/2017 15:03	WG1049340
2,2-Dichloropropane	U		0.000329	0.00118	1	12/04/2017 15:03	WG1049340
Di-isopropyl ether	U		0.000293	0.00118	1	12/04/2017 15:03	WG1049340
Ethylbenzene	U		0.000351	0.00118	1	12/04/2017 15:03	WG1049340
Hexachloro-1,3-butadiene	U		0.000404	0.00118	1	12/04/2017 15:03	WG1049340
2-Hexanone	U		0.00162	0.0118	1	12/04/2017 15:03	WG1049340
n-Hexane	0.000870	J	0.000342	0.0118	1	12/04/2017 15:03	WG1049340
Iodomethane	U		0.00299	0.0118	1	12/04/2017 15:03	WG1049340
Isopropylbenzene	U		0.000287	0.00118	1	12/04/2017 15:03	WG1049340
p-Isopropyltoluene	0.00115	J	0.000241	0.00118	1	12/04/2017 15:03	WG1049340
2-Butanone (MEK)	0.00951	J	0.00553	0.0118	1	12/04/2017 15:03	WG1049340
Methylene Chloride	U		0.00118	0.00590	1	12/04/2017 15:03	WG1049340
4-Methyl-2-pentanone (MIBK)	U		0.00222	0.0118	1	12/04/2017 15:03	WG1049340

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000250	0.00118	1	12/04/2017 15:03	WG1049340
Naphthalene	U		0.00118	0.00590	1	12/04/2017 15:03	WG1049340
n-Propylbenzene	U		0.000243	0.00118	1	12/04/2017 15:03	WG1049340
Styrene	U		0.000276	0.00118	1	12/04/2017 15:03	WG1049340
1,1,1,2-Tetrachloroethane	U		0.000312	0.00118	1	12/04/2017 15:03	WG1049340
1,1,2,2-Tetrachloroethane	U		0.000431	0.00118	1	12/04/2017 15:03	WG1049340
1,1,2-Trichlorotrifluoroethane	U		0.000431	0.00118	1	12/04/2017 15:03	WG1049340
Tetrachloroethene	0.00936		0.000326	0.00118	1	12/04/2017 15:03	WG1049340
Toluene	0.00268	J	0.000512	0.00590	1	12/04/2017 15:03	WG1049340
1,2,3-Trichlorobenzene	U		0.000361	0.00118	1	12/04/2017 15:03	WG1049340
1,2,4-Trichlorobenzene	U		0.000458	0.00118	1	12/04/2017 15:03	WG1049340
1,1,1-Trichloroethane	U		0.000338	0.00118	1	12/04/2017 15:03	WG1049340
1,1,2-Trichloroethane	U		0.000327	0.00118	1	12/04/2017 15:03	WG1049340
Trichloroethene	0.00224		0.000329	0.00118	1	12/04/2017 15:03	WG1049340
Trichlorofluoromethane	U		0.000451	0.00590	1	12/04/2017 15:03	WG1049340
1,2,3-Trichloropropane	U		0.000875	0.00295	1	12/04/2017 15:03	WG1049340
1,2,4-Trimethylbenzene	0.000571	J	0.000249	0.00118	1	12/04/2017 15:03	WG1049340
1,2,3-Trimethylbenzene	0.000734	J	0.000339	0.00118	1	12/04/2017 15:03	WG1049340
1,3,5-Trimethylbenzene	U		0.000314	0.00118	1	12/04/2017 15:03	WG1049340
Vinyl acetate	U		0.00282	0.0118	1	12/04/2017 15:03	WG1049340
Vinyl chloride	0.00163		0.000344	0.00118	1	12/04/2017 15:03	WG1049340
Xylenes, Total	0.000825	J	0.000824	0.00354	1	12/04/2017 15:03	WG1049340
(S) Toluene-d8	*97.5*			*80.0-120*		*12/04/2017 15:03*	WG1049340
(S) Dibromofluoromethane	*116*			*74.0-131*		*12/04/2017 15:03*	WG1049340
(S) 4-Bromofluorobenzene	*115*			*64.0-132*		*12/04/2017 15:03*	WG1049340

B-232-11

Collected date/time: 12/01/17 09:10

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

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	75.2		1	12/07/2017 13:13	WG1050624

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.0206	J V3	0.0133	0.0665	1	12/05/2017 15:28	WG1049340
Acrylonitrile	U		0.00238	0.0133	1	12/05/2017 15:28	WG1049340
Benzene	0.000630	J V3	0.000359	0.00133	1	12/05/2017 15:28	WG1049340
Bromobenzene	U		0.000378	0.00133	1	12/05/2017 15:28	WG1049340
Bromodichloromethane	U		0.000338	0.00133	1	12/05/2017 15:28	WG1049340
Bromochloromethane	U		0.000519	0.00665	1	12/05/2017 15:28	WG1049340
Bromoform	U		0.000564	0.00133	1	12/05/2017 15:28	WG1049340
Bromomethane	U		0.00178	0.00665	1	12/05/2017 15:28	WG1049340
n-Butylbenzene	U		0.000343	0.00133	1	12/05/2017 15:28	WG1049340
sec-Butylbenzene	U		0.000267	0.00133	1	12/05/2017 15:28	WG1049340
tert-Butylbenzene	U		0.000274	0.00133	1	12/05/2017 15:28	WG1049340
Carbon disulfide	0.00310	V3	0.000294	0.00133	1	12/05/2017 15:28	WG1049340
Carbon tetrachloride	U		0.000436	0.00133	1	12/05/2017 15:28	WG1049340
Chlorobenzene	U		0.000282	0.00133	1	12/05/2017 15:28	WG1049340
Chlorodibromomethane	U		0.000496	0.00133	1	12/05/2017 15:28	WG1049340
Chloroethane	U		0.00126	0.00665	1	12/05/2017 15:28	WG1049340
Chloroform	U		0.000305	0.00665	1	12/05/2017 15:28	WG1049340
Chloromethane	U		0.000499	0.00333	1	12/05/2017 15:28	WG1049340
2-Chlorotoluene	U		0.000400	0.00133	1	12/05/2017 15:28	WG1049340
4-Chlorotoluene	U		0.000319	0.00133	1	12/05/2017 15:28	WG1049340
1,2-Dibromo-3-Chloropropane	U		0.00140	0.00665	1	12/05/2017 15:28	WG1049340
1,2-Dibromoethane	U		0.000456	0.00133	1	12/05/2017 15:28	WG1049340
Dibromomethane	U		0.000508	0.00133	1	12/05/2017 15:28	WG1049340
1,2-Dichlorobenzene	U		0.000406	0.00133	1	12/05/2017 15:28	WG1049340
1,3-Dichlorobenzene	U		0.000318	0.00133	1	12/05/2017 15:28	WG1049340
1,4-Dichlorobenzene	U		0.000301	0.00133	1	12/05/2017 15:28	WG1049340
Dichlorodifluoromethane	U		0.000949	0.00665	1	12/05/2017 15:28	WG1049340
1,1-Dichloroethane	U		0.000265	0.00133	1	12/05/2017 15:28	WG1049340
1,2-Dichloroethane	U		0.000353	0.00133	1	12/05/2017 15:28	WG1049340
1,1-Dichloroethene	U		0.000403	0.00133	1	12/05/2017 15:28	WG1049340
cis-1,2-Dichloroethene	0.00464	V3	0.000313	0.00133	1	12/05/2017 15:28	WG1049340
trans-1,2-Dichloroethene	U		0.000351	0.00133	1	12/05/2017 15:28	WG1049340
1,2-Dichloropropane	U		0.000476	0.00133	1	12/05/2017 15:28	WG1049340
1,1-Dichloropropene	U		0.000422	0.00133	1	12/05/2017 15:28	WG1049340
1,3-Dichloropropane	U		0.000275	0.00133	1	12/05/2017 15:28	WG1049340
cis-1,3-Dichloropropene	U		0.000349	0.00133	1	12/05/2017 15:28	WG1049340
trans-1,3-Dichloropropene	U		0.000355	0.00133	1	12/05/2017 15:28	WG1049340
trans-1,4-Dichloro-2-butene	U		0.00104	0.00333	1	12/05/2017 15:28	WG1049340
2,2-Dichloropropane	U		0.000371	0.00133	1	12/05/2017 15:28	WG1049340
Di-isopropyl ether	U		0.000330	0.00133	1	12/05/2017 15:28	WG1049340
Ethylbenzene	U		0.000395	0.00133	1	12/05/2017 15:28	WG1049340
Hexachloro-1,3-butadiene	U		0.000455	0.00133	1	12/05/2017 15:28	WG1049340
2-Hexanone	U		0.00182	0.0133	1	12/05/2017 15:28	WG1049340
n-Hexane	U		0.000386	0.0133	1	12/05/2017 15:28	WG1049340
Iodomethane	U		0.00337	0.0133	1	12/05/2017 15:28	WG1049340
Isopropylbenzene	U		0.000323	0.00133	1	12/05/2017 15:28	WG1049340
p-Isopropyltoluene	0.000373	J V3	0.000271	0.00133	1	12/05/2017 15:28	WG1049340
2-Butanone (MEK)	U		0.00623	0.0133	1	12/05/2017 15:28	WG1049340
Methylene Chloride	U		0.00133	0.00665	1	12/05/2017 15:28	WG1049340
4-Methyl-2-pentanone (MIBK)	U		0.00250	0.0133	1	12/05/2017 15:28	WG1049340

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000282	0.00133	1	12/05/2017 15:28	WG1049340
Naphthalene	U		0.00133	0.00665	1	12/05/2017 15:28	WG1049340
n-Propylbenzene	U		0.000274	0.00133	1	12/05/2017 15:28	WG1049340
Styrene	U		0.000311	0.00133	1	12/05/2017 15:28	WG1049340
1,1,1,2-Tetrachloroethane	U		0.000351	0.00133	1	12/05/2017 15:28	WG1049340
1,1,2,2-Tetrachloroethane	U		0.000486	0.00133	1	12/05/2017 15:28	WG1049340
1,1,2-Trichlorotrifluoroethane	U		0.000486	0.00133	1	12/05/2017 15:28	WG1049340
Tetrachloroethene	0.00590	B V3	0.000367	0.00133	1	12/05/2017 15:28	WG1049340
Toluene	0.000806	J V3	0.000577	0.00665	1	12/05/2017 15:28	WG1049340
1,2,3-Trichlorobenzene	U		0.000407	0.00133	1	12/05/2017 15:28	WG1049340
1,2,4-Trichlorobenzene	U		0.000516	0.00133	1	12/05/2017 15:28	WG1049340
1,1,1-Trichloroethane	U		0.000381	0.00133	1	12/05/2017 15:28	WG1049340
1,1,2-Trichloroethane	U		0.000369	0.00133	1	12/05/2017 15:28	WG1049340
Trichloroethene	0.00169	V3	0.000371	0.00133	1	12/05/2017 15:28	WG1049340
Trichlorofluoromethane	U		0.000508	0.00665	1	12/05/2017 15:28	WG1049340
1,2,3-Trichloropropane	U		0.000986	0.00333	1	12/05/2017 15:28	WG1049340
1,2,4-Trimethylbenzene	0.000384	J V3	0.000281	0.00133	1	12/05/2017 15:28	WG1049340
1,2,3-Trimethylbenzene	U		0.000382	0.00133	1	12/05/2017 15:28	WG1049340
1,3,5-Trimethylbenzene	U		0.000354	0.00133	1	12/05/2017 15:28	WG1049340
Vinyl acetate	U		0.00318	0.0133	1	12/05/2017 15:28	WG1049340
Vinyl chloride	0.00346	V3	0.000387	0.00133	1	12/05/2017 15:28	WG1049340
Xylenes, Total	U		0.000929	0.00399	1	12/05/2017 15:28	WG1049340
(S) Toluene-d8	*94.0*			*80.0-120*		*12/05/2017 15:28*	WG1049340
(S) Dibromofluoromethane	*102*			*74.0-131*		*12/05/2017 15:28*	WG1049340
(S) 4-Bromofluorobenzene	*121*			*64.0-132*		*12/05/2017 15:28*	WG1049340

Sample Narrative:

L954694-18 WG1049340: Previous run also had low IS/SURR recovery. Matrix effect.

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	85.4		1	12/07/2017 13:01	WG1050628

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0117	0.0585	1	12/04/2017 16:10	WG1049340
Acrylonitrile	U		0.00210	0.0117	1	12/04/2017 16:10	WG1049340
Benzene	U		0.000316	0.00117	1	12/04/2017 16:10	WG1049340
Bromobenzene	U		0.000333	0.00117	1	12/04/2017 16:10	WG1049340
Bromodichloromethane	U		0.000297	0.00117	1	12/04/2017 16:10	WG1049340
Bromochloromethane	U		0.000457	0.00585	1	12/04/2017 16:10	WG1049340
Bromoform	U		0.000496	0.00117	1	12/04/2017 16:10	WG1049340
Bromomethane	U		0.00157	0.00585	1	12/04/2017 16:10	WG1049340
n-Butylbenzene	U		0.000302	0.00117	1	12/04/2017 16:10	WG1049340
sec-Butylbenzene	U		0.000235	0.00117	1	12/04/2017 16:10	WG1049340
tert-Butylbenzene	U		0.000241	0.00117	1	12/04/2017 16:10	WG1049340
Carbon disulfide	U		0.000259	0.00117	1	12/04/2017 16:10	WG1049340
Carbon tetrachloride	U		0.000384	0.00117	1	12/04/2017 16:10	WG1049340
Chlorobenzene	U		0.000248	0.00117	1	12/04/2017 16:10	WG1049340
Chlorodibromomethane	U		0.000437	0.00117	1	12/04/2017 16:10	WG1049340
Chloroethane	U		0.00111	0.00585	1	12/04/2017 16:10	WG1049340
Chloroform	U		0.000268	0.00585	1	12/04/2017 16:10	WG1049340
Chloromethane	U		0.000439	0.00293	1	12/04/2017 16:10	WG1049340
2-Chlorotoluene	U		0.000352	0.00117	1	12/04/2017 16:10	WG1049340
4-Chlorotoluene	U		0.000281	0.00117	1	12/04/2017 16:10	WG1049340
1,2-Dibromo-3-Chloropropane	U		0.00123	0.00585	1	12/04/2017 16:10	WG1049340
1,2-Dibromoethane	U		0.000402	0.00117	1	12/04/2017 16:10	WG1049340
Dibromomethane	U		0.000447	0.00117	1	12/04/2017 16:10	WG1049340
1,2-Dichlorobenzene	U		0.000357	0.00117	1	12/04/2017 16:10	WG1049340
1,3-Dichlorobenzene	U		0.000280	0.00117	1	12/04/2017 16:10	WG1049340
1,4-Dichlorobenzene	U		0.000265	0.00117	1	12/04/2017 16:10	WG1049340
Dichlorodifluoromethane	U		0.000835	0.00585	1	12/04/2017 16:10	WG1049340
1,1-Dichloroethane	U		0.000233	0.00117	1	12/04/2017 16:10	WG1049340
1,2-Dichloroethane	U		0.000310	0.00117	1	12/04/2017 16:10	WG1049340
1,1-Dichloroethene	U		0.000355	0.00117	1	12/04/2017 16:10	WG1049340
cis-1,2-Dichloroethene	0.0101		0.000275	0.00117	1	12/04/2017 16:10	WG1049340
trans-1,2-Dichloroethene	U		0.000309	0.00117	1	12/04/2017 16:10	WG1049340
1,2-Dichloropropane	U		0.000419	0.00117	1	12/04/2017 16:10	WG1049340
1,1-Dichloropropene	U		0.000371	0.00117	1	12/04/2017 16:10	WG1049340
1,3-Dichloropropane	U		0.000242	0.00117	1	12/04/2017 16:10	WG1049340
cis-1,3-Dichloropropene	U		0.000307	0.00117	1	12/04/2017 16:10	WG1049340
trans-1,3-Dichloropropene	U		0.000313	0.00117	1	12/04/2017 16:10	WG1049340
trans-1,4-Dichloro-2-butene	U		0.000911	0.00293	1	12/04/2017 16:10	WG1049340
2,2-Dichloropropane	U		0.000327	0.00117	1	12/04/2017 16:10	WG1049340
Di-isopropyl ether	U		0.000290	0.00117	1	12/04/2017 16:10	WG1049340
Ethylbenzene	U		0.000348	0.00117	1	12/04/2017 16:10	WG1049340
Hexachloro-1,3-butadiene	U		0.000400	0.00117	1	12/04/2017 16:10	WG1049340
2-Hexanone	U		0.00160	0.0117	1	12/04/2017 16:10	WG1049340
n-Hexane	U		0.000340	0.0117	1	12/04/2017 16:10	WG1049340
Iodomethane	U		0.00296	0.0117	1	12/04/2017 16:10	WG1049340
Isopropylbenzene	U		0.000285	0.00117	1	12/04/2017 16:10	WG1049340
p-Isopropyltoluene	U		0.000239	0.00117	1	12/04/2017 16:10	WG1049340
2-Butanone (MEK)	U		0.00548	0.0117	1	12/04/2017 16:10	WG1049340
Methylene Chloride	U		0.00117	0.00585	1	12/04/2017 16:10	WG1049340
4-Methyl-2-pentanone (MIBK)	U		0.00220	0.0117	1	12/04/2017 16:10	WG1049340

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

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000248	0.00117	1	12/04/2017 16:10	WG1049340
Naphthalene	U		0.00117	0.00585	1	12/04/2017 16:10	WG1049340
n-Propylbenzene	U		0.000241	0.00117	1	12/04/2017 16:10	WG1049340
Styrene	U		0.000274	0.00117	1	12/04/2017 16:10	WG1049340
1,1,1,2-Tetrachloroethane	U		0.000309	0.00117	1	12/04/2017 16:10	WG1049340
1,1,2,2-Tetrachloroethane	U		0.000427	0.00117	1	12/04/2017 16:10	WG1049340
1,1,2-Trichlorotrifluoroethane	U		0.000427	0.00117	1	12/04/2017 16:10	WG1049340
Tetrachloroethene	0.000676	B J	0.000323	0.00117	1	12/04/2017 16:10	WG1049340
Toluene	U		0.000508	0.00585	1	12/04/2017 16:10	WG1049340
1,2,3-Trichlorobenzene	U		0.000358	0.00117	1	12/04/2017 16:10	WG1049340
1,2,4-Trichlorobenzene	U		0.000454	0.00117	1	12/04/2017 16:10	WG1049340
1,1,1-Trichloroethane	U		0.000335	0.00117	1	12/04/2017 16:10	WG1049340
1,1,2-Trichloroethane	U		0.000324	0.00117	1	12/04/2017 16:10	WG1049340
Trichloroethene	U		0.000327	0.00117	1	12/04/2017 16:10	WG1049340
Trichlorofluoromethane	U		0.000447	0.00585	1	12/04/2017 16:10	WG1049340
1,2,3-Trichloropropane	U		0.000868	0.00293	1	12/04/2017 16:10	WG1049340
1,2,4-Trimethylbenzene	U		0.000247	0.00117	1	12/04/2017 16:10	WG1049340
1,2,3-Trimethylbenzene	U		0.000336	0.00117	1	12/04/2017 16:10	WG1049340
1,3,5-Trimethylbenzene	U		0.000311	0.00117	1	12/04/2017 16:10	WG1049340
Vinyl acetate	U		0.00280	0.0117	1	12/04/2017 16:10	WG1049340
Vinyl chloride	0.00442		0.000341	0.00117	1	12/04/2017 16:10	WG1049340
Xylenes, Total	U		0.000817	0.00351	1	12/04/2017 16:10	WG1049340
(S) Toluene-d8	*97.7*			*80.0-120*		*12/04/2017 16:10*	WG1049340
(S) Dibromofluoromethane	*112*			*74.0-131*		*12/04/2017 16:10*	WG1049340
(S) 4-Bromofluorobenzene	*103*			*64.0-132*		*12/04/2017 16:10*	WG1049340

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

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	89.4		1	12/07/2017 13:29	WG1050619

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0112	0.0560	1	12/04/2017 16:29	WG1049340
Acrylonitrile	U		0.00200	0.0112	1	12/04/2017 16:29	WG1049340
Benzene	U		0.000302	0.00112	1	12/04/2017 16:29	WG1049340
Bromobenzene	U		0.000318	0.00112	1	12/04/2017 16:29	WG1049340
Bromodichloromethane	U		0.000284	0.00112	1	12/04/2017 16:29	WG1049340
Bromochloromethane	U		0.000436	0.00560	1	12/04/2017 16:29	WG1049340
Bromoform	U		0.000475	0.00112	1	12/04/2017 16:29	WG1049340
Bromomethane	U		0.00150	0.00560	1	12/04/2017 16:29	WG1049340
n-Butylbenzene	U		0.000289	0.00112	1	12/04/2017 16:29	WG1049340
sec-Butylbenzene	U		0.000225	0.00112	1	12/04/2017 16:29	WG1049340
tert-Butylbenzene	U		0.000231	0.00112	1	12/04/2017 16:29	WG1049340
Carbon disulfide	U		0.000247	0.00112	1	12/04/2017 16:29	WG1049340
Carbon tetrachloride	U		0.000367	0.00112	1	12/04/2017 16:29	WG1049340
Chlorobenzene	U		0.000237	0.00112	1	12/04/2017 16:29	WG1049340
Chlorodibromomethane	U		0.000417	0.00112	1	12/04/2017 16:29	WG1049340
Chloroethane	U		0.00106	0.00560	1	12/04/2017 16:29	WG1049340
Chloroform	U		0.000256	0.00560	1	12/04/2017 16:29	WG1049340
Chloromethane	U		0.000420	0.00280	1	12/04/2017 16:29	WG1049340
2-Chlorotoluene	U		0.000337	0.00112	1	12/04/2017 16:29	WG1049340
4-Chlorotoluene	U		0.000269	0.00112	1	12/04/2017 16:29	WG1049340
1,2-Dibromo-3-Chloropropane	U		0.00118	0.00560	1	12/04/2017 16:29	WG1049340
1,2-Dibromoethane	U		0.000384	0.00112	1	12/04/2017 16:29	WG1049340
Dibromomethane	U		0.000428	0.00112	1	12/04/2017 16:29	WG1049340
1,2-Dichlorobenzene	U		0.000341	0.00112	1	12/04/2017 16:29	WG1049340
1,3-Dichlorobenzene	U		0.000267	0.00112	1	12/04/2017 16:29	WG1049340
1,4-Dichlorobenzene	U		0.000253	0.00112	1	12/04/2017 16:29	WG1049340
Dichlorodifluoromethane	U		0.000798	0.00560	1	12/04/2017 16:29	WG1049340
1,1-Dichloroethane	U		0.000223	0.00112	1	12/04/2017 16:29	WG1049340
1,2-Dichloroethane	U		0.000297	0.00112	1	12/04/2017 16:29	WG1049340
1,1-Dichloroethene	0.000638	J	0.000339	0.00112	1	12/04/2017 16:29	WG1049340
cis-1,2-Dichloroethene	0.147		0.000263	0.00112	1	12/04/2017 16:29	WG1049340
trans-1,2-Dichloroethene	0.00106	J	0.000295	0.00112	1	12/04/2017 16:29	WG1049340
1,2-Dichloropropane	U		0.000401	0.00112	1	12/04/2017 16:29	WG1049340
1,1-Dichloropropene	U		0.000355	0.00112	1	12/04/2017 16:29	WG1049340
1,3-Dichloropropane	U		0.000232	0.00112	1	12/04/2017 16:29	WG1049340
cis-1,3-Dichloropropene	U		0.000293	0.00112	1	12/04/2017 16:29	WG1049340
trans-1,3-Dichloropropene	U		0.000299	0.00112	1	12/04/2017 16:29	WG1049340
trans-1,4-Dichloro-2-butene	U		0.000871	0.00280	1	12/04/2017 16:29	WG1049340
2,2-Dichloropropane	U		0.000312	0.00112	1	12/04/2017 16:29	WG1049340
Di-isopropyl ether	U		0.000278	0.00112	1	12/04/2017 16:29	WG1049340
Ethylbenzene	U		0.000332	0.00112	1	12/04/2017 16:29	WG1049340
Hexachloro-1,3-butadiene	U		0.000383	0.00112	1	12/04/2017 16:29	WG1049340
2-Hexanone	U		0.00153	0.0112	1	12/04/2017 16:29	WG1049340
n-Hexane	U		0.000325	0.0112	1	12/04/2017 16:29	WG1049340
Iodomethane	U		0.00283	0.0112	1	12/04/2017 16:29	WG1049340
Isopropylbenzene	U		0.000272	0.00112	1	12/04/2017 16:29	WG1049340
p-Isopropyltoluene	U		0.000228	0.00112	1	12/04/2017 16:29	WG1049340
2-Butanone (MEK)	U		0.00524	0.0112	1	12/04/2017 16:29	WG1049340
Methylene Chloride	U		0.00112	0.00560	1	12/04/2017 16:29	WG1049340
4-Methyl-2-pentanone (MIBK)	U		0.00210	0.0112	1	12/04/2017 16:29	WG1049340

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000237	0.00112	1	12/04/2017 16:29	WG1049340
Naphthalene	U		0.00112	0.00560	1	12/04/2017 16:29	WG1049340
n-Propylbenzene	U		0.000231	0.00112	1	12/04/2017 16:29	WG1049340
Styrene	U		0.000262	0.00112	1	12/04/2017 16:29	WG1049340
1,1,1,2-Tetrachloroethane	U		0.000295	0.00112	1	12/04/2017 16:29	WG1049340
1,1,2,2-Tetrachloroethane	U		0.000409	0.00112	1	12/04/2017 16:29	WG1049340
1,1,2-Trichlorotrifluoroethane	U		0.000409	0.00112	1	12/04/2017 16:29	WG1049340
Tetrachloroethene	0.0190		0.000309	0.00112	1	12/04/2017 16:29	WG1049340
Toluene	U		0.000486	0.00560	1	12/04/2017 16:29	WG1049340
1,2,3-Trichlorobenzene	U		0.000342	0.00112	1	12/04/2017 16:29	WG1049340
1,2,4-Trichlorobenzene	U		0.000434	0.00112	1	12/04/2017 16:29	WG1049340
1,1,1-Trichloroethane	U		0.000320	0.00112	1	12/04/2017 16:29	WG1049340
1,1,2-Trichloroethane	U		0.000310	0.00112	1	12/04/2017 16:29	WG1049340
Trichloroethene	0.0216		0.000312	0.00112	1	12/04/2017 16:29	WG1049340
Trichlorofluoromethane	U		0.000428	0.00560	1	12/04/2017 16:29	WG1049340
1,2,3-Trichloropropane	U		0.000829	0.00280	1	12/04/2017 16:29	WG1049340
1,2,4-Trimethylbenzene	U		0.000236	0.00112	1	12/04/2017 16:29	WG1049340
1,2,3-Trimethylbenzene	U		0.000321	0.00112	1	12/04/2017 16:29	WG1049340
1,3,5-Trimethylbenzene	U		0.000298	0.00112	1	12/04/2017 16:29	WG1049340
Vinyl acetate	U		0.00267	0.0112	1	12/04/2017 16:29	WG1049340
Vinyl chloride	0.00682		0.000326	0.00112	1	12/04/2017 16:29	WG1049340
Xylenes, Total	U		0.000781	0.00336	1	12/04/2017 16:29	WG1049340
(S) Toluene-d8	*96.4*			*80.0-120*		*12/04/2017 16:29*	WG1049340
(S) Dibromofluoromethane	*119*			*74.0-131*		*12/04/2017 16:29*	WG1049340
(S) 4-Bromofluorobenzene	*97.3*			*64.0-132*		*12/04/2017 16:29*	WG1049340

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

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

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	84.3		1	12/07/2017 12:28	WG1050630

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.374	1.87	31.5	12/05/2017 17:58	WG1049340
Acrylonitrile	U		0.0669	0.374	31.5	12/05/2017 17:58	WG1049340
Benzene	U		0.0101	0.0374	31.5	12/05/2017 17:58	WG1049340
Bromobenzene	U		0.0106	0.0374	31.5	12/05/2017 17:58	WG1049340
Bromodichloromethane	U		0.00949	0.0374	31.5	12/05/2017 17:58	WG1049340
Bromochloromethane	U		0.0146	0.187	31.5	12/05/2017 17:58	WG1049340
Bromoform	U		0.0159	0.0374	31.5	12/05/2017 17:58	WG1049340
Bromomethane	U		0.0501	0.187	31.5	12/05/2017 17:58	WG1049340
n-Butylbenzene	U		0.00964	0.0374	31.5	12/05/2017 17:58	WG1049340
sec-Butylbenzene	U		0.00751	0.0374	31.5	12/05/2017 17:58	WG1049340
tert-Butylbenzene	U		0.00770	0.0374	31.5	12/05/2017 17:58	WG1049340
Carbon disulfide	U		0.00826	0.0374	31.5	12/05/2017 17:58	WG1049340
Carbon tetrachloride	U		0.0122	0.0374	31.5	12/05/2017 17:58	WG1049340
Chlorobenzene	U		0.00792	0.0374	31.5	12/05/2017 17:58	WG1049340
Chlorodibromomethane	U		0.0139	0.0374	31.5	12/05/2017 17:58	WG1049340
Chloroethane	U		0.0353	0.187	31.5	12/05/2017 17:58	WG1049340
Chloroform	U		0.00855	0.187	31.5	12/05/2017 17:58	WG1049340
Chloromethane	U		0.0140	0.0934	31.5	12/05/2017 17:58	WG1049340
2-Chlorotoluene	U		0.0112	0.0374	31.5	12/05/2017 17:58	WG1049340
4-Chlorotoluene	U		0.00897	0.0374	31.5	12/05/2017 17:58	WG1049340
1,2-Dibromo-3-Chloropropane	U		0.0393	0.187	31.5	12/05/2017 17:58	WG1049340
1,2-Dibromoethane	U		0.0128	0.0374	31.5	12/05/2017 17:58	WG1049340
Dibromomethane	U		0.0142	0.0374	31.5	12/05/2017 17:58	WG1049340
1,2-Dichlorobenzene	U		0.0114	0.0374	31.5	12/05/2017 17:58	WG1049340
1,3-Dichlorobenzene	U		0.00893	0.0374	31.5	12/05/2017 17:58	WG1049340
1,4-Dichlorobenzene	U		0.00844	0.0374	31.5	12/05/2017 17:58	WG1049340
Dichlorodifluoromethane	U		0.0266	0.187	31.5	12/05/2017 17:58	WG1049340
1,1-Dichloroethane	U		0.00744	0.0374	31.5	12/05/2017 17:58	WG1049340
1,2-Dichloroethane	U		0.00990	0.0374	31.5	12/05/2017 17:58	WG1049340
1,1-Dichloroethene	U		0.0113	0.0374	31.5	12/05/2017 17:58	WG1049340
cis-1,2-Dichloroethene	0.474		0.00878	0.0374	31.5	12/05/2017 17:58	WG1049340
trans-1,2-Dichloroethene	U		0.00987	0.0374	31.5	12/05/2017 17:58	WG1049340
1,2-Dichloropropane	U		0.0134	0.0374	31.5	12/05/2017 17:58	WG1049340
1,1-Dichloropropene	U		0.0118	0.0374	31.5	12/05/2017 17:58	WG1049340
1,3-Dichloropropane	U		0.00773	0.0374	31.5	12/05/2017 17:58	WG1049340
cis-1,3-Dichloropropene	U		0.00979	0.0374	31.5	12/05/2017 17:58	WG1049340
trans-1,3-Dichloropropene	U		0.00997	0.0374	31.5	12/05/2017 17:58	WG1049340
trans-1,4-Dichloro-2-butene	U		0.0291	0.0934	31.5	12/05/2017 17:58	WG1049340
2,2-Dichloropropane	U		0.0104	0.0374	31.5	12/05/2017 17:58	WG1049340
Di-isopropyl ether	U		0.00926	0.0374	31.5	12/05/2017 17:58	WG1049340
Ethylbenzene	U		0.0111	0.0374	31.5	12/05/2017 17:58	WG1049340
Hexachloro-1,3-butadiene	U		0.0128	0.0374	31.5	12/05/2017 17:58	WG1049340
2-Hexanone	U		0.0512	0.374	31.5	12/05/2017 17:58	WG1049340
n-Hexane	U		0.0108	0.374	31.5	12/05/2017 17:58	WG1049340
Iodomethane	U		0.0945	0.374	31.5	12/05/2017 17:58	WG1049340
Isopropylbenzene	U		0.00907	0.0374	31.5	12/05/2017 17:58	WG1049340
p-Isopropyltoluene	U		0.00763	0.0374	31.5	12/05/2017 17:58	WG1049340
2-Butanone (MEK)	U		0.174	0.374	31.5	12/05/2017 17:58	WG1049340
Methylene Chloride	U		0.0374	0.187	31.5	12/05/2017 17:58	WG1049340
4-Methyl-2-pentanone (MIBK)	U		0.0702	0.374	31.5	12/05/2017 17:58	WG1049340

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

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

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg		date / time	
Methyl tert-butyl ether	U		0.00792	0.0374	31.5	12/05/2017 17:58	WG1049340
Naphthalene	U		0.0374	0.187	31.5	12/05/2017 17:58	WG1049340
n-Propylbenzene	U		0.00770	0.0374	31.5	12/05/2017 17:58	WG1049340
Styrene	U		0.00874	0.0374	31.5	12/05/2017 17:58	WG1049340
1,1,1,2-Tetrachloroethane	U		0.00987	0.0374	31.5	12/05/2017 17:58	WG1049340
1,1,2,2-Tetrachloroethane	U		0.0136	0.0374	31.5	12/05/2017 17:58	WG1049340
1,1,2-Trichlorotrifluoroethane	U		0.0136	0.0374	31.5	12/05/2017 17:58	WG1049340
Tetrachloroethene	11.1		0.206	0.747	630	12/06/2017 15:38	WG1049340
Toluene	U		0.0162	0.187	31.5	12/05/2017 17:58	WG1049340
1,2,3-Trichlorobenzene	U		0.0114	0.0374	31.5	12/05/2017 17:58	WG1049340
1,2,4-Trichlorobenzene	U		0.0145	0.0374	31.5	12/05/2017 17:58	WG1049340
1,1,1-Trichloroethane	U		0.0107	0.0374	31.5	12/05/2017 17:58	WG1049340
1,1,2-Trichloroethane	U		0.0103	0.0374	31.5	12/05/2017 17:58	WG1049340
Trichloroethene	0.763		0.0104	0.0374	31.5	12/05/2017 17:58	WG1049340
Trichlorofluoromethane	U		0.0142	0.187	31.5	12/05/2017 17:58	WG1049340
1,2,3-Trichloropropane	U		0.0276	0.0934	31.5	12/05/2017 17:58	WG1049340
1,2,4-Trimethylbenzene	U		0.00789	0.0374	31.5	12/05/2017 17:58	WG1049340
1,2,3-Trimethylbenzene	U		0.0107	0.0374	31.5	12/05/2017 17:58	WG1049340
1,3,5-Trimethylbenzene	U		0.00994	0.0374	31.5	12/05/2017 17:58	WG1049340
Vinyl acetate	U		0.0893	0.374	31.5	12/05/2017 17:58	WG1049340
Vinyl chloride	U		0.0109	0.0374	31.5	12/05/2017 17:58	WG1049340
Xylenes, Total	U		0.0261	0.112	31.5	12/05/2017 17:58	WG1049340
(S) Toluene-d8	*106*			*80.0-120*		*12/06/2017 15:38*	WG1049340
(S) Toluene-d8	*100*			*80.0-120*		*12/05/2017 17:58*	WG1049340
(S) Dibromofluoromethane	*102*			*74.0-131*		*12/06/2017 15:38*	WG1049340
(S) Dibromofluoromethane	*95.7*			*74.0-131*		*12/05/2017 17:58*	WG1049340
(S) 4-Bromofluorobenzene	*97.3*			*64.0-132*		*12/06/2017 15:38*	WG1049340
(S) 4-Bromofluorobenzene	*98.5*			*64.0-132*		*12/05/2017 17:58*	WG1049340

Sample Narrative:

L954694-21 WG1049340: Cannot be analyzed at a lower dilution due to high levels of target analytes.

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

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	88.6		1	12/07/2017 13:01	WG1050628

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0565	1	12/05/2017 00:08	WG1049340
Acrylonitrile	U		0.00202	0.0113	1	12/05/2017 00:08	WG1049340
Benzene	U		0.000305	0.00113	1	12/05/2017 00:08	WG1049340
Bromobenzene	U		0.000321	0.00113	1	12/05/2017 00:08	WG1049340
Bromodichloromethane	U		0.000287	0.00113	1	12/05/2017 00:08	WG1049340
Bromochloromethane	U		0.000440	0.00565	1	12/05/2017 00:08	WG1049340
Bromoform	U		0.000479	0.00113	1	12/05/2017 00:08	WG1049340
Bromomethane	U		0.00151	0.00565	1	12/05/2017 00:08	WG1049340
n-Butylbenzene	U		0.000291	0.00113	1	12/05/2017 00:08	WG1049340
sec-Butylbenzene	U		0.000227	0.00113	1	12/05/2017 00:08	WG1049340
tert-Butylbenzene	U		0.000233	0.00113	1	12/05/2017 00:08	WG1049340
Carbon disulfide	U		0.000250	0.00113	1	12/05/2017 00:08	WG1049340
Carbon tetrachloride	U		0.000370	0.00113	1	12/05/2017 00:08	WG1049340
Chlorobenzene	U		0.000239	0.00113	1	12/05/2017 00:08	WG1049340
Chlorodibromomethane	U		0.000421	0.00113	1	12/05/2017 00:08	WG1049340
Chloroethane	U		0.00107	0.00565	1	12/05/2017 00:08	WG1049340
Chloroform	U		0.000259	0.00565	1	12/05/2017 00:08	WG1049340
Chloromethane	U		0.000423	0.00282	1	12/05/2017 00:08	WG1049340
2-Chlorotoluene	U		0.000340	0.00113	1	12/05/2017 00:08	WG1049340
4-Chlorotoluene	U		0.000271	0.00113	1	12/05/2017 00:08	WG1049340
1,2-Dibromo-3-Chloropropane	U		0.00119	0.00565	1	12/05/2017 00:08	WG1049340
1,2-Dibromoethane	U		0.000387	0.00113	1	12/05/2017 00:08	WG1049340
Dibromomethane	U		0.000431	0.00113	1	12/05/2017 00:08	WG1049340
1,2-Dichlorobenzene	U		0.000344	0.00113	1	12/05/2017 00:08	WG1049340
1,3-Dichlorobenzene	U		0.000270	0.00113	1	12/05/2017 00:08	WG1049340
1,4-Dichlorobenzene	U		0.000255	0.00113	1	12/05/2017 00:08	WG1049340
Dichlorodifluoromethane	U		0.000805	0.00565	1	12/05/2017 00:08	WG1049340
1,1-Dichloroethane	U		0.000225	0.00113	1	12/05/2017 00:08	WG1049340
1,2-Dichloroethane	U		0.000299	0.00113	1	12/05/2017 00:08	WG1049340
1,1-Dichloroethene	0.000364	J	0.000342	0.00113	1	12/05/2017 00:08	WG1049340
cis-1,2-Dichloroethene	0.0874		0.000265	0.00113	1	12/05/2017 00:08	WG1049340
trans-1,2-Dichloroethene	0.000524	J	0.000298	0.00113	1	12/05/2017 00:08	WG1049340
1,2-Dichloropropane	U		0.000404	0.00113	1	12/05/2017 00:08	WG1049340
1,1-Dichloropropene	U		0.000358	0.00113	1	12/05/2017 00:08	WG1049340
1,3-Dichloropropane	U		0.000234	0.00113	1	12/05/2017 00:08	WG1049340
cis-1,3-Dichloropropene	U		0.000296	0.00113	1	12/05/2017 00:08	WG1049340
trans-1,3-Dichloropropene	U		0.000301	0.00113	1	12/05/2017 00:08	WG1049340
trans-1,4-Dichloro-2-butene	U		0.000878	0.00282	1	12/05/2017 00:08	WG1049340
2,2-Dichloropropane	U		0.000315	0.00113	1	12/05/2017 00:08	WG1049340
Di-isopropyl ether	U		0.000280	0.00113	1	12/05/2017 00:08	WG1049340
Ethylbenzene	U		0.000335	0.00113	1	12/05/2017 00:08	WG1049340
Hexachloro-1,3-butadiene	U		0.000386	0.00113	1	12/05/2017 00:08	WG1049340
2-Hexanone	U		0.00155	0.0113	1	12/05/2017 00:08	WG1049340
n-Hexane	U		0.000327	0.0113	1	12/05/2017 00:08	WG1049340
Iodomethane	U		0.00286	0.0113	1	12/05/2017 00:08	WG1049340
Isopropylbenzene	U		0.000274	0.00113	1	12/05/2017 00:08	WG1049340
p-Isopropyltoluene	U		0.000230	0.00113	1	12/05/2017 00:08	WG1049340
2-Butanone (MEK)	U		0.00528	0.0113	1	12/05/2017 00:08	WG1049340
Methylene Chloride	U		0.00113	0.00565	1	12/05/2017 00:08	WG1049340
4-Methyl-2-pentanone (MIBK)	U		0.00212	0.0113	1	12/05/2017 00:08	WG1049340

B-232-31

Collected date/time: 12/01/17 09:45

SAMPLE RESULTS - 22

L954694

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000239	0.00113	1	12/05/2017 00:08	WG1049340
Naphthalene	U		0.00113	0.00565	1	12/05/2017 00:08	WG1049340
n-Propylbenzene	U		0.000233	0.00113	1	12/05/2017 00:08	WG1049340
Styrene	U		0.000264	0.00113	1	12/05/2017 00:08	WG1049340
1,1,1,2-Tetrachloroethane	U		0.000298	0.00113	1	12/05/2017 00:08	WG1049340
1,1,2,2-Tetrachloroethane	U		0.000412	0.00113	1	12/05/2017 00:08	WG1049340
1,1,2-Trichlorotrifluoroethane	U		0.000412	0.00113	1	12/05/2017 00:08	WG1049340
Tetrachloroethene	4.27		0.00779	0.0282	25	12/05/2017 18:19	WG1049340
Toluene	U		0.000490	0.00565	1	12/05/2017 00:08	WG1049340
1,2,3-Trichlorobenzene	U		0.000346	0.00113	1	12/05/2017 00:08	WG1049340
1,2,4-Trichlorobenzene	U		0.000438	0.00113	1	12/05/2017 00:08	WG1049340
1,1,1-Trichloroethane	U		0.000323	0.00113	1	12/05/2017 00:08	WG1049340
1,1,2-Trichloroethane	U		0.000313	0.00113	1	12/05/2017 00:08	WG1049340
Trichloroethene	0.0964		0.000315	0.00113	1	12/05/2017 00:08	WG1049340
Trichlorofluoromethane	U		0.000431	0.00565	1	12/05/2017 00:08	WG1049340
1,2,3-Trichloropropane	U		0.000837	0.00282	1	12/05/2017 00:08	WG1049340
1,2,4-Trimethylbenzene	U		0.000238	0.00113	1	12/05/2017 00:08	WG1049340
1,2,3-Trimethylbenzene	U		0.000324	0.00113	1	12/05/2017 00:08	WG1049340
1,3,5-Trimethylbenzene	U		0.000300	0.00113	1	12/05/2017 00:08	WG1049340
Vinyl acetate	U		0.00270	0.0113	1	12/05/2017 00:08	WG1049340
Vinyl chloride	0.0110		0.000329	0.00113	1	12/05/2017 00:08	WG1049340
Xylenes, Total	U		0.000788	0.00339	1	12/05/2017 00:08	WG1049340
(S) Toluene-d8	*97.3*			*80.0-120*		*12/05/2017 00:08*	WG1049340
(S) Toluene-d8	*101*			*80.0-120*		*12/05/2017 18:19*	WG1049340
(S) Dibromofluoromethane	*97.1*			*74.0-131*		*12/05/2017 18:19*	WG1049340
(S) Dibromofluoromethane	*116*			*74.0-131*		*12/05/2017 00:08*	WG1049340
(S) 4-Bromofluorobenzene	*100*			*64.0-132*		*12/05/2017 18:19*	WG1049340
(S) 4-Bromofluorobenzene	*97.8*			*64.0-132*		*12/05/2017 00:08*	WG1049340

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	84.4		1	12/07/2017 12:45	WG1050629

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0119	0.0593	1	12/05/2017 00:27	WG1049340
Acrylonitrile	U		0.00212	0.0119	1	12/05/2017 00:27	WG1049340
Benzene	U		0.000320	0.00119	1	12/05/2017 00:27	WG1049340
Bromobenzene	U		0.000337	0.00119	1	12/05/2017 00:27	WG1049340
Bromodichloromethane	U		0.000301	0.00119	1	12/05/2017 00:27	WG1049340
Bromochloromethane	U		0.000462	0.00593	1	12/05/2017 00:27	WG1049340
Bromoform	U		0.000503	0.00119	1	12/05/2017 00:27	WG1049340
Bromomethane	U		0.00159	0.00593	1	12/05/2017 00:27	WG1049340
n-Butylbenzene	U		0.000306	0.00119	1	12/05/2017 00:27	WG1049340
sec-Butylbenzene	U		0.000238	0.00119	1	12/05/2017 00:27	WG1049340
tert-Butylbenzene	U		0.000244	0.00119	1	12/05/2017 00:27	WG1049340
Carbon disulfide	U		0.000262	0.00119	1	12/05/2017 00:27	WG1049340
Carbon tetrachloride	U		0.000389	0.00119	1	12/05/2017 00:27	WG1049340
Chlorobenzene	U		0.000251	0.00119	1	12/05/2017 00:27	WG1049340
Chlorodibromomethane	U		0.000442	0.00119	1	12/05/2017 00:27	WG1049340
Chloroethane	U		0.00112	0.00593	1	12/05/2017 00:27	WG1049340
Chloroform	U		0.000271	0.00593	1	12/05/2017 00:27	WG1049340
Chloromethane	U		0.000445	0.00296	1	12/05/2017 00:27	WG1049340
2-Chlorotoluene	U		0.000357	0.00119	1	12/05/2017 00:27	WG1049340
4-Chlorotoluene	U		0.000284	0.00119	1	12/05/2017 00:27	WG1049340
1,2-Dibromo-3-Chloropropane	U		0.00124	0.00593	1	12/05/2017 00:27	WG1049340
1,2-Dibromoethane	U		0.000407	0.00119	1	12/05/2017 00:27	WG1049340
Dibromomethane	U		0.000453	0.00119	1	12/05/2017 00:27	WG1049340
1,2-Dichlorobenzene	U		0.000362	0.00119	1	12/05/2017 00:27	WG1049340
1,3-Dichlorobenzene	U		0.000283	0.00119	1	12/05/2017 00:27	WG1049340
1,4-Dichlorobenzene	U		0.000268	0.00119	1	12/05/2017 00:27	WG1049340
Dichlorodifluoromethane	U		0.000845	0.00593	1	12/05/2017 00:27	WG1049340
1,1-Dichloroethane	U		0.000236	0.00119	1	12/05/2017 00:27	WG1049340
1,2-Dichloroethane	U		0.000314	0.00119	1	12/05/2017 00:27	WG1049340
1,1-Dichloroethene	0.00117	J	0.000359	0.00119	1	12/05/2017 00:27	WG1049340
cis-1,2-Dichloroethene	0.110		0.000279	0.00119	1	12/05/2017 00:27	WG1049340
trans-1,2-Dichloroethene	0.000631	J	0.000313	0.00119	1	12/05/2017 00:27	WG1049340
1,2-Dichloropropane	U		0.000424	0.00119	1	12/05/2017 00:27	WG1049340
1,1-Dichloropropene	U		0.000376	0.00119	1	12/05/2017 00:27	WG1049340
1,3-Dichloropropane	U		0.000245	0.00119	1	12/05/2017 00:27	WG1049340
cis-1,3-Dichloropropene	U		0.000311	0.00119	1	12/05/2017 00:27	WG1049340
trans-1,3-Dichloropropene	U		0.000316	0.00119	1	12/05/2017 00:27	WG1049340
trans-1,4-Dichloro-2-butene	U		0.000922	0.00296	1	12/05/2017 00:27	WG1049340
2,2-Dichloropropane	U		0.000331	0.00119	1	12/05/2017 00:27	WG1049340
Di-isopropyl ether	U		0.000294	0.00119	1	12/05/2017 00:27	WG1049340
Ethylbenzene	U		0.000352	0.00119	1	12/05/2017 00:27	WG1049340
Hexachloro-1,3-butadiene	U		0.000405	0.00119	1	12/05/2017 00:27	WG1049340
2-Hexanone	U		0.00162	0.0119	1	12/05/2017 00:27	WG1049340
n-Hexane	U		0.000344	0.0119	1	12/05/2017 00:27	WG1049340
Iodomethane	U		0.00300	0.0119	1	12/05/2017 00:27	WG1049340
Isopropylbenzene	U		0.000288	0.00119	1	12/05/2017 00:27	WG1049340
p-Isopropyltoluene	U		0.000242	0.00119	1	12/05/2017 00:27	WG1049340
2-Butanone (MEK)	U		0.00555	0.0119	1	12/05/2017 00:27	WG1049340
Methylene Chloride	U		0.00119	0.00593	1	12/05/2017 00:27	WG1049340
4-Methyl-2-pentanone (MIBK)	U		0.00223	0.0119	1	12/05/2017 00:27	WG1049340

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000251	0.00119	1	12/05/2017 00:27	WG1049340
Naphthalene	U		0.00119	0.00593	1	12/05/2017 00:27	WG1049340
n-Propylbenzene	U		0.000244	0.00119	1	12/05/2017 00:27	WG1049340
Styrene	U		0.000277	0.00119	1	12/05/2017 00:27	WG1049340
1,1,1,2-Tetrachloroethane	U		0.000313	0.00119	1	12/05/2017 00:27	WG1049340
1,1,2,2-Tetrachloroethane	U		0.000433	0.00119	1	12/05/2017 00:27	WG1049340
1,1,2-Trichlorotrifluoroethane	U		0.000433	0.00119	1	12/05/2017 00:27	WG1049340
Tetrachloroethene	1.88		0.00818	0.0296	25	12/05/2017 18:40	WG1049340
Toluene	U		0.000514	0.00593	1	12/05/2017 00:27	WG1049340
1,2,3-Trichlorobenzene	U		0.000363	0.00119	1	12/05/2017 00:27	WG1049340
1,2,4-Trichlorobenzene	U		0.000460	0.00119	1	12/05/2017 00:27	WG1049340
1,1,1-Trichloroethane	U		0.000339	0.00119	1	12/05/2017 00:27	WG1049340
1,1,2-Trichloroethane	U		0.000328	0.00119	1	12/05/2017 00:27	WG1049340
Trichloroethene	0.0913		0.000331	0.00119	1	12/05/2017 00:27	WG1049340
Trichlorofluoromethane	U		0.000453	0.00593	1	12/05/2017 00:27	WG1049340
1,2,3-Trichloropropane	U		0.000878	0.00296	1	12/05/2017 00:27	WG1049340
1,2,4-Trimethylbenzene	U		0.000250	0.00119	1	12/05/2017 00:27	WG1049340
1,2,3-Trimethylbenzene	U		0.000340	0.00119	1	12/05/2017 00:27	WG1049340
1,3,5-Trimethylbenzene	U		0.000315	0.00119	1	12/05/2017 00:27	WG1049340
Vinyl acetate	U		0.00283	0.0119	1	12/05/2017 00:27	WG1049340
Vinyl chloride	0.0123		0.000345	0.00119	1	12/05/2017 00:27	WG1049340
Xylenes, Total	U		0.000827	0.00356	1	12/05/2017 00:27	WG1049340
(S) Toluene-d8	*101*			*80.0-120*		*12/05/2017 18:40*	WG1049340
(S) Toluene-d8	*95.5*			*80.0-120*		*12/05/2017 00:27*	WG1049340
(S) Dibromofluoromethane	*95.1*			*74.0-131*		*12/05/2017 18:40*	WG1049340
(S) Dibromofluoromethane	*118*			*74.0-131*		*12/05/2017 00:27*	WG1049340
(S) 4-Bromofluorobenzene	*99.0*			*64.0-132*		*12/05/2017 18:40*	WG1049340
(S) 4-Bromofluorobenzene	*97.7*			*64.0-132*		*12/05/2017 00:27*	WG1049340

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

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	92.7		1	12/07/2017 13:01	WG1050628

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0108	0.0540	1	12/05/2017 08:38	WG1049340
Acrylonitrile	U		0.00193	0.0108	1	12/05/2017 08:38	WG1049340
Benzene	U		0.000291	0.00108	1	12/05/2017 08:38	WG1049340
Bromobenzene	U		0.000306	0.00108	1	12/05/2017 08:38	WG1049340
Bromodichloromethane	U		0.000274	0.00108	1	12/05/2017 08:38	WG1049340
Bromochloromethane	U		0.000421	0.00540	1	12/05/2017 08:38	WG1049340
Bromoform	U		0.000458	0.00108	1	12/05/2017 08:38	WG1049340
Bromomethane	U		0.00145	0.00540	1	12/05/2017 08:38	WG1049340
n-Butylbenzene	U		0.000278	0.00108	1	12/05/2017 08:38	WG1049340
sec-Butylbenzene	U		0.000217	0.00108	1	12/05/2017 08:38	WG1049340
tert-Butylbenzene	U		0.000222	0.00108	1	12/05/2017 08:38	WG1049340
Carbon disulfide	U		0.000238	0.00108	1	12/05/2017 08:38	WG1049340
Carbon tetrachloride	U		0.000354	0.00108	1	12/05/2017 08:38	WG1049340
Chlorobenzene	U		0.000229	0.00108	1	12/05/2017 08:38	WG1049340
Chlorodibromomethane	U		0.000403	0.00108	1	12/05/2017 08:38	WG1049340
Chloroethane	U		0.00102	0.00540	1	12/05/2017 08:38	WG1049340
Chloroform	U		0.000247	0.00540	1	12/05/2017 08:38	WG1049340
Chloromethane	U		0.000405	0.00270	1	12/05/2017 08:38	WG1049340
2-Chlorotoluene	U		0.000325	0.00108	1	12/05/2017 08:38	WG1049340
4-Chlorotoluene	U		0.000259	0.00108	1	12/05/2017 08:38	WG1049340
1,2-Dibromo-3-Chloropropane	U		0.00113	0.00540	1	12/05/2017 08:38	WG1049340
1,2-Dibromoethane	U		0.000370	0.00108	1	12/05/2017 08:38	WG1049340
Dibromomethane	U		0.000412	0.00108	1	12/05/2017 08:38	WG1049340
1,2-Dichlorobenzene	U		0.000329	0.00108	1	12/05/2017 08:38	WG1049340
1,3-Dichlorobenzene	U		0.000258	0.00108	1	12/05/2017 08:38	WG1049340
1,4-Dichlorobenzene	U		0.000244	0.00108	1	12/05/2017 08:38	WG1049340
Dichlorodifluoromethane	U		0.000769	0.00540	1	12/05/2017 08:38	WG1049340
1,1-Dichloroethane	U		0.000215	0.00108	1	12/05/2017 08:38	WG1049340
1,2-Dichloroethane	U		0.000286	0.00108	1	12/05/2017 08:38	WG1049340
1,1-Dichloroethene	U		0.000327	0.00108	1	12/05/2017 08:38	WG1049340
cis-1,2-Dichloroethene	0.00266		0.000254	0.00108	1	12/05/2017 08:38	WG1049340
trans-1,2-Dichloroethene	U		0.000285	0.00108	1	12/05/2017 08:38	WG1049340
1,2-Dichloropropane	U		0.000386	0.00108	1	12/05/2017 08:38	WG1049340
1,1-Dichloropropene	U		0.000342	0.00108	1	12/05/2017 08:38	WG1049340
1,3-Dichloropropane	U		0.000223	0.00108	1	12/05/2017 08:38	WG1049340
cis-1,3-Dichloropropene	U		0.000283	0.00108	1	12/05/2017 08:38	WG1049340
trans-1,3-Dichloropropene	U		0.000288	0.00108	1	12/05/2017 08:38	WG1049340
trans-1,4-Dichloro-2-butene	U		0.000840	0.00270	1	12/05/2017 08:38	WG1049340
2,2-Dichloropropane	U		0.000301	0.00108	1	12/05/2017 08:38	WG1049340
Di-isopropyl ether	U		0.000268	0.00108	1	12/05/2017 08:38	WG1049340
Ethylbenzene	U		0.000320	0.00108	1	12/05/2017 08:38	WG1049340
Hexachloro-1,3-butadiene	U		0.000369	0.00108	1	12/05/2017 08:38	WG1049340
2-Hexanone	U		0.00148	0.0108	1	12/05/2017 08:38	WG1049340
n-Hexane	U		0.000313	0.0108	1	12/05/2017 08:38	WG1049340
Iodomethane	U		0.00273	0.0108	1	12/05/2017 08:38	WG1049340
Isopropylbenzene	U		0.000262	0.00108	1	12/05/2017 08:38	WG1049340
p-Isopropyltoluene	U		0.000220	0.00108	1	12/05/2017 08:38	WG1049340
2-Butanone (MEK)	U		0.00505	0.0108	1	12/05/2017 08:38	WG1049340
Methylene Chloride	U		0.00108	0.00540	1	12/05/2017 08:38	WG1049340
4-Methyl-2-pentanone (MIBK)	U		0.00203	0.0108	1	12/05/2017 08:38	WG1049340

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000229	0.00108	1	12/05/2017 08:38	WG1049340
Naphthalene	U		0.00108	0.00540	1	12/05/2017 08:38	WG1049340
n-Propylbenzene	U		0.000222	0.00108	1	12/05/2017 08:38	WG1049340
Styrene	U		0.000253	0.00108	1	12/05/2017 08:38	WG1049340
1,1,1,2-Tetrachloroethane	U		0.000285	0.00108	1	12/05/2017 08:38	WG1049340
1,1,2,2-Tetrachloroethane	U		0.000394	0.00108	1	12/05/2017 08:38	WG1049340
1,1,2-Trichlorotrifluoroethane	U		0.000394	0.00108	1	12/05/2017 08:38	WG1049340
Tetrachloroethene	0.0192		0.000298	0.00108	1	12/05/2017 08:38	WG1049340
Toluene	U		0.000468	0.00540	1	12/05/2017 08:38	WG1049340
1,2,3-Trichlorobenzene	U		0.000330	0.00108	1	12/05/2017 08:38	WG1049340
1,2,4-Trichlorobenzene	U		0.000419	0.00108	1	12/05/2017 08:38	WG1049340
1,1,1-Trichloroethane	U		0.000309	0.00108	1	12/05/2017 08:38	WG1049340
1,1,2-Trichloroethane	U		0.000299	0.00108	1	12/05/2017 08:38	WG1049340
Trichloroethene	0.00321		0.000301	0.00108	1	12/05/2017 08:38	WG1049340
Trichlorofluoromethane	U		0.000412	0.00540	1	12/05/2017 08:38	WG1049340
1,2,3-Trichloropropane	U		0.000800	0.00270	1	12/05/2017 08:38	WG1049340
1,2,4-Trimethylbenzene	U		0.000228	0.00108	1	12/05/2017 08:38	WG1049340
1,2,3-Trimethylbenzene	U		0.000310	0.00108	1	12/05/2017 08:38	WG1049340
1,3,5-Trimethylbenzene	U		0.000287	0.00108	1	12/05/2017 08:38	WG1049340
Vinyl acetate	U		0.00258	0.0108	1	12/05/2017 08:38	WG1049340
Vinyl chloride	U		0.000314	0.00108	1	12/05/2017 08:38	WG1049340
Xylenes, Total	U		0.000753	0.00324	1	12/05/2017 08:38	WG1049340
(S) Toluene-d8	*95.0*			*80.0-120*		*12/05/2017 08:38*	WG1049340
(S) Dibromofluoromethane	*121*			*74.0-131*		*12/05/2017 08:38*	WG1049340
(S) 4-Bromofluorobenzene	*98.8*			*64.0-132*		*12/05/2017 08:38*	WG1049340

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

Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch
Analyte	%			date / time	
Total Solids	78.2		1	12/07/2017 12:45	WG1050629

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

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.104	J V3	0.0279	0.139	2.18	12/05/2017 15:49	WG1049340
Acrylonitrile	U		0.00499	0.0279	2.18	12/05/2017 15:49	WG1049340
Benzene	0.00167	J V3	0.000754	0.00279	2.18	12/05/2017 15:49	WG1049340
Bromobenzene	U		0.000792	0.00279	2.18	12/05/2017 15:49	WG1049340
Bromodichloromethane	U		0.000709	0.00279	2.18	12/05/2017 15:49	WG1049340
Bromochloromethane	U		0.00109	0.0139	2.18	12/05/2017 15:49	WG1049340
Bromoform	U		0.00118	0.00279	2.18	12/05/2017 15:49	WG1049340
Bromomethane	U		0.00374	0.0139	2.18	12/05/2017 15:49	WG1049340
n-Butylbenzene	U		0.000719	0.00279	2.18	12/05/2017 15:49	WG1049340
sec-Butylbenzene	U		0.000560	0.00279	2.18	12/05/2017 15:49	WG1049340
tert-Butylbenzene	U		0.000574	0.00279	2.18	12/05/2017 15:49	WG1049340
Carbon disulfide	0.0211	V3	0.000617	0.00279	2.18	12/05/2017 15:49	WG1049340
Carbon tetrachloride	U		0.000915	0.00279	2.18	12/05/2017 15:49	WG1049340
Chlorobenzene	U		0.000591	0.00279	2.18	12/05/2017 15:49	WG1049340
Chlorodibromomethane	U		0.00104	0.00279	2.18	12/05/2017 15:49	WG1049340
Chloroethane	U		0.00264	0.0139	2.18	12/05/2017 15:49	WG1049340
Chloroform	U		0.000638	0.0139	2.18	12/05/2017 15:49	WG1049340
Chloromethane	U		0.00105	0.00697	2.18	12/05/2017 15:49	WG1049340
2-Chlorotoluene	U		0.000839	0.00279	2.18	12/05/2017 15:49	WG1049340
4-Chlorotoluene	U		0.000669	0.00279	2.18	12/05/2017 15:49	WG1049340
1,2-Dibromo-3-Chloropropane	U		0.00293	0.0139	2.18	12/05/2017 15:49	WG1049340
1,2-Dibromoethane	U		0.000957	0.00279	2.18	12/05/2017 15:49	WG1049340
Dibromomethane	U		0.00107	0.00279	2.18	12/05/2017 15:49	WG1049340
1,2-Dichlorobenzene	U		0.000851	0.00279	2.18	12/05/2017 15:49	WG1049340
1,3-Dichlorobenzene	U		0.000667	0.00279	2.18	12/05/2017 15:49	WG1049340
1,4-Dichlorobenzene	U		0.000631	0.00279	2.18	12/05/2017 15:49	WG1049340
Dichlorodifluoromethane	U		0.00198	0.0139	2.18	12/05/2017 15:49	WG1049340
1,1-Dichloroethane	U		0.000555	0.00279	2.18	12/05/2017 15:49	WG1049340
1,2-Dichloroethane	U		0.000739	0.00279	2.18	12/05/2017 15:49	WG1049340
1,1-Dichloroethene	0.00492	V3	0.000844	0.00279	2.18	12/05/2017 15:49	WG1049340
cis-1,2-Dichloroethene	0.0321	V3	0.000655	0.00279	2.18	12/05/2017 15:49	WG1049340
trans-1,2-Dichloroethene	U		0.000737	0.00279	2.18	12/05/2017 15:49	WG1049340
1,2-Dichloropropane	U		0.000998	0.00279	2.18	12/05/2017 15:49	WG1049340
1,1-Dichloropropene	U		0.000884	0.00279	2.18	12/05/2017 15:49	WG1049340
1,3-Dichloropropane	U		0.000577	0.00279	2.18	12/05/2017 15:49	WG1049340
cis-1,3-Dichloropropene	U		0.000731	0.00279	2.18	12/05/2017 15:49	WG1049340
trans-1,3-Dichloropropene	U		0.000745	0.00279	2.18	12/05/2017 15:49	WG1049340
trans-1,4-Dichloro-2-butene	U		0.00217	0.00697	2.18	12/05/2017 15:49	WG1049340
2,2-Dichloropropane	U		0.000778	0.00279	2.18	12/05/2017 15:49	WG1049340
Di-isopropyl ether	U		0.000692	0.00279	2.18	12/05/2017 15:49	WG1049340
Ethylbenzene	U		0.000828	0.00279	2.18	12/05/2017 15:49	WG1049340
Hexachloro-1,3-butadiene	U		0.000954	0.00279	2.18	12/05/2017 15:49	WG1049340
2-Hexanone	U		0.00383	0.0279	2.18	12/05/2017 15:49	WG1049340
n-Hexane	U		0.000809	0.0279	2.18	12/05/2017 15:49	WG1049340
Iodomethane	U		0.00706	0.0279	2.18	12/05/2017 15:49	WG1049340
Isopropylbenzene	U		0.000678	0.00279	2.18	12/05/2017 15:49	WG1049340
p-Isopropyltoluene	0.00104	J V3	0.000569	0.00279	2.18	12/05/2017 15:49	WG1049340
2-Butanone (MEK)	U		0.0130	0.0279	2.18	12/05/2017 15:49	WG1049340
Methylene Chloride	U		0.00279	0.0139	2.18	12/05/2017 15:49	WG1049340
4-Methyl-2-pentanone (MIBK)	U		0.00525	0.0279	2.18	12/05/2017 15:49	WG1049340

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

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000591	0.00279	2.18	12/05/2017 15:49	WG1049340
Naphthalene	U		0.00279	0.0139	2.18	12/05/2017 15:49	WG1049340
n-Propylbenzene	U		0.000574	0.00279	2.18	12/05/2017 15:49	WG1049340
Styrene	U		0.000652	0.00279	2.18	12/05/2017 15:49	WG1049340
1,1,1,2-Tetrachloroethane	U		0.000737	0.00279	2.18	12/05/2017 15:49	WG1049340
1,1,2,2-Tetrachloroethane	U		0.00102	0.00279	2.18	12/05/2017 15:49	WG1049340
1,1,2-Trichlorotrifluoroethane	U		0.00102	0.00279	2.18	12/05/2017 15:49	WG1049340
Tetrachloroethene	0.172	V3	0.000770	0.00279	2.18	12/05/2017 15:49	WG1049340
Toluene	0.00349	J V3	0.00121	0.0139	2.18	12/05/2017 15:49	WG1049340
1,2,3-Trichlorobenzene	U		0.000853	0.00279	2.18	12/05/2017 15:49	WG1049340
1,2,4-Trichlorobenzene	U		0.00108	0.00279	2.18	12/05/2017 15:49	WG1049340
1,1,1-Trichloroethane	U		0.000797	0.00279	2.18	12/05/2017 15:49	WG1049340
1,1,2-Trichloroethane	U		0.000773	0.00279	2.18	12/05/2017 15:49	WG1049340
Trichloroethene	0.0579	V3	0.000778	0.00279	2.18	12/05/2017 15:49	WG1049340
Trichlorofluoromethane	U		0.00107	0.0139	2.18	12/05/2017 15:49	WG1049340
1,2,3-Trichloropropane	U		0.00207	0.00697	2.18	12/05/2017 15:49	WG1049340
1,2,4-Trimethylbenzene	U		0.000589	0.00279	2.18	12/05/2017 15:49	WG1049340
1,2,3-Trimethylbenzene	U		0.000801	0.00279	2.18	12/05/2017 15:49	WG1049340
1,3,5-Trimethylbenzene	U		0.000742	0.00279	2.18	12/05/2017 15:49	WG1049340
Vinyl acetate	U		0.00667	0.0279	2.18	12/05/2017 15:49	WG1049340
Vinyl chloride	0.00824	V3	0.000811	0.00279	2.18	12/05/2017 15:49	WG1049340
Xylenes, Total	U		0.00194	0.00837	2.18	12/05/2017 15:49	WG1049340
(S) Toluene-d8	*89.9*			*80.0-120*		*12/05/2017 15:49*	WG1049340
(S) Dibromofluoromethane	*105*			*74.0-131*		*12/05/2017 15:49*	WG1049340
(S) 4-Bromofluorobenzene	*101*			*64.0-132*		*12/05/2017 15:49*	WG1049340

Sample Narrative:

L954694-25 WG1049340: Previous run also had low IS/SURR recovery. Matrix effect.

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	83.6		1	12/07/2017 12:28	WG1050630

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0141	0.0706	1.18	12/05/2017 16:10	WG1049340
Acrylonitrile	U		0.00252	0.0141	1.18	12/05/2017 16:10	WG1049340
Benzene	0.000420	J	0.000381	0.00141	1.18	12/05/2017 16:10	WG1049340
Bromobenzene	U		0.000401	0.00141	1.18	12/05/2017 16:10	WG1049340
Bromodichloromethane	U		0.000359	0.00141	1.18	12/05/2017 16:10	WG1049340
Bromochloromethane	U		0.000550	0.00706	1.18	12/05/2017 16:10	WG1049340
Bromoform	U		0.000598	0.00141	1.18	12/05/2017 16:10	WG1049340
Bromomethane	U		0.00189	0.00706	1.18	12/05/2017 16:10	WG1049340
n-Butylbenzene	U		0.000364	0.00141	1.18	12/05/2017 16:10	WG1049340
sec-Butylbenzene	U		0.000283	0.00141	1.18	12/05/2017 16:10	WG1049340
tert-Butylbenzene	U		0.000291	0.00141	1.18	12/05/2017 16:10	WG1049340
Carbon disulfide	U		0.000312	0.00141	1.18	12/05/2017 16:10	WG1049340
Carbon tetrachloride	U		0.000463	0.00141	1.18	12/05/2017 16:10	WG1049340
Chlorobenzene	U		0.000299	0.00141	1.18	12/05/2017 16:10	WG1049340
Chlorodibromomethane	U		0.000526	0.00141	1.18	12/05/2017 16:10	WG1049340
Chloroethane	U		0.00134	0.00706	1.18	12/05/2017 16:10	WG1049340
Chloroform	U		0.000323	0.00706	1.18	12/05/2017 16:10	WG1049340
Chloromethane	U		0.000529	0.00353	1.18	12/05/2017 16:10	WG1049340
2-Chlorotoluene	U		0.000425	0.00141	1.18	12/05/2017 16:10	WG1049340
4-Chlorotoluene	U		0.000338	0.00141	1.18	12/05/2017 16:10	WG1049340
1,2-Dibromo-3-Chloropropane	U		0.00148	0.00706	1.18	12/05/2017 16:10	WG1049340
1,2-Dibromoethane	U		0.000484	0.00141	1.18	12/05/2017 16:10	WG1049340
Dibromomethane	U		0.000539	0.00141	1.18	12/05/2017 16:10	WG1049340
1,2-Dichlorobenzene	U		0.000431	0.00141	1.18	12/05/2017 16:10	WG1049340
1,3-Dichlorobenzene	U		0.000337	0.00141	1.18	12/05/2017 16:10	WG1049340
1,4-Dichlorobenzene	U		0.000319	0.00141	1.18	12/05/2017 16:10	WG1049340
Dichlorodifluoromethane	U		0.00101	0.00706	1.18	12/05/2017 16:10	WG1049340
1,1-Dichloroethane	U		0.000281	0.00141	1.18	12/05/2017 16:10	WG1049340
1,2-Dichloroethane	U		0.000374	0.00141	1.18	12/05/2017 16:10	WG1049340
1,1-Dichloroethene	U		0.000428	0.00141	1.18	12/05/2017 16:10	WG1049340
cis-1,2-Dichloroethene	0.0101		0.000331	0.00141	1.18	12/05/2017 16:10	WG1049340
trans-1,2-Dichloroethene	U		0.000373	0.00141	1.18	12/05/2017 16:10	WG1049340
1,2-Dichloropropane	U		0.000505	0.00141	1.18	12/05/2017 16:10	WG1049340
1,1-Dichloropropene	U		0.000447	0.00141	1.18	12/05/2017 16:10	WG1049340
1,3-Dichloropropane	U		0.000292	0.00141	1.18	12/05/2017 16:10	WG1049340
cis-1,3-Dichloropropene	U		0.000370	0.00141	1.18	12/05/2017 16:10	WG1049340
trans-1,3-Dichloropropene	U		0.000377	0.00141	1.18	12/05/2017 16:10	WG1049340
trans-1,4-Dichloro-2-butene	U		0.00110	0.00353	1.18	12/05/2017 16:10	WG1049340
2,2-Dichloropropane	U		0.000393	0.00141	1.18	12/05/2017 16:10	WG1049340
Di-isopropyl ether	U		0.000350	0.00141	1.18	12/05/2017 16:10	WG1049340
Ethylbenzene	U		0.000419	0.00141	1.18	12/05/2017 16:10	WG1049340
Hexachloro-1,3-butadiene	U		0.000483	0.00141	1.18	12/05/2017 16:10	WG1049340
2-Hexanone	U		0.00194	0.0141	1.18	12/05/2017 16:10	WG1049340
n-Hexane	U		0.000409	0.0141	1.18	12/05/2017 16:10	WG1049340
Iodomethane	U		0.00356	0.0141	1.18	12/05/2017 16:10	WG1049340
Isopropylbenzene	U		0.000343	0.00141	1.18	12/05/2017 16:10	WG1049340
p-Isopropyltoluene	U		0.000288	0.00141	1.18	12/05/2017 16:10	WG1049340
2-Butanone (MEK)	U		0.00660	0.0141	1.18	12/05/2017 16:10	WG1049340
Methylene Chloride	U		0.00141	0.00706	1.18	12/05/2017 16:10	WG1049340
4-Methyl-2-pentanone (MIBK)	U		0.00265	0.0141	1.18	12/05/2017 16:10	WG1049340

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000299	0.00141	1.18	12/05/2017 16:10	WG1049340
Naphthalene	U		0.00141	0.00706	1.18	12/05/2017 16:10	WG1049340
n-Propylbenzene	U		0.000291	0.00141	1.18	12/05/2017 16:10	WG1049340
Styrene	U		0.000330	0.00141	1.18	12/05/2017 16:10	WG1049340
1,1,1,2-Tetrachloroethane	U		0.000373	0.00141	1.18	12/05/2017 16:10	WG1049340
1,1,2,2-Tetrachloroethane	U		0.000515	0.00141	1.18	12/05/2017 16:10	WG1049340
1,1,2-Trichlorotrifluoroethane	U		0.000515	0.00141	1.18	12/05/2017 16:10	WG1049340
Tetrachloroethene	0.0231		0.000390	0.00141	1.18	12/05/2017 16:10	WG1049340
Toluene	U		0.000612	0.00706	1.18	12/05/2017 16:10	WG1049340
1,2,3-Trichlorobenzene	U		0.000432	0.00141	1.18	12/05/2017 16:10	WG1049340
1,2,4-Trichlorobenzene	U		0.000548	0.00141	1.18	12/05/2017 16:10	WG1049340
1,1,1-Trichloroethane	U		0.000403	0.00141	1.18	12/05/2017 16:10	WG1049340
1,1,2-Trichloroethane	U		0.000391	0.00141	1.18	12/05/2017 16:10	WG1049340
Trichloroethene	0.00524		0.000393	0.00141	1.18	12/05/2017 16:10	WG1049340
Trichlorofluoromethane	U		0.000539	0.00706	1.18	12/05/2017 16:10	WG1049340
1,2,3-Trichloropropane	U		0.00105	0.00353	1.18	12/05/2017 16:10	WG1049340
1,2,4-Trimethylbenzene	U		0.000298	0.00141	1.18	12/05/2017 16:10	WG1049340
1,2,3-Trimethylbenzene	U		0.000405	0.00141	1.18	12/05/2017 16:10	WG1049340
1,3,5-Trimethylbenzene	U		0.000376	0.00141	1.18	12/05/2017 16:10	WG1049340
Vinyl acetate	U		0.00337	0.0141	1.18	12/05/2017 16:10	WG1049340
Vinyl chloride	0.00358		0.000410	0.00141	1.18	12/05/2017 16:10	WG1049340
Xylenes, Total	U		0.000985	0.00423	1.18	12/05/2017 16:10	WG1049340
(S) Toluene-d8	*91.0*			*80.0-120*		*12/05/2017 16:10*	WG1049340
(S) Dibromofluoromethane	*105*			*74.0-131*		*12/05/2017 16:10*	WG1049340
(S) 4-Bromofluorobenzene	*98.8*			*64.0-132*		*12/05/2017 16:10*	WG1049340

B-233-21

Collected date/time: 12/01/17 12:55

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

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	87.6		1	12/07/2017 13:29	WG1050619

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.285	1.43	25	12/06/2017 15:46	WG1050240
Acrylonitrile	U		0.0511	0.285	25	12/06/2017 15:46	WG1050240
Benzene	U		0.00770	0.0285	25	12/06/2017 15:46	WG1050240
Bromobenzene	U		0.00810	0.0285	25	12/06/2017 15:46	WG1050240
Bromodichloromethane	U		0.00724	0.0285	25	12/06/2017 15:46	WG1050240
Bromochloromethane	U		0.0111	0.143	25	12/06/2017 15:46	WG1050240
Bromoform	U		0.0121	0.0285	25	12/06/2017 15:46	WG1050240
Bromomethane	U	J0	0.0382	0.143	25	12/06/2017 15:46	WG1050240
n-Butylbenzene	U		0.00736	0.0285	25	12/06/2017 15:46	WG1050240
sec-Butylbenzene	U		0.00573	0.0285	25	12/06/2017 15:46	WG1050240
tert-Butylbenzene	U		0.00588	0.0285	25	12/06/2017 15:46	WG1050240
Carbon disulfide	U		0.00630	0.0285	25	12/06/2017 15:46	WG1050240
Carbon tetrachloride	U		0.00936	0.0285	25	12/06/2017 15:46	WG1050240
Chlorobenzene	U		0.00605	0.0285	25	12/06/2017 15:46	WG1050240
Chlorodibromomethane	U		0.0106	0.0285	25	12/06/2017 15:46	WG1050240
Chloroethane	U		0.0269	0.143	25	12/06/2017 15:46	WG1050240
Chloroform	U		0.00653	0.143	25	12/06/2017 15:46	WG1050240
Chloromethane	U		0.0107	0.0713	25	12/06/2017 15:46	WG1050240
2-Chlorotoluene	U		0.00858	0.0285	25	12/06/2017 15:46	WG1050240
4-Chlorotoluene	U		0.00685	0.0285	25	12/06/2017 15:46	WG1050240
1,2-Dibromo-3-Chloropropane	U		0.0299	0.143	25	12/06/2017 15:46	WG1050240
1,2-Dibromoethane	U		0.00979	0.0285	25	12/06/2017 15:46	WG1050240
Dibromomethane	U		0.0109	0.0285	25	12/06/2017 15:46	WG1050240
1,2-Dichlorobenzene	U		0.00869	0.0285	25	12/06/2017 15:46	WG1050240
1,3-Dichlorobenzene	U		0.00682	0.0285	25	12/06/2017 15:46	WG1050240
1,4-Dichlorobenzene	U		0.00645	0.0285	25	12/06/2017 15:46	WG1050240
Dichlorodifluoromethane	U		0.0203	0.143	25	12/06/2017 15:46	WG1050240
1,1-Dichloroethane	U		0.00568	0.0285	25	12/06/2017 15:46	WG1050240
1,2-Dichloroethane	U		0.00755	0.0285	25	12/06/2017 15:46	WG1050240
1,1-Dichloroethene	U		0.00865	0.0285	25	12/06/2017 15:46	WG1050240
cis-1,2-Dichloroethene	0.645		0.00671	0.0285	25	12/06/2017 15:46	WG1050240
trans-1,2-Dichloroethene	0.00859	J	0.00753	0.0285	25	12/06/2017 15:46	WG1050240
1,2-Dichloropropane	U		0.0102	0.0285	25	12/06/2017 15:46	WG1050240
1,1-Dichloropropene	U		0.00904	0.0285	25	12/06/2017 15:46	WG1050240
1,3-Dichloropropane	U		0.00591	0.0285	25	12/06/2017 15:46	WG1050240
cis-1,3-Dichloropropene	U		0.00747	0.0285	25	12/06/2017 15:46	WG1050240
trans-1,3-Dichloropropene	U		0.00762	0.0285	25	12/06/2017 15:46	WG1050240
trans-1,4-Dichloro-2-butene	U		0.0221	0.0713	25	12/06/2017 15:46	WG1050240
2,2-Dichloropropane	U	J0 J4	0.00796	0.0285	25	12/06/2017 15:46	WG1050240
Di-isopropyl ether	U		0.00707	0.0285	25	12/06/2017 15:46	WG1050240
Ethylbenzene	U		0.00847	0.0285	25	12/06/2017 15:46	WG1050240
Hexachloro-1,3-butadiene	U	J0	0.00975	0.0285	25	12/06/2017 15:46	WG1050240
2-Hexanone	U		0.0390	0.285	25	12/06/2017 15:46	WG1050240
n-Hexane	U		0.00827	0.285	25	12/06/2017 15:46	WG1050240
Iodomethane	U		0.0721	0.285	25	12/06/2017 15:46	WG1050240
Isopropylbenzene	U		0.00694	0.0285	25	12/06/2017 15:46	WG1050240
p-Isopropyltoluene	U		0.00582	0.0285	25	12/06/2017 15:46	WG1050240
2-Butanone (MEK)	U		0.133	0.285	25	12/06/2017 15:46	WG1050240
Methylene Chloride	U		0.0285	0.143	25	12/06/2017 15:46	WG1050240
4-Methyl-2-pentanone (MIBK)	U		0.0536	0.285	25	12/06/2017 15:46	WG1050240

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.00605	0.0285	25	12/06/2017 15:46	WG1050240
Naphthalene	U		0.0285	0.143	25	12/06/2017 15:46	WG1050240
n-Propylbenzene	U		0.00588	0.0285	25	12/06/2017 15:46	WG1050240
Styrene	U		0.00667	0.0285	25	12/06/2017 15:46	WG1050240
1,1,1,2-Tetrachloroethane	U		0.00753	0.0285	25	12/06/2017 15:46	WG1050240
1,1,2,2-Tetrachloroethane	U		0.0104	0.0285	25	12/06/2017 15:46	WG1050240
1,1,2-Trichlorotrifluoroethane	U		0.0104	0.0285	25	12/06/2017 15:46	WG1050240
Tetrachloroethene	8.23		0.157	0.570	500	12/06/2017 21:55	WG1050240
Toluene	U		0.0123	0.143	25	12/06/2017 15:46	WG1050240
1,2,3-Trichlorobenzene	U		0.00873	0.0285	25	12/06/2017 15:46	WG1050240
1,2,4-Trichlorobenzene	U		0.0111	0.0285	25	12/06/2017 15:46	WG1050240
1,1,1-Trichloroethane	U		0.00816	0.0285	25	12/06/2017 15:46	WG1050240
1,1,2-Trichloroethane	U		0.00790	0.0285	25	12/06/2017 15:46	WG1050240
Trichloroethene	0.434		0.00796	0.0285	25	12/06/2017 15:46	WG1050240
Trichlorofluoromethane	U		0.0109	0.143	25	12/06/2017 15:46	WG1050240
1,2,3-Trichloropropane	U		0.0211	0.0713	25	12/06/2017 15:46	WG1050240
1,2,4-Trimethylbenzene	U		0.00602	0.0285	25	12/06/2017 15:46	WG1050240
1,2,3-Trimethylbenzene	U		0.00819	0.0285	25	12/06/2017 15:46	WG1050240
1,3,5-Trimethylbenzene	U		0.00759	0.0285	25	12/06/2017 15:46	WG1050240
Vinyl acetate	U		0.0682	0.285	25	12/06/2017 15:46	WG1050240
Vinyl chloride	0.0584		0.00831	0.0285	25	12/06/2017 15:46	WG1050240
Xylenes, Total	U		0.0199	0.0856	25	12/06/2017 15:46	WG1050240
(S) Toluene-d8	*102*			*80.0-120*		*12/06/2017 15:46*	WG1050240
(S) Toluene-d8	*104*			*80.0-120*		*12/06/2017 21:55*	WG1050240
(S) Dibromofluoromethane	*95.5*			*74.0-131*		*12/06/2017 15:46*	WG1050240
(S) Dibromofluoromethane	*102*			*74.0-131*		*12/06/2017 21:55*	WG1050240
(S) 4-Bromofluorobenzene	*100*			*64.0-132*		*12/06/2017 15:46*	WG1050240
(S) 4-Bromofluorobenzene	*99.7*			*64.0-132*		*12/06/2017 21:55*	WG1050240

Sample Narrative:

L954694-27 WG1050240: Cannot be analyzed at a lower dilution due to high levels of target analytes.

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

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	83.7		1	12/07/2017 12:45	WG1050629

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.598	2.99	50	12/06/2017 16:07	WG1050240
Acrylonitrile	U		0.107	0.598	50	12/06/2017 16:07	WG1050240
Benzene	U		0.0161	0.0598	50	12/06/2017 16:07	WG1050240
Bromobenzene	U		0.0170	0.0598	50	12/06/2017 16:07	WG1050240
Bromodichloromethane	U		0.0152	0.0598	50	12/06/2017 16:07	WG1050240
Bromochloromethane	U		0.0233	0.299	50	12/06/2017 16:07	WG1050240
Bromoform	U		0.0253	0.0598	50	12/06/2017 16:07	WG1050240
Bromomethane	U	J0	0.0801	0.299	50	12/06/2017 16:07	WG1050240
n-Butylbenzene	U		0.0154	0.0598	50	12/06/2017 16:07	WG1050240
sec-Butylbenzene	U		0.0120	0.0598	50	12/06/2017 16:07	WG1050240
tert-Butylbenzene	U		0.0123	0.0598	50	12/06/2017 16:07	WG1050240
Carbon disulfide	U		0.0131	0.0598	50	12/06/2017 16:07	WG1050240
Carbon tetrachloride	U		0.0196	0.0598	50	12/06/2017 16:07	WG1050240
Chlorobenzene	U		0.0127	0.0598	50	12/06/2017 16:07	WG1050240
Chlorodibromomethane	U		0.0222	0.0598	50	12/06/2017 16:07	WG1050240
Chloroethane	U		0.0565	0.299	50	12/06/2017 16:07	WG1050240
Chloroform	U		0.0136	0.299	50	12/06/2017 16:07	WG1050240
Chloromethane	U		0.0225	0.149	50	12/06/2017 16:07	WG1050240
2-Chlorotoluene	U		0.0179	0.0598	50	12/06/2017 16:07	WG1050240
4-Chlorotoluene	U		0.0143	0.0598	50	12/06/2017 16:07	WG1050240
1,2-Dibromo-3-Chloropropane	U		0.0628	0.299	50	12/06/2017 16:07	WG1050240
1,2-Dibromoethane	U		0.0206	0.0598	50	12/06/2017 16:07	WG1050240
Dibromomethane	U		0.0228	0.0598	50	12/06/2017 16:07	WG1050240
1,2-Dichlorobenzene	U		0.0182	0.0598	50	12/06/2017 16:07	WG1050240
1,3-Dichlorobenzene	U		0.0143	0.0598	50	12/06/2017 16:07	WG1050240
1,4-Dichlorobenzene	U		0.0135	0.0598	50	12/06/2017 16:07	WG1050240
Dichlorodifluoromethane	U		0.0426	0.299	50	12/06/2017 16:07	WG1050240
1,1-Dichloroethane	U		0.0119	0.0598	50	12/06/2017 16:07	WG1050240
1,2-Dichloroethane	U		0.0158	0.0598	50	12/06/2017 16:07	WG1050240
1,1-Dichloroethene	U		0.0182	0.0598	50	12/06/2017 16:07	WG1050240
cis-1,2-Dichloroethene	2.40		0.0141	0.0598	50	12/06/2017 16:07	WG1050240
trans-1,2-Dichloroethene	U		0.0158	0.0598	50	12/06/2017 16:07	WG1050240
1,2-Dichloropropane	U		0.0214	0.0598	50	12/06/2017 16:07	WG1050240
1,1-Dichloropropene	U		0.0189	0.0598	50	12/06/2017 16:07	WG1050240
1,3-Dichloropropane	U		0.0124	0.0598	50	12/06/2017 16:07	WG1050240
cis-1,3-Dichloropropene	U		0.0157	0.0598	50	12/06/2017 16:07	WG1050240
trans-1,3-Dichloropropene	U		0.0160	0.0598	50	12/06/2017 16:07	WG1050240
trans-1,4-Dichloro-2-butene	U		0.0465	0.149	50	12/06/2017 16:07	WG1050240
2,2-Dichloropropane	U	J0 J4	0.0167	0.0598	50	12/06/2017 16:07	WG1050240
Di-isopropyl ether	U		0.0148	0.0598	50	12/06/2017 16:07	WG1050240
Ethylbenzene	U		0.0177	0.0598	50	12/06/2017 16:07	WG1050240
Hexachloro-1,3-butadiene	U	J0	0.0204	0.0598	50	12/06/2017 16:07	WG1050240
2-Hexanone	U		0.0819	0.598	50	12/06/2017 16:07	WG1050240
n-Hexane	U		0.0173	0.598	50	12/06/2017 16:07	WG1050240
Iodomethane	U		0.151	0.598	50	12/06/2017 16:07	WG1050240
Isopropylbenzene	U		0.0146	0.0598	50	12/06/2017 16:07	WG1050240
p-Isopropyltoluene	U		0.0122	0.0598	50	12/06/2017 16:07	WG1050240
2-Butanone (MEK)	U		0.280	0.598	50	12/06/2017 16:07	WG1050240
Methylene Chloride	U		0.0598	0.299	50	12/06/2017 16:07	WG1050240
4-Methyl-2-pentanone (MIBK)	U		0.112	0.598	50	12/06/2017 16:07	WG1050240

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.0127	0.0598	50	12/06/2017 16:07	WG1050240
Naphthalene	U		0.0598	0.299	50	12/06/2017 16:07	WG1050240
n-Propylbenzene	U		0.0123	0.0598	50	12/06/2017 16:07	WG1050240
Styrene	U		0.0140	0.0598	50	12/06/2017 16:07	WG1050240
1,1,1,2-Tetrachloroethane	U		0.0158	0.0598	50	12/06/2017 16:07	WG1050240
1,1,2,2-Tetrachloroethane	U		0.0218	0.0598	50	12/06/2017 16:07	WG1050240
1,1,2-Trichlorotrifluoroethane	U		0.0218	0.0598	50	12/06/2017 16:07	WG1050240
Tetrachloroethene	9.90		0.165	0.598	500	12/06/2017 22:14	WG1050240
Toluene	U		0.0259	0.299	50	12/06/2017 16:07	WG1050240
1,2,3-Trichlorobenzene	U		0.0183	0.0598	50	12/06/2017 16:07	WG1050240
1,2,4-Trichlorobenzene	U		0.0232	0.0598	50	12/06/2017 16:07	WG1050240
1,1,1-Trichloroethane	U		0.0171	0.0598	50	12/06/2017 16:07	WG1050240
1,1,2-Trichloroethane	U		0.0165	0.0598	50	12/06/2017 16:07	WG1050240
Trichloroethene	2.55		0.0167	0.0598	50	12/06/2017 16:07	WG1050240
Trichlorofluoromethane	U		0.0228	0.299	50	12/06/2017 16:07	WG1050240
1,2,3-Trichloropropane	U		0.0442	0.149	50	12/06/2017 16:07	WG1050240
1,2,4-Trimethylbenzene	U		0.0127	0.0598	50	12/06/2017 16:07	WG1050240
1,2,3-Trimethylbenzene	U		0.0172	0.0598	50	12/06/2017 16:07	WG1050240
1,3,5-Trimethylbenzene	U		0.0159	0.0598	50	12/06/2017 16:07	WG1050240
Vinyl acetate	U		0.143	0.598	50	12/06/2017 16:07	WG1050240
Vinyl chloride	0.0261	J	0.0175	0.0598	50	12/06/2017 16:07	WG1050240
Xylenes, Total	U		0.0417	0.179	50	12/06/2017 16:07	WG1050240
(S) Toluene-d8	*102*			*80.0-120*		*12/06/2017 16:07*	WG1050240
(S) Toluene-d8	*102*			*80.0-120*		*12/06/2017 22:14*	WG1050240
(S) Dibromofluoromethane	*96.7*			*74.0-131*		*12/06/2017 16:07*	WG1050240
(S) Dibromofluoromethane	*104*			*74.0-131*		*12/06/2017 22:14*	WG1050240
(S) 4-Bromofluorobenzene	*98.5*			*64.0-132*		*12/06/2017 22:14*	WG1050240
(S) 4-Bromofluorobenzene	*99.7*			*64.0-132*		*12/06/2017 16:07*	WG1050240

Sample Narrative:

L954694-28 WG1050240: Cannot be analyzed at a lower dilution due to high levels of target analytes.

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

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	80.4		1	12/07/2017 13:29	WG1050619

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.311	1.55	25	12/06/2017 16:28	WG1050240
Acrylonitrile	U		0.0557	0.311	25	12/06/2017 16:28	WG1050240
Benzene	U		0.00839	0.0311	25	12/06/2017 16:28	WG1050240
Bromobenzene	U		0.00883	0.0311	25	12/06/2017 16:28	WG1050240
Bromodichloromethane	U		0.00790	0.0311	25	12/06/2017 16:28	WG1050240
Bromochloromethane	U		0.0121	0.155	25	12/06/2017 16:28	WG1050240
Bromoform	U		0.0132	0.0311	25	12/06/2017 16:28	WG1050240
Bromomethane	U	J0	0.0417	0.155	25	12/06/2017 16:28	WG1050240
n-Butylbenzene	U		0.00802	0.0311	25	12/06/2017 16:28	WG1050240
sec-Butylbenzene	U		0.00624	0.0311	25	12/06/2017 16:28	WG1050240
tert-Butylbenzene	U		0.00640	0.0311	25	12/06/2017 16:28	WG1050240
Carbon disulfide	U		0.00686	0.0311	25	12/06/2017 16:28	WG1050240
Carbon tetrachloride	U		0.0102	0.0311	25	12/06/2017 16:28	WG1050240
Chlorobenzene	U		0.00659	0.0311	25	12/06/2017 16:28	WG1050240
Chlorodibromomethane	U		0.0116	0.0311	25	12/06/2017 16:28	WG1050240
Chloroethane	U		0.0293	0.155	25	12/06/2017 16:28	WG1050240
Chloroform	U		0.00711	0.155	25	12/06/2017 16:28	WG1050240
Chloromethane	U		0.0117	0.0777	25	12/06/2017 16:28	WG1050240
2-Chlorotoluene	U		0.00935	0.0311	25	12/06/2017 16:28	WG1050240
4-Chlorotoluene	U		0.00746	0.0311	25	12/06/2017 16:28	WG1050240
1,2-Dibromo-3-Chloropropane	U		0.0326	0.155	25	12/06/2017 16:28	WG1050240
1,2-Dibromoethane	U		0.0107	0.0311	25	12/06/2017 16:28	WG1050240
Dibromomethane	U		0.0119	0.0311	25	12/06/2017 16:28	WG1050240
1,2-Dichlorobenzene	U		0.00947	0.0311	25	12/06/2017 16:28	WG1050240
1,3-Dichlorobenzene	U		0.00744	0.0311	25	12/06/2017 16:28	WG1050240
1,4-Dichlorobenzene	U		0.00703	0.0311	25	12/06/2017 16:28	WG1050240
Dichlorodifluoromethane	U		0.0221	0.155	25	12/06/2017 16:28	WG1050240
1,1-Dichloroethane	U		0.00619	0.0311	25	12/06/2017 16:28	WG1050240
1,2-Dichloroethane	U		0.00823	0.0311	25	12/06/2017 16:28	WG1050240
1,1-Dichloroethene	U		0.00942	0.0311	25	12/06/2017 16:28	WG1050240
cis-1,2-Dichloroethene	1.65		0.00731	0.0311	25	12/06/2017 16:28	WG1050240
trans-1,2-Dichloroethene	U		0.00821	0.0311	25	12/06/2017 16:28	WG1050240
1,2-Dichloropropane	U		0.0111	0.0311	25	12/06/2017 16:28	WG1050240
1,1-Dichloropropene	U		0.00985	0.0311	25	12/06/2017 16:28	WG1050240
1,3-Dichloropropane	U		0.00644	0.0311	25	12/06/2017 16:28	WG1050240
cis-1,3-Dichloropropene	U		0.00814	0.0311	25	12/06/2017 16:28	WG1050240
trans-1,3-Dichloropropene	U		0.00831	0.0311	25	12/06/2017 16:28	WG1050240
trans-1,4-Dichloro-2-butene	U		0.0241	0.0777	25	12/06/2017 16:28	WG1050240
2,2-Dichloropropane	U	J0 J4	0.00868	0.0311	25	12/06/2017 16:28	WG1050240
Di-isopropyl ether	U		0.00771	0.0311	25	12/06/2017 16:28	WG1050240
Ethylbenzene	U		0.00923	0.0311	25	12/06/2017 16:28	WG1050240
Hexachloro-1,3-butadiene	U	J0	0.0106	0.0311	25	12/06/2017 16:28	WG1050240
2-Hexanone	U		0.0425	0.311	25	12/06/2017 16:28	WG1050240
n-Hexane	U		0.00901	0.311	25	12/06/2017 16:28	WG1050240
Iodomethane	U		0.0786	0.311	25	12/06/2017 16:28	WG1050240
Isopropylbenzene	U		0.00756	0.0311	25	12/06/2017 16:28	WG1050240
p-Isopropyltoluene	U		0.00634	0.0311	25	12/06/2017 16:28	WG1050240
2-Butanone (MEK)	U		0.145	0.311	25	12/06/2017 16:28	WG1050240
Methylene Chloride	U		0.0311	0.155	25	12/06/2017 16:28	WG1050240
4-Methyl-2-pentanone (MIBK)	U		0.0584	0.311	25	12/06/2017 16:28	WG1050240

B-233-31

Collected date/time: 12/01/17 13:20

SAMPLE RESULTS - 29

L954694

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.00659	0.0311	25	12/06/2017 16:28	WG1050240
Naphthalene	U		0.0311	0.155	25	12/06/2017 16:28	WG1050240
n-Propylbenzene	U		0.00640	0.0311	25	12/06/2017 16:28	WG1050240
Styrene	U		0.00727	0.0311	25	12/06/2017 16:28	WG1050240
1,1,1,2-Tetrachloroethane	U		0.00821	0.0311	25	12/06/2017 16:28	WG1050240
1,1,2,2-Tetrachloroethane	U		0.0113	0.0311	25	12/06/2017 16:28	WG1050240
1,1,2-Trichlorotrifluoroethane	U		0.0113	0.0311	25	12/06/2017 16:28	WG1050240
Tetrachloroethene	17.3		0.172	0.622	500	12/06/2017 22:34	WG1050240
Toluene	U		0.0134	0.155	25	12/06/2017 16:28	WG1050240
1,2,3-Trichlorobenzene	U		0.00951	0.0311	25	12/06/2017 16:28	WG1050240
1,2,4-Trichlorobenzene	U		0.0121	0.0311	25	12/06/2017 16:28	WG1050240
1,1,1-Trichloroethane	U		0.00889	0.0311	25	12/06/2017 16:28	WG1050240
1,1,2-Trichloroethane	U		0.00860	0.0311	25	12/06/2017 16:28	WG1050240
Trichloroethene	1.99		0.00868	0.0311	25	12/06/2017 16:28	WG1050240
Trichlorofluoromethane	U		0.0119	0.155	25	12/06/2017 16:28	WG1050240
1,2,3-Trichloropropane	U		0.0230	0.0777	25	12/06/2017 16:28	WG1050240
1,2,4-Trimethylbenzene	U		0.00657	0.0311	25	12/06/2017 16:28	WG1050240
1,2,3-Trimethylbenzene	U		0.00893	0.0311	25	12/06/2017 16:28	WG1050240
1,3,5-Trimethylbenzene	U		0.00827	0.0311	25	12/06/2017 16:28	WG1050240
Vinyl acetate	U		0.0744	0.311	25	12/06/2017 16:28	WG1050240
Vinyl chloride	0.0519		0.00905	0.0311	25	12/06/2017 16:28	WG1050240
Xylenes, Total	U		0.0216	0.0933	25	12/06/2017 16:28	WG1050240
(S) Toluene-d8	*105*			*80.0-120*		*12/06/2017 22:34*	WG1050240
(S) Toluene-d8	*102*			*80.0-120*		*12/06/2017 16:28*	WG1050240
(S) Dibromofluoromethane	*96.9*			*74.0-131*		*12/06/2017 16:28*	WG1050240
(S) Dibromofluoromethane	*103*			*74.0-131*		*12/06/2017 22:34*	WG1050240
(S) 4-Bromofluorobenzene	*98.3*			*64.0-132*		*12/06/2017 16:28*	WG1050240
(S) 4-Bromofluorobenzene	*100*			*64.0-132*		*12/06/2017 22:34*	WG1050240

Sample Narrative:

L954694-29 WG1050240: Cannot be analyzed at a lower dilution due to high levels of target analytes.

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

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	88.8		1	12/07/2017 13:29	WG1050619

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.281	1.41	25	12/05/2017 09:39	WG1049340
Acrylonitrile	U		0.0504	0.281	25	12/05/2017 09:39	WG1049340
Benzene	U		0.00760	0.0281	25	12/05/2017 09:39	WG1049340
Bromobenzene	U		0.00799	0.0281	25	12/05/2017 09:39	WG1049340
Bromodichloromethane	U		0.00715	0.0281	25	12/05/2017 09:39	WG1049340
Bromochloromethane	U		0.0110	0.141	25	12/05/2017 09:39	WG1049340
Bromoform	U		0.0119	0.0281	25	12/05/2017 09:39	WG1049340
Bromomethane	U		0.0377	0.141	25	12/05/2017 09:39	WG1049340
n-Butylbenzene	U		0.00726	0.0281	25	12/05/2017 09:39	WG1049340
sec-Butylbenzene	U		0.00565	0.0281	25	12/05/2017 09:39	WG1049340
tert-Butylbenzene	U		0.00580	0.0281	25	12/05/2017 09:39	WG1049340
Carbon disulfide	U		0.00621	0.0281	25	12/05/2017 09:39	WG1049340
Carbon tetrachloride	U		0.00923	0.0281	25	12/05/2017 09:39	WG1049340
Chlorobenzene	U		0.00597	0.0281	25	12/05/2017 09:39	WG1049340
Chlorodibromomethane	U		0.0105	0.0281	25	12/05/2017 09:39	WG1049340
Chloroethane	U		0.0266	0.141	25	12/05/2017 09:39	WG1049340
Chloroform	U		0.00644	0.141	25	12/05/2017 09:39	WG1049340
Chloromethane	U		0.0106	0.0703	25	12/05/2017 09:39	WG1049340
2-Chlorotoluene	U		0.00846	0.0281	25	12/05/2017 09:39	WG1049340
4-Chlorotoluene	U		0.00675	0.0281	25	12/05/2017 09:39	WG1049340
1,2-Dibromo-3-Chloropropane	U		0.0295	0.141	25	12/05/2017 09:39	WG1049340
1,2-Dibromoethane	U		0.00966	0.0281	25	12/05/2017 09:39	WG1049340
Dibromomethane	U		0.0107	0.0281	25	12/05/2017 09:39	WG1049340
1,2-Dichlorobenzene	U		0.00858	0.0281	25	12/05/2017 09:39	WG1049340
1,3-Dichlorobenzene	U		0.00673	0.0281	25	12/05/2017 09:39	WG1049340
1,4-Dichlorobenzene	U		0.00636	0.0281	25	12/05/2017 09:39	WG1049340
Dichlorodifluoromethane	U		0.0200	0.141	25	12/05/2017 09:39	WG1049340
1,1-Dichloroethane	U		0.00561	0.0281	25	12/05/2017 09:39	WG1049340
1,2-Dichloroethane	U		0.00745	0.0281	25	12/05/2017 09:39	WG1049340
1,1-Dichloroethene	U		0.00853	0.0281	25	12/05/2017 09:39	WG1049340
cis-1,2-Dichloroethene	0.969		0.00662	0.0281	25	12/05/2017 09:39	WG1049340
trans-1,2-Dichloroethene	U		0.00743	0.0281	25	12/05/2017 09:39	WG1049340
1,2-Dichloropropane	U		0.0101	0.0281	25	12/05/2017 09:39	WG1049340
1,1-Dichloropropene	U		0.00891	0.0281	25	12/05/2017 09:39	WG1049340
1,3-Dichloropropane	U		0.00583	0.0281	25	12/05/2017 09:39	WG1049340
cis-1,3-Dichloropropene	U		0.00737	0.0281	25	12/05/2017 09:39	WG1049340
trans-1,3-Dichloropropene	U		0.00752	0.0281	25	12/05/2017 09:39	WG1049340
trans-1,4-Dichloro-2-butene	U		0.0218	0.0703	25	12/05/2017 09:39	WG1049340
2,2-Dichloropropane	U		0.00786	0.0281	25	12/05/2017 09:39	WG1049340
Di-isopropyl ether	U		0.00698	0.0281	25	12/05/2017 09:39	WG1049340
Ethylbenzene	U		0.00835	0.0281	25	12/05/2017 09:39	WG1049340
Hexachloro-1,3-butadiene	U		0.00962	0.0281	25	12/05/2017 09:39	WG1049340
2-Hexanone	U		0.0385	0.281	25	12/05/2017 09:39	WG1049340
n-Hexane	U		0.00816	0.281	25	12/05/2017 09:39	WG1049340
Iodomethane	U		0.0711	0.281	25	12/05/2017 09:39	WG1049340
Isopropylbenzene	U		0.00684	0.0281	25	12/05/2017 09:39	WG1049340
p-Isopropyltoluene	U		0.00574	0.0281	25	12/05/2017 09:39	WG1049340
2-Butanone (MEK)	U		0.132	0.281	25	12/05/2017 09:39	WG1049340
Methylene Chloride	U		0.0281	0.141	25	12/05/2017 09:39	WG1049340
4-Methyl-2-pentanone (MIBK)	U		0.0529	0.281	25	12/05/2017 09:39	WG1049340

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.00597	0.0281	25	12/05/2017 09:39	WG1049340
Naphthalene	U		0.0281	0.141	25	12/05/2017 09:39	WG1049340
n-Propylbenzene	U		0.00580	0.0281	25	12/05/2017 09:39	WG1049340
Styrene	U		0.00658	0.0281	25	12/05/2017 09:39	WG1049340
1,1,1,2-Tetrachloroethane	U		0.00743	0.0281	25	12/05/2017 09:39	WG1049340
1,1,2,2-Tetrachloroethane	U		0.0103	0.0281	25	12/05/2017 09:39	WG1049340
1,1,2-Trichlorotrifluoroethane	U		0.0103	0.0281	25	12/05/2017 09:39	WG1049340
Tetrachloroethene	6.26		0.0621	0.225	200	12/05/2017 22:11	WG1049340
Toluene	U		0.0122	0.141	25	12/05/2017 09:39	WG1049340
1,2,3-Trichlorobenzene	U		0.00861	0.0281	25	12/05/2017 09:39	WG1049340
1,2,4-Trichlorobenzene	U		0.0109	0.0281	25	12/05/2017 09:39	WG1049340
1,1,1-Trichloroethane	U		0.00805	0.0281	25	12/05/2017 09:39	WG1049340
1,1,2-Trichloroethane	U		0.00779	0.0281	25	12/05/2017 09:39	WG1049340
Trichloroethene	0.474		0.00786	0.0281	25	12/05/2017 09:39	WG1049340
Trichlorofluoromethane	U		0.0107	0.141	25	12/05/2017 09:39	WG1049340
1,2,3-Trichloropropane	U		0.0208	0.0703	25	12/05/2017 09:39	WG1049340
1,2,4-Trimethylbenzene	U		0.00594	0.0281	25	12/05/2017 09:39	WG1049340
1,2,3-Trimethylbenzene	U		0.00808	0.0281	25	12/05/2017 09:39	WG1049340
1,3,5-Trimethylbenzene	U		0.00749	0.0281	25	12/05/2017 09:39	WG1049340
Vinyl acetate	U		0.0673	0.281	25	12/05/2017 09:39	WG1049340
Vinyl chloride	0.0404		0.00819	0.0281	25	12/05/2017 09:39	WG1049340
Xylenes, Total	U		0.0196	0.0844	25	12/05/2017 09:39	WG1049340
(S) Toluene-d8	*98.5*			*80.0-120*		*12/05/2017 22:11*	WG1049340
(S) Toluene-d8	*104*			*80.0-120*		*12/05/2017 09:39*	WG1049340
(S) Dibromofluoromethane	*99.0*			*74.0-131*		*12/05/2017 22:11*	WG1049340
(S) Dibromofluoromethane	*101*			*74.0-131*		*12/05/2017 09:39*	WG1049340
(S) 4-Bromofluorobenzene	*99.7*			*64.0-132*		*12/05/2017 22:11*	WG1049340
(S) 4-Bromofluorobenzene	*103*			*64.0-132*		*12/05/2017 09:39*	WG1049340

Sample Narrative:

L954694-30 WG1049340: Cannot be analyzed at a lower dilution due to high levels of target analytes.

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Collected date/time: 11/30/17 00:00

SAMPLE RESULTS - 31

L954694

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U	J4	1.05	25.0	1	12/05/2017 13:01	WG1049615
Acrylonitrile	U		0.873	5.00	1	12/05/2017 13:01	WG1049615
Benzene	U		0.0896	0.500	1	12/05/2017 13:01	WG1049615
Bromobenzene	U		0.133	0.500	1	12/05/2017 13:01	WG1049615
Bromodichloromethane	U		0.0800	0.500	1	12/05/2017 13:01	WG1049615
Bromochloromethane	U		0.145	0.500	1	12/05/2017 13:01	WG1049615
Bromoform	U		0.186	0.500	1	12/05/2017 13:01	WG1049615
Bromomethane	U		0.157	2.50	1	12/05/2017 13:01	WG1049615
n-Butylbenzene	U		0.143	0.500	1	12/05/2017 13:01	WG1049615
sec-Butylbenzene	U		0.134	0.500	1	12/05/2017 13:01	WG1049615
tert-Butylbenzene	U		0.183	0.500	1	12/05/2017 13:01	WG1049615
Carbon disulfide	U		0.101	0.500	1	12/05/2017 13:01	WG1049615
Carbon tetrachloride	U		0.159	0.500	1	12/05/2017 13:01	WG1049615
Chlorobenzene	U		0.140	0.500	1	12/05/2017 13:01	WG1049615
Chlorodibromomethane	U		0.128	0.500	1	12/05/2017 13:01	WG1049615
Chloroethane	U		0.141	2.50	1	12/05/2017 13:01	WG1049615
Chloroform	U		0.0860	0.500	1	12/05/2017 13:01	WG1049615
Chloromethane	U		0.153	1.25	1	12/05/2017 13:01	WG1049615
2-Chlorotoluene	U		0.111	0.500	1	12/05/2017 13:01	WG1049615
4-Chlorotoluene	U		0.0972	0.500	1	12/05/2017 13:01	WG1049615
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	12/05/2017 13:01	WG1049615
1,2-Dibromoethane	U		0.193	0.500	1	12/05/2017 13:01	WG1049615
Dibromomethane	U		0.117	0.500	1	12/05/2017 13:01	WG1049615
1,2-Dichlorobenzene	U		0.101	0.500	1	12/05/2017 13:01	WG1049615
1,3-Dichlorobenzene	U		0.130	0.500	1	12/05/2017 13:01	WG1049615
1,4-Dichlorobenzene	U		0.121	0.500	1	12/05/2017 13:01	WG1049615
Dichlorodifluoromethane	U		0.127	2.50	1	12/05/2017 13:01	WG1049615
1,1-Dichloroethane	U		0.114	0.500	1	12/05/2017 13:01	WG1049615
1,2-Dichloroethane	U		0.108	0.500	1	12/05/2017 13:01	WG1049615
1,1-Dichloroethene	U		0.188	0.500	1	12/05/2017 13:01	WG1049615
cis-1,2-Dichloroethene	U		0.0933	0.500	1	12/05/2017 13:01	WG1049615
trans-1,2-Dichloroethene	U		0.152	0.500	1	12/05/2017 13:01	WG1049615
1,2-Dichloropropane	U		0.190	0.500	1	12/05/2017 13:01	WG1049615
1,1-Dichloropropene	U		0.128	0.500	1	12/05/2017 13:01	WG1049615
1,3-Dichloropropane	U		0.147	1.00	1	12/05/2017 13:01	WG1049615
cis-1,3-Dichloropropene	U		0.0976	0.500	1	12/05/2017 13:01	WG1049615
trans-1,3-Dichloropropene	U		0.222	0.500	1	12/05/2017 13:01	WG1049615
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	12/05/2017 13:01	WG1049615
2,2-Dichloropropane	U		0.0929	0.500	1	12/05/2017 13:01	WG1049615
Di-isopropyl ether	U		0.0924	0.500	1	12/05/2017 13:01	WG1049615
Ethylbenzene	U		0.158	0.500	1	12/05/2017 13:01	WG1049615
Hexachloro-1,3-butadiene	U		0.157	1.00	1	12/05/2017 13:01	WG1049615
2-Hexanone	U		0.757	5.00	1	12/05/2017 13:01	WG1049615
n-Hexane	U		0.305	5.00	1	12/05/2017 13:01	WG1049615
Iodomethane	U		0.377	10.0	1	12/05/2017 13:01	WG1049615
Isopropylbenzene	U		0.126	0.500	1	12/05/2017 13:01	WG1049615
p-Isopropyltoluene	U		0.138	0.500	1	12/05/2017 13:01	WG1049615
2-Butanone (MEK)	U		1.28	5.00	1	12/05/2017 13:01	WG1049615
Methylene Chloride	U		1.07	2.50	1	12/05/2017 13:01	WG1049615
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	12/05/2017 13:01	WG1049615
Methyl tert-butyl ether	U		0.102	0.500	1	12/05/2017 13:01	WG1049615
Naphthalene	U		0.174	2.50	1	12/05/2017 13:01	WG1049615
n-Propylbenzene	U		0.162	0.500	1	12/05/2017 13:01	WG1049615
Styrene	U		0.117	0.500	1	12/05/2017 13:01	WG1049615
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	12/05/2017 13:01	WG1049615
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	12/05/2017 13:01	WG1049615

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

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

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	12/05/2017 13:01	WG1049615
Tetrachloroethene	U		0.199	0.500	1	12/05/2017 13:01	WG1049615
Toluene	U		0.412	0.500	1	12/05/2017 13:01	WG1049615
1,2,3-Trichlorobenzene	U		0.164	0.500	1	12/05/2017 13:01	WG1049615
1,2,4-Trichlorobenzene	U		0.355	0.500	1	12/05/2017 13:01	WG1049615
1,1,1-Trichloroethane	U		0.0940	0.500	1	12/05/2017 13:01	WG1049615
1,1,2-Trichloroethane	U		0.186	0.500	1	12/05/2017 13:01	WG1049615
Trichloroethene	U		0.153	0.500	1	12/05/2017 13:01	WG1049615
Trichlorofluoromethane	U		0.130	2.50	1	12/05/2017 13:01	WG1049615
1,2,3-Trichloropropane	U		0.247	2.50	1	12/05/2017 13:01	WG1049615
1,2,4-Trimethylbenzene	U		0.123	0.500	1	12/05/2017 13:01	WG1049615
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	12/05/2017 13:01	WG1049615
1,3,5-Trimethylbenzene	U		0.124	0.500	1	12/05/2017 13:01	WG1049615
Vinyl acetate	U		0.645	5.00	1	12/05/2017 13:01	WG1049615
Vinyl chloride	U		0.118	0.500	1	12/05/2017 13:01	WG1049615
Xylenes, Total	U		0.316	1.50	1	12/05/2017 13:01	WG1049615
(S) Toluene-d8	*101*			*80.0-120*		*12/05/2017 13:01*	WG1049615
(S) Dibromofluoromethane	*98.6*			*76.0-123*		*12/05/2017 13:01*	WG1049615
(S) 4-Bromofluorobenzene	*100*			*80.0-120*		*12/05/2017 13:01*	WG1049615

Method Blank (MB)

(MB) R3271352-1 12/07/17 13:29

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.001			

L954660-01 Original Sample (OS) • Duplicate (DUP)

(OS) L954660-01 12/07/17 13:29 • (DUP) R3271352-3 12/07/17 13:29

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	78.9	78.7	1	0		5

Laboratory Control Sample (LCS)

(LCS) R3271352-2 12/07/17 13:29

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	85-115	

Method Blank (MB)

(MB) R3271349-1 12/07/17 13:13

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.001			

L954702-11 Original Sample (OS) • Duplicate (DUP)

(OS) L954702-11 12/07/17 13:13 • (DUP) R3271349-3 12/07/17 13:13

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	87.5	87.7	1	0		5

Laboratory Control Sample (LCS)

(LCS) R3271349-2 12/07/17 13:13

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	85-115	

WG1050628

Total Solids by Method 2540 G-2011

QUALITY CONTROL SUMMARY

L954694-06,09,13,14,19,22,24

Method Blank (MB)

(MB) R3271347-1 12/07/17 13:01

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	%		%	%
Total Solids	0.001			

L954702-08 Original Sample (OS) • Duplicate (DUP)

(OS) L954702-08 12/07/17 13:01 • (DUP) R3271347-3 12/07/17 13:01

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	%	%		%		%
Total Solids	86.9	87.3	1	0		5

Laboratory Control Sample (LCS)

(LCS) R3271347-2 12/07/17 13:01

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	%	%	%	%	
Total Solids	50.0	50.0	100	85-115	

Method Blank (MB)

(MB) R3271346-1 12/07/17 12:45

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.001			

L954702-07 Original Sample (OS) • Duplicate (DUP)

(OS) L954702-07 12/07/17 12:45 • (DUP) R3271346-3 12/07/17 12:45

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	89.7	90.2	1	1		5

Laboratory Control Sample (LCS)

(LCS) R3271346-2 12/07/17 12:45

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	85-115	

Method Blank (MB)

(MB) R3271343-1 12/07/17 12:28

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.001			

L954733-03 Original Sample (OS) • Duplicate (DUP)

(OS) L954733-03 12/07/17 12:28 • (DUP) R3271343-3 12/07/17 12:28

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	95.2	92.5	1	3		5

Laboratory Control Sample (LCS)

(LCS) R3271343-2 12/07/17 12:28

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	85-115	

Method Blank (MB)

(MB) R3271342-1 12/07/17 10:59

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.001			

L954733-10 Original Sample (OS) • Duplicate (DUP)

(OS) L954733-10 12/07/17 10:59 • (DUP) R3271342-3 12/07/17 10:59

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	94.4	91.2	1	3		5

Laboratory Control Sample (LCS)

(LCS) R3271342-2 12/07/17 10:59

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	85-115	

Method Blank (MB)

(MB) R3270287-3 12/04/17 12:08

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acetone	U		0.0100	0.0500
Acrylonitrile	U		0.00179	0.0100
Benzene	U		0.000270	0.00100
Bromobenzene	U		0.000284	0.00100
Bromodichloromethane	U		0.000254	0.00100
Bromochloromethane	U		0.000390	0.00500
Bromoform	U		0.000424	0.00100
Bromomethane	U		0.00134	0.00500
n-Butylbenzene	U		0.000258	0.00100
sec-Butylbenzene	U		0.000201	0.00100
tert-Butylbenzene	U		0.000206	0.00100
Carbon disulfide	U		0.000221	0.00100
Carbon tetrachloride	U		0.000328	0.00100
Chlorobenzene	U		0.000212	0.00100
Chlorodibromomethane	U		0.000373	0.00100
Chloroethane	U		0.000946	0.00500
Chloroform	U		0.000229	0.00500
Chloromethane	U		0.000375	0.00250
2-Chlorotoluene	U		0.000301	0.00100
4-Chlorotoluene	U		0.000240	0.00100
1,2-Dibromo-3-Chloropropane	U		0.00105	0.00500
1,2-Dibromoethane	U		0.000343	0.00100
Dibromomethane	U		0.000382	0.00100
1,2-Dichlorobenzene	U		0.000305	0.00100
1,3-Dichlorobenzene	U		0.000239	0.00100
1,4-Dichlorobenzene	U		0.000226	0.00100
trans-1,4-Dichloro-2-butene	U		0.000778	0.00250
Dichlorodifluoromethane	U		0.000713	0.00500
1,1-Dichloroethane	U		0.000199	0.00100
1,2-Dichloroethane	U		0.000265	0.00100
1,1-Dichloroethene	U		0.000303	0.00100
cis-1,2-Dichloroethene	U		0.000235	0.00100
trans-1,2-Dichloroethene	U		0.000264	0.00100
1,2-Dichloropropane	U		0.000358	0.00100
1,1-Dichloropropene	U		0.000317	0.00100
1,3-Dichloropropane	U		0.000207	0.00100
cis-1,3-Dichloropropene	U		0.000262	0.00100
trans-1,3-Dichloropropene	U		0.000267	0.00100
2,2-Dichloropropane	U		0.000279	0.00100
Di-isopropyl ether	U		0.000248	0.00100

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

Method Blank (MB)

(MB) R3270287-3 12/04/17 12:08

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Ethylbenzene	U		0.000297	0.00100
Hexachloro-1,3-butadiene	U		0.000342	0.00100
2-Hexanone	U		0.00137	0.0100
n-Hexane	U		0.000290	0.0100
Iodomethane	U		0.00253	0.0100
Isopropylbenzene	U		0.000243	0.00100
p-Isopropyltoluene	U		0.000204	0.00100
2-Butanone (MEK)	U		0.00468	0.0100
Methylene Chloride	U		0.00100	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.00188	0.0100
Methyl tert-butyl ether	U		0.000212	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.000206	0.00100
Styrene	U		0.000234	0.00100
1,1,1,2-Tetrachloroethane	U		0.000264	0.00100
1,1,2,2-Tetrachloroethane	U		0.000365	0.00100
Tetrachloroethene	U		0.000276	0.00100
Toluene	U		0.000434	0.00500
1,1,2-Trichlorotrifluoroethane	U		0.000365	0.00100
1,2,3-Trichlorobenzene	U		0.000306	0.00100
1,2,4-Trichlorobenzene	U		0.000388	0.00100
1,1,1-Trichloroethane	U		0.000286	0.00100
1,1,2-Trichloroethane	U		0.000277	0.00100
Trichloroethene	U		0.000279	0.00100
Trichlorofluoromethane	U		0.000382	0.00500
1,2,3-Trichloropropane	U		0.000741	0.00250
1,2,3-Trimethylbenzene	U		0.000287	0.00100
1,2,4-Trimethylbenzene	U		0.000211	0.00100
1,3,5-Trimethylbenzene	U		0.000266	0.00100
Vinyl acetate	U		0.00239	0.0100
Vinyl chloride	U		0.000291	0.00100
Xylenes, Total	U		0.000698	0.00300
(S) Toluene-d8	*106*			*80.0-120*
(S) Dibromofluoromethane	*102*			*74.0-131*
(S) 4-Bromofluorobenzene	*95.0*			*64.0-132*

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

(LCS) R3270287-1 12/04/17 10:50 • (LCSD) R3270287-2 12/04/17 11:09

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.125	0.130	0.143	104	114	11.0-160			9.41	23
Acrylonitrile	0.125	0.121	0.128	96.7	102	61.0-143			5.73	20
Benzene	0.0250	0.0245	0.0247	98.0	98.9	71.0-124			0.871	20
Bromobenzene	0.0250	0.0245	0.0242	98.1	96.9	78.0-120			1.15	20
Bromodichloromethane	0.0250	0.0261	0.0267	104	107	75.0-120			2.17	20
Bromochloromethane	0.0250	0.0257	0.0263	103	105	80.0-121			2.24	20
Bromoform	0.0250	0.0264	0.0275	106	110	65.0-133			4.01	20
Bromomethane	0.0250	0.0265	0.0264	106	106	26.0-160			0.348	20
n-Butylbenzene	0.0250	0.0260	0.0260	104	104	73.0-126			0.148	20
sec-Butylbenzene	0.0250	0.0259	0.0261	104	104	75.0-121			0.614	20
tert-Butylbenzene	0.0250	0.0265	0.0256	106	102	74.0-122			3.39	20
Carbon disulfide	0.0250	0.0240	0.0247	96.1	98.7	53.0-130			2.74	20
Carbon tetrachloride	0.0250	0.0241	0.0244	96.5	97.6	66.0-123			1.18	20
Chlorobenzene	0.0250	0.0254	0.0259	102	103	79.0-121			1.73	20
Chlorodibromomethane	0.0250	0.0272	0.0275	109	110	74.0-128			1.23	20
Chloroethane	0.0250	0.0243	0.0247	97.2	98.7	51.0-147			1.57	20
Chloroform	0.0250	0.0247	0.0250	98.8	99.9	73.0-123			1.13	20
Chloromethane	0.0250	0.0266	0.0277	106	111	51.0-138			4.18	20
2-Chlorotoluene	0.0250	0.0255	0.0256	102	102	72.0-124			0.285	20
4-Chlorotoluene	0.0250	0.0253	0.0255	101	102	78.0-120			0.938	20
1,2-Dibromo-3-Chloropropane	0.0250	0.0263	0.0277	105	111	65.0-126			5.07	20
1,2-Dibromoethane	0.0250	0.0258	0.0260	103	104	78.0-122			0.563	20
Dibromomethane	0.0250	0.0258	0.0265	103	106	79.0-120			2.65	20
1,2-Dichlorobenzene	0.0250	0.0262	0.0263	105	105	80.0-120			0.291	20
1,3-Dichlorobenzene	0.0250	0.0258	0.0260	103	104	72.0-123			0.686	20
1,4-Dichlorobenzene	0.0250	0.0255	0.0258	102	103	77.0-120			1.15	20
trans-1,4-Dichloro-2-butene	0.0250	0.0254	0.0256	101	102	68.0-126			0.922	20
Dichlorodifluoromethane	0.0250	0.0302	0.0297	121	119	49.0-155			1.60	20
1,1-Dichloroethane	0.0250	0.0246	0.0253	98.2	101	70.0-128			2.89	20
1,2-Dichloroethane	0.0250	0.0250	0.0252	99.8	101	69.0-128			0.992	20
1,1-Dichloroethene	0.0250	0.0243	0.0239	97.0	95.8	63.0-131			1.29	20
cis-1,2-Dichloroethene	0.0250	0.0237	0.0241	94.9	96.6	74.0-123			1.68	20
trans-1,2-Dichloroethene	0.0250	0.0251	0.0254	100	101	72.0-122			1.00	20
1,2-Dichloropropane	0.0250	0.0263	0.0268	105	107	75.0-126			2.04	20
1,1-Dichloropropene	0.0250	0.0250	0.0250	99.8	100	72.0-130			0.162	20
1,3-Dichloropropane	0.0250	0.0269	0.0270	108	108	80.0-121			0.302	20
cis-1,3-Dichloropropene	0.0250	0.0276	0.0278	111	111	80.0-125			0.438	20
trans-1,3-Dichloropropene	0.0250	0.0278	0.0276	111	110	75.0-129			0.673	20
2,2-Dichloropropane	0.0250	0.0228	0.0239	91.4	95.4	60.0-129			4.34	20
Di-isopropyl ether	0.0250	0.0254	0.0261	102	104	62.0-133			2.51	20

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

(LCS) R3270287-1 12/04/17 10:50 • (LCSD) R3270287-2 12/04/17 11:09

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Ethylbenzene	0.0250	0.0252	0.0251	101	100	77.0-120			0.436	20
Hexachloro-1,3-butadiene	0.0250	0.0265	0.0269	106	107	68.0-128			1.26	20
2-Hexanone	0.125	0.136	0.142	109	114	61.0-143			4.62	20
n-Hexane	0.0250	0.0270	0.0271	108	108	57.0-125			0.272	20
Iodomethane	0.125	0.119	0.128	95.4	102	67.0-132			6.66	20
Isopropylbenzene	0.0250	0.0255	0.0254	102	102	75.0-120			0.171	20
p-Isopropyltoluene	0.0250	0.0265	0.0262	106	105	74.0-125			1.44	20
2-Butanone (MEK)	0.125	0.131	0.140	105	112	37.0-159			6.42	20
Methylene Chloride	0.0250	0.0241	0.0247	96.4	99.0	67.0-123			2.64	20
4-Methyl-2-pentanone (MIBK)	0.125	0.131	0.136	105	109	60.0-144			3.53	20
Methyl tert-butyl ether	0.0250	0.0245	0.0258	97.9	103	66.0-125			5.26	20
Naphthalene	0.0250	0.0242	0.0257	97.0	103	64.0-125			5.62	20
n-Propylbenzene	0.0250	0.0255	0.0254	102	102	78.0-120			0.452	20
Styrene	0.0250	0.0263	0.0265	105	106	78.0-124			0.861	20
1,1,1,2-Tetrachloroethane	0.0250	0.0250	0.0254	99.9	102	74.0-124			1.74	20
1,1,2,2-Tetrachloroethane	0.0250	0.0246	0.0251	98.3	101	73.0-120			2.28	20
Tetrachloroethene	0.0250	0.0276	0.0269	110	108	70.0-127			2.54	20
Toluene	0.0250	0.0256	0.0256	102	102	77.0-120			0.214	20
1,1,2-Trichlorotrifluoroethane	0.0250	0.0260	0.0266	104	106	64.0-135			2.16	20
1,2,3-Trichlorobenzene	0.0250	0.0273	0.0274	109	109	68.0-126			0.167	20
1,2,4-Trichlorobenzene	0.0250	0.0272	0.0276	109	110	70.0-127			1.37	20
1,1,1-Trichloroethane	0.0250	0.0245	0.0244	97.9	97.7	69.0-125			0.244	20
1,1,2-Trichloroethane	0.0250	0.0265	0.0263	106	105	78.0-120			0.702	20
Trichloroethene	0.0250	0.0254	0.0255	102	102	79.0-120			0.309	20
Trichlorofluoromethane	0.0250	0.0260	0.0261	104	104	59.0-136			0.308	20
1,2,3-Trichloropropane	0.0250	0.0246	0.0259	98.3	104	73.0-124			5.22	20
1,2,3-Trimethylbenzene	0.0250	0.0256	0.0255	103	102	76.0-120			0.676	20
1,2,4-Trimethylbenzene	0.0250	0.0265	0.0268	106	107	75.0-120			1.10	20
1,3,5-Trimethylbenzene	0.0250	0.0259	0.0262	104	105	75.0-120			1.09	20
Vinyl acetate	0.125	0.134	0.135	107	108	58.0-156			0.920	20
Vinyl chloride	0.0250	0.0252	0.0259	101	104	63.0-134			2.83	20
Xylenes, Total	0.0750	0.0771	0.0767	103	102	77.0-120			0.520	20
(S) Toluene-d8				*103*	*103*	*80.0-120*				
(S) Dibromofluoromethane				*96.6*	*97.7*	*74.0-131*				
(S) 4-Bromofluorobenzene				*96.9*	*96.4*	*64.0-132*				

L954694-12 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L954694-12 12/04/17 16:51 • (MS) R3270287-4 12/04/17 19:27 • (MSD) R3270287-5 12/04/17 19:47

	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
Acetone	0.140	U	2.41	2.99	68.8	85.5	25	10.0-160			21.6	36
Acrylonitrile	0.140	U	2.33	2.84	66.5	81.1	25	14.0-160			19.8	33
Benzene	0.0280	U	0.397	0.479	56.7	68.4	25	13.0-146			18.7	27
Bromobenzene	0.0280	U	0.409	0.502	58.5	71.7	25	10.0-149			20.4	33
Bromodichloromethane	0.0280	U	0.457	0.543	65.3	77.5	25	15.0-142			17.1	28
Bromochloromethane	0.0280	U	0.451	0.541	64.5	77.2	25	24.0-146			18.0	27
Bromoform	0.0280	U	0.440	0.553	62.8	79.0	25	10.0-147			22.8	31
Bromomethane	0.0280	U	0.251	0.310	35.8	44.3	25	10.0-160			21.4	32
n-Butylbenzene	0.0280	U	0.449	0.540	64.2	77.1	25	10.0-154			18.3	37
sec-Butylbenzene	0.0280	U	0.447	0.545	63.9	77.8	25	10.0-151			19.7	36
tert-Butylbenzene	0.0280	U	0.438	0.545	62.6	77.8	25	10.0-152			21.7	35
Carbon disulfide	0.0280	U	0.165	0.193	23.5	27.6	25	10.0-141			15.9	30
Carbon tetrachloride	0.0280	U	0.417	0.485	59.5	69.3	25	13.0-140			15.1	30
Chlorobenzene	0.0280	U	0.450	0.548	64.2	78.2	25	10.0-149			19.7	31
Chlorodibromomethane	0.0280	U	0.493	0.586	70.4	83.7	25	12.0-147			17.3	29
Chloroethane	0.0280	U	0.148	0.193	21.2	27.6	25	10.0-159			26.3	33
Chloroform	0.0280	U	0.441	0.517	62.9	73.8	25	18.0-148			15.9	28
Chloromethane	0.0280	U	0.337	0.399	48.1	56.9	25	10.0-146			16.9	29
2-Chlorotoluene	0.0280	U	0.434	0.520	62.0	74.3	25	10.0-151			18.0	35
4-Chlorotoluene	0.0280	U	0.435	0.525	62.0	74.9	25	10.0-150			18.8	35
1,2-Dibromo-3-Chloropropane	0.0280	U	0.421	0.500	60.1	71.4	25	10.0-149			17.2	34
1,2-Dibromoethane	0.0280	U	0.433	0.550	61.8	78.5	25	14.0-145			23.8	28
Dibromomethane	0.0280	U	0.445	0.552	63.5	78.9	25	18.0-144			21.6	27
1,2-Dichlorobenzene	0.0280	U	0.458	0.550	65.3	78.5	25	10.0-153			18.3	34
1,3-Dichlorobenzene	0.0280	U	0.449	0.533	64.1	76.1	25	10.0-150			17.1	35
1,4-Dichlorobenzene	0.0280	U	0.449	0.542	64.1	77.4	25	10.0-148			18.8	34
trans-1,4-Dichloro-2-butene	0.0280	U	0.401	0.496	57.3	70.9	25	10.0-160			21.1	40
Dichlorodifluoromethane	0.0280	U	0.462	0.517	66.0	73.8	25	10.0-160			11.1	30
1,1-Dichloroethane	0.0280	U	0.435	0.516	62.2	73.7	25	19.0-148			16.9	28
1,2-Dichloroethane	0.0280	U	0.442	0.528	63.2	75.3	25	17.0-147			17.6	27
1,1-Dichloroethene	0.0280	U	0.296	0.337	42.3	48.2	25	10.0-150			13.0	31
cis-1,2-Dichloroethene	0.0280	2.18	2.71	2.78	74.6	85.0	25	16.0-145			2.64	28
trans-1,2-Dichloroethene	0.0280	U	0.390	0.457	55.7	65.2	25	11.0-142			15.7	29
1,2-Dichloropropane	0.0280	U	0.453	0.539	64.7	77.0	25	17.0-148			17.3	28
1,1-Dichloropropene	0.0280	U	0.385	0.460	55.0	65.7	25	10.0-150			17.7	30
1,3-Dichloropropane	0.0280	U	0.462	0.579	66.0	82.6	25	16.0-148			22.3	27
cis-1,3-Dichloropropene	0.0280	U	0.459	0.563	65.5	80.3	25	13.0-150			20.3	28
trans-1,3-Dichloropropene	0.0280	U	0.472	0.569	67.4	81.2	25	10.0-152			18.6	29
2,2-Dichloropropane	0.0280	U	0.412	0.482	58.9	68.8	25	16.0-143			15.6	30

L954694-12 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L954694-12 12/04/17 16:51 • (MS) R3270287-4 12/04/17 19:27 • (MSD) R3270287-5 12/04/17 19:47

Analyte	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
Di-isopropyl ether	0.0280	U	0.460	0.554	65.7	79.1	25	16.0-149			18.5	28
Ethylbenzene	0.0280	U	0.433	0.528	61.9	75.3	25	10.0-147			19.6	31
Hexachloro-1,3-butadiene	0.0280	U	0.457	0.538	65.2	76.9	25	10.0-154			16.4	40
2-Hexanone	0.140	U	2.59	3.26	74.0	93.0	25	12.0-158			22.7	30
n-Hexane	0.0280	U	0.294	0.351	42.0	50.2	25	10.0-140			17.9	34
Iodomethane	0.140	U	1.48	1.71	42.4	49.0	25	10.0-157			14.4	34
Isopropylbenzene	0.0280	U	0.415	0.517	59.3	73.9	25	10.0-147			21.9	33
p-Isopropyltoluene	0.0280	U	0.458	0.551	65.3	78.7	25	10.0-156			18.5	37
2-Butanone (MEK)	0.140	U	2.55	3.14	72.7	89.7	25	10.0-160			21.0	33
Methylene Chloride	0.0280	U	0.397	0.472	56.7	67.3	25	16.0-139			17.1	29
4-Methyl-2-pentanone (MIBK)	0.140	U	2.30	2.87	65.8	81.9	25	12.0-160			21.8	32
Methyl tert-butyl ether	0.0280	U	0.438	0.514	62.5	73.4	25	21.0-145			16.1	29
Naphthalene	0.0280	U	0.348	0.443	49.7	63.3	25	10.0-153			24.1	36
n-Propylbenzene	0.0280	U	0.417	0.518	59.6	73.9	25	10.0-151			21.5	34
Styrene	0.0280	U	0.432	0.532	61.7	75.9	25	10.0-155			20.6	34
1,1,1,2-Tetrachloroethane	0.0280	U	0.443	0.569	63.2	81.3	25	10.0-147			25.0	30
1,1,2,2-Tetrachloroethane	0.0280	U	0.428	0.524	61.1	74.8	25	10.0-155			20.1	31
Tetrachloroethene	0.0280	0.438	0.876	0.976	62.6	76.8	25	10.0-144			10.8	32
Toluene	0.0280	U	0.421	0.503	60.1	71.9	25	10.0-144			17.9	28
1,1,2-Trichlorotrifluoroethane	0.0280	U	0.347	0.404	49.5	57.7	25	10.0-153			15.3	33
1,2,3-Trichlorobenzene	0.0280	U	0.390	0.499	55.8	71.2	25	10.0-153			24.4	40
1,2,4-Trichlorobenzene	0.0280	U	0.424	0.523	60.6	74.6	25	10.0-156			20.8	40
1,1,1-Trichloroethane	0.0280	U	0.423	0.495	60.3	70.7	25	18.0-145			15.9	29
1,1,2-Trichloroethane	0.0280	U	0.455	0.563	64.9	80.4	25	12.0-151			21.3	28
Trichloroethene	0.0280	0.118	0.530	0.637	58.8	74.0	25	11.0-148			18.2	29
Trichlorofluoromethane	0.0280	U	0.302	0.307	43.1	43.8	25	10.0-157			1.49	34
1,2,3-Trichloropropane	0.0280	U	0.435	0.523	62.1	74.6	25	10.0-154			18.3	32
1,2,3-Trimethylbenzene	0.0280	U	0.441	0.536	63.0	76.6	25	10.0-150			19.4	33
1,2,4-Trimethylbenzene	0.0280	U	0.455	0.552	65.0	78.8	25	10.0-151			19.3	34
1,3,5-Trimethylbenzene	0.0280	U	0.434	0.532	62.0	76.0	25	10.0-150			20.2	33
Vinyl acetate	0.140	U	1.86	1.86	53.1	53.1	25	10.0-160			0.00380	40
Vinyl chloride	0.0280	0.0114	0.355	0.433	49.0	60.3	25	10.0-150			20.0	29
Xylenes, Total	0.0840	U	1.35	1.64	64.3	78.2	25	10.0-150			19.6	31
(S) Toluene-d8					*102*	*105*		*80.0-120*				
(S) Dibromofluoromethane					*98.4*	*97.9*		*74.0-131*				
(S) 4-Bromofluorobenzene					*94.4*	*97.1*		*64.0-132*				

Sample Narrative:

OS: Cannot be analyzed at a lower dilution due to high levels of target analytes.

Method Blank (MB)

(MB) R3270334-3 12/04/17 12:59

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acetone	U		0.0100	0.0500
Acrylonitrile	U		0.00179	0.0100
Benzene	U		0.000270	0.00100
Bromobenzene	U		0.000284	0.00100
Bromodichloromethane	U		0.000254	0.00100
Bromochloromethane	U		0.000390	0.00500
Bromoform	U		0.000424	0.00100
Bromomethane	U		0.00134	0.00500
n-Butylbenzene	U		0.000258	0.00100
sec-Butylbenzene	U		0.000201	0.00100
tert-Butylbenzene	U		0.000206	0.00100
Carbon disulfide	U		0.000221	0.00100
Carbon tetrachloride	U		0.000328	0.00100
Chlorobenzene	U		0.000212	0.00100
Chlorodibromomethane	U		0.000373	0.00100
Chloroethane	U		0.000946	0.00500
Chloroform	U		0.000229	0.00500
Chloromethane	U		0.000375	0.00250
2-Chlorotoluene	U		0.000301	0.00100
4-Chlorotoluene	U		0.000240	0.00100
1,2-Dibromo-3-Chloropropane	U		0.00105	0.00500
1,2-Dibromoethane	U		0.000343	0.00100
Dibromomethane	U		0.000382	0.00100
1,2-Dichlorobenzene	U		0.000305	0.00100
1,3-Dichlorobenzene	U		0.000239	0.00100
1,4-Dichlorobenzene	U		0.000226	0.00100
trans-1,4-Dichloro-2-butene	U		0.000778	0.00250
Dichlorodifluoromethane	U		0.000713	0.00500
1,1-Dichloroethane	U		0.000199	0.00100
1,2-Dichloroethane	U		0.000265	0.00100
1,1-Dichloroethene	U		0.000303	0.00100
cis-1,2-Dichloroethene	U		0.000235	0.00100
trans-1,2-Dichloroethene	U		0.000264	0.00100
1,2-Dichloropropane	U		0.000358	0.00100
1,1-Dichloropropene	U		0.000317	0.00100
1,3-Dichloropropane	U		0.000207	0.00100
cis-1,3-Dichloropropene	U		0.000262	0.00100
trans-1,3-Dichloropropene	U		0.000267	0.00100
2,2-Dichloropropane	U		0.000279	0.00100
Di-isopropyl ether	U		0.000248	0.00100

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

Method Blank (MB)

(MB) R3270334-3 12/04/17 12:59

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Ethylbenzene	U		0.000297	0.00100
Hexachloro-1,3-butadiene	U		0.000342	0.00100
2-Hexanone	U		0.00137	0.0100
n-Hexane	U		0.000290	0.0100
Iodomethane	U		0.00253	0.0100
Isopropylbenzene	U		0.000243	0.00100
p-Isopropyltoluene	U		0.000204	0.00100
2-Butanone (MEK)	U		0.00468	0.0100
Methylene Chloride	U		0.00100	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.00188	0.0100
Methyl tert-butyl ether	U		0.000212	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.000206	0.00100
Styrene	U		0.000234	0.00100
1,1,1,2-Tetrachloroethane	U		0.000264	0.00100
1,1,2,2-Tetrachloroethane	U		0.000365	0.00100
Tetrachloroethene	0.000688	J	0.000276	0.00100
Toluene	U		0.000434	0.00500
1,1,2-Trichlorotrifluoroethane	U		0.000365	0.00100
1,2,3-Trichlorobenzene	U		0.000306	0.00100
1,2,4-Trichlorobenzene	U		0.000388	0.00100
1,1,1-Trichloroethane	U		0.000286	0.00100
1,1,2-Trichloroethane	U		0.000277	0.00100
Trichloroethene	U		0.000279	0.00100
Trichlorofluoromethane	U		0.000382	0.00500
1,2,3-Trichloropropane	U		0.000741	0.00250
1,2,3-Trimethylbenzene	U		0.000287	0.00100
1,2,4-Trimethylbenzene	U		0.000211	0.00100
1,3,5-Trimethylbenzene	U		0.000266	0.00100
Vinyl acetate	U		0.00239	0.0100
Vinyl chloride	U		0.000291	0.00100
Xylenes, Total	U		0.000698	0.00300
(S) Toluene-d8	*103*			*80.0-120*
(S) Dibromofluoromethane	*106*			*74.0-131*
(S) 4-Bromofluorobenzene	*99.9*			*64.0-132*

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

(LCS) R3270334-1 12/04/17 12:00 • (LCSD) R3270334-2 12/04/17 12:20

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.125	0.124	0.138	99.4	110	11.0-160			10.6	23
Acrylonitrile	0.125	0.150	0.150	120	120	61.0-143			0.0719	20
Benzene	0.0250	0.0253	0.0257	101	103	71.0-124			1.55	20
Bromobenzene	0.0250	0.0223	0.0240	89.3	96.1	78.0-120			7.34	20
Bromodichloromethane	0.0250	0.0230	0.0242	91.8	96.9	75.0-120			5.36	20
Bromochloromethane	0.0250	0.0289	0.0288	116	115	80.0-121			0.307	20
Bromoform	0.0250	0.0248	0.0256	99.1	102	65.0-133			3.24	20
Bromomethane	0.0250	0.0249	0.0282	99.4	113	26.0-160			12.5	20
n-Butylbenzene	0.0250	0.0225	0.0245	90.1	98.1	73.0-126			8.44	20
sec-Butylbenzene	0.0250	0.0224	0.0245	89.8	98.0	75.0-121			8.75	20
tert-Butylbenzene	0.0250	0.0226	0.0246	90.6	98.4	74.0-122			8.29	20
Carbon disulfide	0.0250	0.0238	0.0244	95.2	97.5	53.0-130			2.40	20
Carbon tetrachloride	0.0250	0.0236	0.0224	94.2	89.6	66.0-123			4.96	20
Chlorobenzene	0.0250	0.0239	0.0249	95.7	99.8	79.0-121			4.14	20
Chlorodibromomethane	0.0250	0.0240	0.0246	96.0	98.5	74.0-128			2.56	20
Chloroethane	0.0250	0.0219	0.0222	87.7	88.9	51.0-147			1.27	20
Chloroform	0.0250	0.0253	0.0257	101	103	73.0-123			1.58	20
Chloromethane	0.0250	0.0240	0.0242	96.1	96.9	51.0-138			0.811	20
2-Chlorotoluene	0.0250	0.0229	0.0248	91.4	99.2	72.0-124			8.20	20
4-Chlorotoluene	0.0250	0.0229	0.0248	91.7	99.0	78.0-120			7.63	20
1,2-Dibromo-3-Chloropropane	0.0250	0.0274	0.0265	110	106	65.0-126			3.18	20
1,2-Dibromoethane	0.0250	0.0271	0.0278	108	111	78.0-122			2.48	20
Dibromomethane	0.0250	0.0253	0.0255	101	102	79.0-120			0.645	20
1,2-Dichlorobenzene	0.0250	0.0243	0.0259	97.2	103	80.0-120			6.28	20
1,3-Dichlorobenzene	0.0250	0.0234	0.0250	93.8	100	72.0-123			6.52	20
1,4-Dichlorobenzene	0.0250	0.0236	0.0254	94.5	101	77.0-120			7.15	20
trans-1,4-Dichloro-2-butene	0.0250	0.0228	0.0237	91.3	94.7	68.0-126			3.60	20
Dichlorodifluoromethane	0.0250	0.0286	0.0283	114	113	49.0-155			1.22	20
1,1-Dichloroethane	0.0250	0.0255	0.0262	102	105	70.0-128			2.67	20
1,2-Dichloroethane	0.0250	0.0277	0.0280	111	112	69.0-128			1.09	20
1,1-Dichloroethene	0.0250	0.0243	0.0246	97.1	98.2	63.0-131			1.12	20
cis-1,2-Dichloroethene	0.0250	0.0259	0.0263	103	105	74.0-123			1.63	20
trans-1,2-Dichloroethene	0.0250	0.0233	0.0238	93.1	95.3	72.0-122			2.29	20
1,2-Dichloropropane	0.0250	0.0237	0.0247	94.7	98.8	75.0-126			4.20	20
1,1-Dichloropropene	0.0250	0.0249	0.0254	99.5	101	72.0-130			1.90	20
1,3-Dichloropropane	0.0250	0.0255	0.0264	102	105	80.0-121			3.43	20
cis-1,3-Dichloropropene	0.0250	0.0242	0.0249	96.9	99.6	80.0-125			2.82	20
trans-1,3-Dichloropropene	0.0250	0.0241	0.0246	96.3	98.6	75.0-129			2.28	20
2,2-Dichloropropane	0.0250	0.0224	0.0235	89.7	93.8	60.0-129			4.51	20
Di-isopropyl ether	0.0250	0.0241	0.0249	96.6	99.6	62.0-133			3.10	20

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

(LCS) R3270334-1 12/04/17 12:00 • (LCSD) R3270334-2 12/04/17 12:20

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Ethylbenzene	0.0250	0.0230	0.0239	91.9	95.7	77.0-120			4.10	20
Hexachloro-1,3-butadiene	0.0250	0.0204	0.0241	81.4	96.5	68.0-128			17.0	20
2-Hexanone	0.125	0.123	0.118	98.1	94.3	61.0-143			4.00	20
n-Hexane	0.0250	0.0231	0.0249	92.4	99.6	57.0-125			7.46	20
Iodomethane	0.125	0.137	0.139	110	111	67.0-132			1.24	20
Isopropylbenzene	0.0250	0.0231	0.0249	92.4	99.5	75.0-120			7.42	20
p-Isopropyltoluene	0.0250	0.0226	0.0245	90.2	98.2	74.0-125			8.47	20
2-Butanone (MEK)	0.125	0.138	0.136	110	109	37.0-159			1.73	20
Methylene Chloride	0.0250	0.0254	0.0257	102	103	67.0-123			0.989	20
4-Methyl-2-pentanone (MIBK)	0.125	0.125	0.124	100	99.0	60.0-144			1.21	20
Methyl tert-butyl ether	0.0250	0.0275	0.0275	110	110	66.0-125			0.223	20
Naphthalene	0.0250	0.0263	0.0269	105	107	64.0-125			2.32	20
n-Propylbenzene	0.0250	0.0225	0.0246	89.8	98.4	78.0-120			9.11	20
Styrene	0.0250	0.0240	0.0258	96.2	103	78.0-124			7.23	20
1,1,1,2-Tetrachloroethane	0.0250	0.0228	0.0237	91.1	94.7	74.0-124			3.96	20
1,1,2,2-Tetrachloroethane	0.0250	0.0252	0.0261	101	104	73.0-120			3.24	20
Tetrachloroethene	0.0250	0.0236	0.0246	94.5	98.2	70.0-127			3.84	20
Toluene	0.0250	0.0233	0.0241	93.2	96.4	77.0-120			3.39	20
1,1,2-Trichlorotrifluoroethane	0.0250	0.0242	0.0247	96.7	98.7	64.0-135			2.06	20
1,2,3-Trichlorobenzene	0.0250	0.0238	0.0251	95.1	101	68.0-126			5.54	20
1,2,4-Trichlorobenzene	0.0250	0.0234	0.0246	93.7	98.5	70.0-127			5.04	20
1,1,1-Trichloroethane	0.0250	0.0235	0.0243	94.0	97.0	69.0-125			3.13	20
1,1,2-Trichloroethane	0.0250	0.0259	0.0264	104	105	78.0-120			1.66	20
Trichloroethene	0.0250	0.0239	0.0252	95.7	101	79.0-120			5.31	20
Trichlorofluoromethane	0.0250	0.0228	0.0234	91.1	93.7	59.0-136			2.82	20
1,2,3-Trichloropropane	0.0250	0.0269	0.0274	108	109	73.0-124			1.81	20
1,2,3-Trimethylbenzene	0.0250	0.0232	0.0252	92.7	101	76.0-120			8.21	20
1,2,4-Trimethylbenzene	0.0250	0.0231	0.0249	92.4	99.7	75.0-120			7.55	20
1,3,5-Trimethylbenzene	0.0250	0.0223	0.0241	89.2	96.4	75.0-120			7.86	20
Vinyl acetate	0.125	0.139	0.138	111	110	58.0-156			0.812	20
Vinyl chloride	0.0250	0.0250	0.0253	99.8	101	63.0-134			1.55	20
Xylenes, Total	0.0750	0.0689	0.0721	91.9	96.1	77.0-120			4.54	20
(S) Toluene-d8				*101*	*99.3*	*80.0-120*				
(S) Dibromofluoromethane				*112*	*108*	*74.0-131*				
(S) 4-Bromofluorobenzene				*101*	*101*	*64.0-132*				

Method Blank (MB)

(MB) R3270931-3 12/06/17 11:33

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acetone	U		0.0100	0.0500
Acrylonitrile	U		0.00179	0.0100
Benzene	U		0.000270	0.00100
Bromobenzene	U		0.000284	0.00100
Bromodichloromethane	U		0.000254	0.00100
Bromochloromethane	U		0.000390	0.00500
Bromoform	U		0.000424	0.00100
Bromomethane	U		0.00134	0.00500
n-Butylbenzene	U		0.000258	0.00100
sec-Butylbenzene	U		0.000201	0.00100
tert-Butylbenzene	U		0.000206	0.00100
Carbon disulfide	U		0.000221	0.00100
Carbon tetrachloride	U		0.000328	0.00100
Chlorobenzene	U		0.000212	0.00100
Chlorodibromomethane	U		0.000373	0.00100
Chloroethane	U		0.000946	0.00500
Chloroform	U		0.000229	0.00500
Chloromethane	U		0.000375	0.00250
2-Chlorotoluene	U		0.000301	0.00100
4-Chlorotoluene	U		0.000240	0.00100
1,2-Dibromo-3-Chloropropane	U		0.00105	0.00500
1,2-Dibromoethane	U		0.000343	0.00100
Dibromomethane	U		0.000382	0.00100
1,2-Dichlorobenzene	U		0.000305	0.00100
1,3-Dichlorobenzene	U		0.000239	0.00100
1,4-Dichlorobenzene	U		0.000226	0.00100
trans-1,4-Dichloro-2-butene	U		0.000778	0.00250
Dichlorodifluoromethane	U		0.000713	0.00500
1,1-Dichloroethane	U		0.000199	0.00100
1,2-Dichloroethane	U		0.000265	0.00100
1,1-Dichloroethene	U		0.000303	0.00100
cis-1,2-Dichloroethene	U		0.000235	0.00100
trans-1,2-Dichloroethene	U		0.000264	0.00100
1,2-Dichloropropane	U		0.000358	0.00100
1,1-Dichloropropene	U		0.000317	0.00100
1,3-Dichloropropane	U		0.000207	0.00100
cis-1,3-Dichloropropene	U		0.000262	0.00100
trans-1,3-Dichloropropene	U		0.000267	0.00100
2,2-Dichloropropane	U		0.000279	0.00100
Di-isopropyl ether	U		0.000248	0.00100

Method Blank (MB)

(MB) R3270931-3 12/06/17 11:33

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Ethylbenzene	U		0.000297	0.00100
n-Hexane	U		0.000290	0.0100
Hexachloro-1,3-butadiene	U		0.000342	0.00100
Iodomethane	U		0.00253	0.0100
2-Hexanone	U		0.00137	0.0100
Isopropylbenzene	U		0.000243	0.00100
p-Isopropyltoluene	U		0.000204	0.00100
2-Butanone (MEK)	U		0.00468	0.0100
Methylene Chloride	U		0.00100	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.00188	0.0100
Methyl tert-butyl ether	U		0.000212	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.000206	0.00100
Styrene	U		0.000234	0.00100
1,1,1,2-Tetrachloroethane	U		0.000264	0.00100
1,1,2,2-Tetrachloroethane	U		0.000365	0.00100
Tetrachloroethene	U		0.000276	0.00100
Toluene	U		0.000434	0.00500
1,1,2-Trichlorotrifluoroethane	U		0.000365	0.00100
1,2,3-Trichlorobenzene	U		0.000306	0.00100
1,2,4-Trichlorobenzene	U		0.000388	0.00100
1,1,1-Trichloroethane	U		0.000286	0.00100
1,1,2-Trichloroethane	U		0.000277	0.00100
Trichloroethene	U		0.000279	0.00100
Trichlorofluoromethane	U		0.000382	0.00500
Vinyl acetate	U		0.00239	0.0100
1,2,3-Trichloropropane	U		0.000741	0.00250
1,2,3-Trimethylbenzene	U		0.000287	0.00100
1,2,4-Trimethylbenzene	U		0.000211	0.00100
1,3,5-Trimethylbenzene	U		0.000266	0.00100
Vinyl chloride	U		0.000291	0.00100
Xylenes, Total	U		0.000698	0.00300
(S) Toluene-d8	*98.7*			*80.0-120*
(S) Dibromofluoromethane	*102*			*74.0-131*
(S) 4-Bromofluorobenzene	*102*			*64.0-132*

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

(LCS) R3270931-1 12/06/17 10:31 • (LCSD) R3270931-2 12/06/17 10:51

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.125	0.130	0.123	104	98.2	11.0-160			5.37	23
Acrylonitrile	0.125	0.120	0.116	96.2	92.5	61.0-143			3.88	20
Benzene	0.0250	0.0262	0.0271	105	108	71.0-124			3.23	20
Bromobenzene	0.0250	0.0239	0.0247	95.6	98.7	78.0-120			3.25	20
Bromodichloromethane	0.0250	0.0255	0.0255	102	102	75.0-120			0.246	20
Bromochloromethane	0.0250	0.0264	0.0260	106	104	80.0-121			1.68	20
Bromoform	0.0250	0.0222	0.0225	88.7	90.0	65.0-133			1.47	20
Bromomethane	0.0250	0.0338	0.0344	135	137	26.0-160			1.54	20
n-Butylbenzene	0.0250	0.0292	0.0298	117	119	73.0-126			1.78	20
sec-Butylbenzene	0.0250	0.0276	0.0288	110	115	75.0-121			4.47	20
tert-Butylbenzene	0.0250	0.0266	0.0277	106	111	74.0-122			4.12	20
Carbon disulfide	0.0250	0.0268	0.0281	107	112	53.0-130			4.59	20
Carbon tetrachloride	0.0250	0.0264	0.0264	105	106	66.0-123			0.325	20
Chlorobenzene	0.0250	0.0252	0.0258	101	103	79.0-121			2.29	20
Chlorodibromomethane	0.0250	0.0233	0.0239	93.2	95.6	74.0-128			2.54	20
Chloroethane	0.0250	0.0292	0.0299	117	120	51.0-147			2.62	20
Chloroform	0.0250	0.0266	0.0272	107	109	73.0-123			1.99	20
Chloromethane	0.0250	0.0280	0.0290	112	116	51.0-138			3.48	20
2-Chlorotoluene	0.0250	0.0256	0.0265	102	106	72.0-124			3.20	20
4-Chlorotoluene	0.0250	0.0258	0.0263	103	105	78.0-120			1.91	20
1,2-Dibromo-3-Chloropropane	0.0250	0.0222	0.0214	88.9	85.5	65.0-126			3.96	20
1,2-Dibromoethane	0.0250	0.0240	0.0233	96.1	93.1	78.0-122			3.20	20
Dibromomethane	0.0250	0.0249	0.0249	99.4	99.6	79.0-120			0.157	20
1,2-Dichlorobenzene	0.0250	0.0247	0.0248	98.8	99.0	80.0-120			0.225	20
1,3-Dichlorobenzene	0.0250	0.0254	0.0258	102	103	72.0-123			1.35	20
1,4-Dichlorobenzene	0.0250	0.0248	0.0249	99.1	99.8	77.0-120			0.721	20
Dichlorodifluoromethane	0.0250	0.0270	0.0283	108	113	49.0-155			4.73	20
trans-1,4-Dichloro-2-butene	0.0250	0.0199	0.0199	79.5	79.8	68.0-126			0.315	20
1,1-Dichloroethane	0.0250	0.0265	0.0271	106	109	70.0-128			2.38	20
1,2-Dichloroethane	0.0250	0.0259	0.0255	104	102	69.0-128			1.69	20
1,1-Dichloroethene	0.0250	0.0264	0.0270	106	108	63.0-131			1.95	20
cis-1,2-Dichloroethene	0.0250	0.0261	0.0269	104	108	74.0-123			3.06	20
trans-1,2-Dichloroethene	0.0250	0.0271	0.0277	108	111	72.0-122			2.27	20
1,2-Dichloropropane	0.0250	0.0254	0.0258	102	103	75.0-126			1.64	20
1,1-Dichloropropene	0.0250	0.0268	0.0275	107	110	72.0-130			2.84	20
1,3-Dichloropropane	0.0250	0.0232	0.0234	92.8	93.7	80.0-121			1.04	20
cis-1,3-Dichloropropene	0.0250	0.0244	0.0249	97.7	99.5	80.0-125			1.76	20
trans-1,3-Dichloropropene	0.0250	0.0244	0.0243	97.6	97.0	75.0-129			0.638	20
2,2-Dichloropropane	0.0250	0.0341	0.0346	136	138	60.0-129	J4	J4	1.42	20
Di-isopropyl ether	0.0250	0.0266	0.0267	106	107	62.0-133			0.575	20

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

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

(LCS) R3270931-1 12/06/17 10:31 • (LCSD) R3270931-2 12/06/17 10:51

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Ethylbenzene	0.0250	0.0262	0.0269	105	108	77.0-120			2.90	20
Hexachloro-1,3-butadiene	0.0250	0.0311	0.0320	124	128	68.0-128			3.07	20
2-Hexanone	0.125	0.126	0.122	101	97.2	61.0-143			3.53	20
Isopropylbenzene	0.0250	0.0260	0.0271	104	108	75.0-120			4.33	20
n-Hexane	0.0250	0.0250	0.0261	100	105	57.0-125			4.37	20
Iodomethane	0.125	0.139	0.141	111	113	67.0-132			1.64	20
p-Isopropyltoluene	0.0250	0.0286	0.0295	114	118	74.0-125			3.29	20
2-Butanone (MEK)	0.125	0.128	0.123	102	98.1	37.0-159			4.36	20
Methylene Chloride	0.0250	0.0250	0.0250	99.8	100	67.0-123			0.205	20
4-Methyl-2-pentanone (MIBK)	0.125	0.115	0.110	92.1	88.1	60.0-144			4.43	20
Methyl tert-butyl ether	0.0250	0.0265	0.0255	106	102	66.0-125			3.96	20
Naphthalene	0.0250	0.0221	0.0217	88.3	86.8	64.0-125			1.66	20
n-Propylbenzene	0.0250	0.0267	0.0276	107	110	78.0-120			3.49	20
Styrene	0.0250	0.0257	0.0264	103	105	78.0-124			2.66	20
1,1,1,2-Tetrachloroethane	0.0250	0.0251	0.0258	100	103	74.0-124			2.72	20
1,1,2,2-Tetrachloroethane	0.0250	0.0226	0.0217	90.3	86.9	73.0-120			3.85	20
Tetrachloroethene	0.0250	0.0257	0.0262	103	105	70.0-127			2.00	20
Toluene	0.0250	0.0238	0.0246	95.1	98.4	77.0-120			3.37	20
1,1,2-Trichlorotrifluoroethane	0.0250	0.0274	0.0288	109	115	64.0-135			5.20	20
1,2,3-Trichlorobenzene	0.0250	0.0247	0.0241	98.8	96.6	68.0-126			2.21	20
1,2,4-Trichlorobenzene	0.0250	0.0253	0.0249	101	99.6	70.0-127			1.68	20
1,1,1-Trichloroethane	0.0250	0.0285	0.0296	114	118	69.0-125			3.80	20
1,1,2-Trichloroethane	0.0250	0.0233	0.0232	93.2	92.9	78.0-120			0.231	20
Trichloroethene	0.0250	0.0265	0.0276	106	110	79.0-120			3.98	20
Trichlorofluoromethane	0.0250	0.0285	0.0301	114	120	59.0-136			5.59	20
1,2,3-Trichloropropane	0.0250	0.0221	0.0217	88.4	86.9	73.0-124			1.68	20
1,2,3-Trimethylbenzene	0.0250	0.0258	0.0261	103	105	76.0-120			1.18	20
1,2,4-Trimethylbenzene	0.0250	0.0265	0.0272	106	109	75.0-120			2.44	20
1,3,5-Trimethylbenzene	0.0250	0.0270	0.0277	108	111	75.0-120			2.60	20
Vinyl chloride	0.0250	0.0277	0.0290	111	116	63.0-134			4.34	20
Xylenes, Total	0.0750	0.0792	0.0803	106	107	77.0-120			1.38	20
Vinyl acetate	0.125	0.121	0.107	96.8	85.4	58.0-156			12.5	20
(S) Toluene-d8				*96.2*	*98.7*	*80.0-120*				
(S) Dibromofluoromethane				*101*	*99.4*	*74.0-131*				
(S) 4-Bromofluorobenzene				*97.4*	*98.2*	*64.0-132*				

L954694-27 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L954694-27 12/06/17 15:46 • (MS) R3270931-4 12/06/17 20:20 • (MSD) R3270931-5 12/06/17 20:42

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acetone	0.143	U	1.48	1.62	41.4	45.5	25	10.0-160			9.43	36
Acrylonitrile	0.143	U	2.16	2.35	60.6	65.9	25	14.0-160			8.46	33
Benzene	0.0285	U	0.451	0.508	63.3	71.2	25	13.0-146			11.8	27
Bromobenzene	0.0285	U	0.451	0.501	63.3	70.3	25	10.0-149			10.5	33
Bromodichloromethane	0.0285	U	0.466	0.514	65.3	72.1	25	15.0-142			9.78	28
Bromochloromethane	0.0285	U	0.458	0.501	64.3	70.3	25	24.0-146			8.97	27
Bromoform	0.0285	U	0.402	0.445	56.4	62.5	25	10.0-147			10.1	31
Bromomethane	0.0285	U	0.334	0.379	46.9	53.2	25	10.0-160			12.6	32
n-Butylbenzene	0.0285	U	0.543	0.617	76.1	86.6	25	10.0-154			12.8	37
sec-Butylbenzene	0.0285	U	0.536	0.598	75.2	83.8	25	10.0-151			10.8	36
tert-Butylbenzene	0.0285	U	0.530	0.583	74.3	81.7	25	10.0-152			9.55	35
Carbon disulfide	0.0285	U	0.234	0.262	32.8	36.7	25	10.0-141			11.2	30
Carbon tetrachloride	0.0285	U	0.439	0.497	61.5	69.7	25	13.0-140			12.5	30
Chlorobenzene	0.0285	U	0.470	0.526	65.9	73.7	25	10.0-149			11.3	31
Chlorodibromomethane	0.0285	U	0.455	0.496	63.8	69.5	25	12.0-147			8.60	29
Chloroethane	0.0285	U	0.214	0.233	29.9	32.6	25	10.0-159			8.52	33
Chloroform	0.0285	U	0.495	0.550	69.5	77.2	25	18.0-148			10.5	28
Chloromethane	0.0285	U	0.341	0.384	47.8	53.8	25	10.0-146			11.9	29
2-Chlorotoluene	0.0285	U	0.484	0.538	67.9	75.4	25	10.0-151			10.4	35
4-Chlorotoluene	0.0285	U	0.478	0.539	67.0	75.6	25	10.0-150			12.0	35
1,2-Dibromo-3-Chloropropane	0.0285	U	0.381	0.437	53.5	61.3	25	10.0-149			13.7	34
1,2-Dibromoethane	0.0285	U	0.423	0.470	59.3	65.9	25	14.0-145			10.5	28
Dibromomethane	0.0285	U	0.439	0.477	61.5	66.9	25	18.0-144			8.36	27
1,2-Dichlorobenzene	0.0285	U	0.464	0.513	65.1	71.9	25	10.0-153			9.94	34
1,3-Dichlorobenzene	0.0285	U	0.471	0.520	66.0	72.9	25	10.0-150			9.87	35
1,4-Dichlorobenzene	0.0285	U	0.462	0.511	64.7	71.7	25	10.0-148			10.2	34
Dichlorodifluoromethane	0.0285	U	0.396	0.449	55.6	62.9	25	10.0-160			12.4	30
1,1-Dichloroethane	0.0285	U	0.474	0.530	66.5	74.3	25	19.0-148			11.1	28
1,2-Dichloroethane	0.0285	U	0.457	0.506	64.0	70.9	25	17.0-147			10.2	27
trans-1,4-Dichloro-2-butene	0.0285	U	0.417	0.452	58.4	63.4	25	10.0-160			8.10	40
1,1-Dichloroethene	0.0285	U	0.403	0.452	56.5	63.4	25	10.0-150			11.4	31
cis-1,2-Dichloroethene	0.0285	0.645	1.09	1.19	62.0	77.0	25	16.0-145			9.38	28
trans-1,2-Dichloroethene	0.0285	0.00859	0.422	0.477	58.0	65.7	25	11.0-142			12.3	29
1,2-Dichloropropane	0.0285	U	0.449	0.501	62.9	70.3	25	17.0-148			11.1	28
1,1-Dichloropropene	0.0285	U	0.435	0.491	61.0	68.8	25	10.0-150			12.1	30
1,3-Dichloropropane	0.0285	U	0.441	0.489	61.9	68.5	25	16.0-148			10.2	27
cis-1,3-Dichloropropene	0.0285	U	0.459	0.509	64.4	71.3	25	13.0-150			10.3	28
trans-1,3-Dichloropropene	0.0285	U	0.453	0.504	63.5	70.6	25	10.0-152			10.7	29
2,2-Dichloropropane	0.0285	U	0.538	0.580	75.4	81.3	25	16.0-143			7.58	30

L954694-27 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L954694-27 12/06/17 15:46 • (MS) R3270931-4 12/06/17 20:20 • (MSD) R3270931-5 12/06/17 20:42

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Di-isopropyl ether	0.0285	U	0.486	0.543	68.1	76.1	25	16.0-149			11.1	28
Ethylbenzene	0.0285	U	0.493	0.556	69.1	78.0	25	10.0-147			12.0	31
Hexachloro-1,3-butadiene	0.0285	U	0.601	0.697	84.3	97.8	25	10.0-154			14.8	40
2-Hexanone	0.143	U	2.04	2.21	57.3	62.1	25	12.0-158			7.93	30
Isopropylbenzene	0.0285	U	0.493	0.539	69.2	75.5	25	10.0-147			8.83	33
p-Isopropyltoluene	0.0285	U	0.545	0.609	76.4	85.4	25	10.0-156			11.2	37
2-Butanone (MEK)	0.143	U	1.87	2.04	52.4	57.1	25	10.0-160			8.56	33
n-Hexane	0.0285	U	0.279	0.313	39.2	44.0	25	10.0-140			11.5	34
Iodomethane	0.143	U	2.12	2.36	59.3	66.3	25	10.0-157			11.1	34
Methylene Chloride	0.0285	U	0.421	0.464	59.1	65.1	25	16.0-139			9.72	29
4-Methyl-2-pentanone (MIBK)	0.143	U	2.05	2.22	57.6	62.3	25	12.0-160			7.76	32
Methyl tert-butyl ether	0.0285	U	0.466	0.512	65.3	71.8	25	21.0-145			9.40	29
Naphthalene	0.0285	U	0.381	0.439	53.5	61.6	25	10.0-153			14.1	36
n-Propylbenzene	0.0285	U	0.493	0.553	69.2	77.6	25	10.0-151			11.4	34
Styrene	0.0285	U	0.496	0.545	69.6	76.4	25	10.0-155			9.37	34
1,1,1,2-Tetrachloroethane	0.0285	U	0.487	0.544	68.3	76.3	25	10.0-147			11.1	30
1,1,2,2-Tetrachloroethane	0.0285	U	0.378	0.406	53.0	56.9	25	10.0-155			7.21	31
Tetrachloroethene	0.0285	9.49	8.81	9.33	0.000	0.000	25	10.0-144	E V	E V	5.77	32
Toluene	0.0285	U	0.429	0.478	60.2	67.1	25	10.0-144			10.8	28
1,1,2-Trichlorotrifluoroethane	0.0285	U	0.504	0.567	70.6	79.5	25	10.0-153			11.8	33
1,2,3-Trichlorobenzene	0.0285	U	0.439	0.504	61.6	70.7	25	10.0-153			13.9	40
1,2,4-Trichlorobenzene	0.0285	U	0.456	0.523	63.9	73.4	25	10.0-156			13.7	40
1,1,1-Trichloroethane	0.0285	U	0.502	0.561	70.3	78.7	25	18.0-145			11.2	29
1,1,2-Trichloroethane	0.0285	U	0.436	0.477	61.1	66.9	25	12.0-151			8.96	28
Trichloroethene	0.0285	0.434	0.854	0.941	58.8	71.0	25	11.0-148			9.72	29
Trichlorofluoromethane	0.0285	U	0.313	0.346	44.0	48.5	25	10.0-157			9.78	34
1,2,3-Trichloropropane	0.0285	U	0.393	0.435	55.2	61.0	25	10.0-154			10.1	32
1,2,3-Trimethylbenzene	0.0285	U	0.527	0.585	73.9	82.0	25	10.0-150			10.4	33
1,2,4-Trimethylbenzene	0.0285	U	0.501	0.557	70.2	78.1	25	10.0-151			10.6	34
1,3,5-Trimethylbenzene	0.0285	U	0.510	0.565	71.6	79.3	25	10.0-150			10.2	33
Vinyl chloride	0.0285	0.0584	0.418	0.462	50.4	56.6	25	10.0-150			10.0	29
Xylenes, Total	0.0856	U	1.46	1.65	68.1	76.9	25	10.0-150			12.1	31
Vinyl acetate	0.143	U	1.20	1.09	33.6	30.5	25	10.0-160			9.82	40
(S) Toluene-d8					*100*	*100*		*80.0-120*				
(S) Dibromofluoromethane					*97.8*	*98.4*		*74.0-131*				
(S) 4-Bromofluorobenzene					*97.8*	*97.6*		*64.0-132*				

Sample Narrative:

OS: Cannot be analyzed at a lower dilution due to high levels of target analytes.

Method Blank (MB)

(MB) R3270811-3 12/05/17 12:17

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

Method Blank (MB)

(MB) R3270811-3 12/05/17 12:17

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Ethylbenzene	U		0.158	0.500
Hexachloro-1,3-butadiene	U		0.157	1.00
2-Hexanone	U		0.757	5.00
n-Hexane	U		0.305	5.00
Iodomethane	U		0.377	10.0
Isopropylbenzene	U		0.126	0.500
p-Isopropyltoluene	U		0.138	0.500
2-Butanone (MEK)	U		1.28	5.00
Methylene Chloride	U		1.07	2.50
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00
Methyl tert-butyl ether	U		0.102	0.500
Naphthalene	U		0.174	2.50
n-Propylbenzene	U		0.162	0.500
Styrene	U		0.117	0.500
1,1,1,2-Tetrachloroethane	U		0.120	0.500
1,1,2,2-Tetrachloroethane	U		0.130	0.500
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500
Tetrachloroethene	U		0.199	0.500
Toluene	U		0.412	0.500
1,2,3-Trichlorobenzene	U		0.164	0.500
1,2,4-Trichlorobenzene	U		0.355	0.500
1,1,1-Trichloroethane	U		0.0940	0.500
1,1,2-Trichloroethane	U		0.186	0.500
Trichloroethene	U		0.153	0.500
Trichlorofluoromethane	U		0.130	2.50
1,2,3-Trichloropropane	U		0.247	2.50
1,2,4-Trimethylbenzene	U		0.123	0.500
1,2,3-Trimethylbenzene	U		0.0739	0.500
1,3,5-Trimethylbenzene	U		0.124	0.500
Vinyl acetate	U		0.645	5.00
Vinyl chloride	U		0.118	0.500
Xylenes, Total	U		0.316	1.50
(S) Toluene-d8	*102*			*80.0-120*
(S) Dibromofluoromethane	*98.6*			*76.0-123*
(S) 4-Bromofluorobenzene	*96.8*			*80.0-120*

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

(LCS) R3270811-1 12/05/17 11:18 • (LCSD) R3270811-2 12/05/17 11:37

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	125	211	196	169	157	10.0-160	J4		7.29	23
Acrylonitrile	125	132	128	105	103	60.0-142			2.60	20
Benzene	25.0	24.6	24.1	98.4	96.5	69.0-123			1.94	20
Bromobenzene	25.0	25.0	24.5	100	98.1	79.0-120			2.10	20
Bromodichloromethane	25.0	25.7	25.4	103	102	76.0-120			0.918	20
Bromochloromethane	25.0	25.6	24.4	102	97.4	76.0-122			4.87	20
Bromoform	25.0	27.3	26.8	109	107	67.0-132			1.86	20
Bromomethane	25.0	24.2	23.9	96.8	95.7	18.0-160			1.10	20
n-Butylbenzene	25.0	25.5	25.6	102	102	72.0-126			0.360	20
sec-Butylbenzene	25.0	25.0	24.9	100	99.5	74.0-121			0.703	20
tert-Butylbenzene	25.0	24.8	24.7	99.1	99.0	75.0-122			0.144	20
Carbon disulfide	25.0	23.8	24.0	95.2	96.0	55.0-127			0.908	20
Carbon tetrachloride	25.0	24.1	23.9	96.3	95.8	63.0-122			0.533	20
Chlorobenzene	25.0	25.0	24.8	100	99.2	79.0-121			0.870	20
Chlorodibromomethane	25.0	25.9	25.6	104	103	75.0-125			1.04	20
Chloroethane	25.0	23.4	23.6	93.5	94.2	47.0-152			0.735	20
Chloroform	25.0	24.4	24.3	97.6	97.3	72.0-121			0.341	20
Chloromethane	25.0	25.3	24.5	101	98.1	48.0-139			3.19	20
2-Chlorotoluene	25.0	24.2	23.3	96.6	93.2	74.0-122			3.66	20
4-Chlorotoluene	25.0	24.9	24.4	99.4	97.4	79.0-120			2.03	20
1,2-Dibromo-3-Chloropropane	25.0	25.0	24.9	100	99.7	64.0-127			0.387	20
1,2-Dibromoethane	25.0	25.9	25.5	103	102	77.0-123			1.27	20
Dibromomethane	25.0	25.6	25.6	102	102	78.0-120			0.262	20
1,2-Dichlorobenzene	25.0	25.5	25.9	102	104	80.0-120			1.63	20
1,3-Dichlorobenzene	25.0	24.9	24.8	99.6	99.2	72.0-123			0.387	20
1,4-Dichlorobenzene	25.0	24.4	24.5	97.6	97.8	77.0-120			0.199	20
Dichlorodifluoromethane	25.0	28.4	28.3	114	113	49.0-155			0.456	20
1,1-Dichloroethane	25.0	24.6	24.4	98.3	97.7	70.0-126			0.586	20
1,2-Dichloroethane	25.0	25.3	25.3	101	101	67.0-126			0.118	20
1,1-Dichloroethene	25.0	25.2	24.9	101	99.7	64.0-129			1.04	20
cis-1,2-Dichloroethene	25.0	24.9	23.9	99.4	95.6	73.0-120			3.98	20
trans-1,2-Dichloroethene	25.0	24.0	23.6	95.8	94.4	71.0-121			1.53	20
1,2-Dichloropropane	25.0	25.4	25.8	101	103	75.0-125			1.60	20
1,1-Dichloropropene	25.0	24.3	24.4	97.1	97.6	71.0-129			0.532	20
1,3-Dichloropropane	25.0	25.5	24.9	102	99.7	80.0-121			2.41	20
cis-1,3-Dichloropropene	25.0	25.5	25.8	102	103	79.0-123			1.04	20
trans-1,3-Dichloropropene	25.0	25.9	26.0	103	104	74.0-127			0.456	20
trans-1,4-Dichloro-2-butene	25.0	27.8	28.4	111	114	55.0-134			2.35	20
2,2-Dichloropropane	25.0	25.3	25.2	101	101	60.0-125			0.461	20
Di-isopropyl ether	25.0	24.5	24.6	98.0	98.4	59.0-133			0.437	20

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

(LCS) R3270811-1 12/05/17 11:18 • (LCSD) R3270811-2 12/05/17 11:37

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Ethylbenzene	25.0	24.6	24.4	98.5	97.6	77.0-120			0.915	20
Hexachloro-1,3-butadiene	25.0	26.1	27.0	105	108	64.0-131			3.10	20
2-Hexanone	125	151	145	121	116	58.0-147			4.40	20
n-Hexane	25.0	27.2	27.4	109	110	56.0-124			0.772	20
Iodomethane	125	121	122	97.0	97.9	57.0-140			0.934	20
Isopropylbenzene	25.0	24.8	24.6	99.0	98.4	75.0-120			0.611	20
p-Isopropyltoluene	25.0	25.8	25.7	103	103	74.0-126			0.0922	20
2-Butanone (MEK)	125	173	165	138	132	37.0-158			4.73	20
Methylene Chloride	25.0	23.7	23.5	94.8	94.1	66.0-121			0.760	20
4-Methyl-2-pentanone (MIBK)	125	139	137	111	109	59.0-143			1.53	20
Methyl tert-butyl ether	25.0	25.8	25.9	103	103	64.0-123			0.302	20
Naphthalene	25.0	26.0	26.5	104	106	62.0-128			2.13	20
n-Propylbenzene	25.0	25.2	24.5	101	98.1	79.0-120			2.82	20
Styrene	25.0	26.6	26.0	106	104	78.0-124			2.13	20
1,1,1,2-Tetrachloroethane	25.0	24.7	25.3	98.7	101	75.0-122			2.46	20
1,1,2,2-Tetrachloroethane	25.0	26.3	25.5	105	102	71.0-122			2.94	20
1,1,2-Trichlorotrifluoroethane	25.0	26.6	26.2	107	105	61.0-136			1.51	20
Tetrachloroethene	25.0	23.2	23.6	93.0	94.5	70.0-127			1.59	20
Toluene	25.0	24.2	24.2	97.0	96.8	77.0-120			0.213	20
1,2,3-Trichlorobenzene	25.0	27.3	26.7	109	107	61.0-133			1.90	20
1,2,4-Trichlorobenzene	25.0	27.0	28.0	108	112	69.0-129			3.33	20
1,1,1-Trichloroethane	25.0	23.9	24.9	95.5	99.4	68.0-122			4.09	20
1,1,2-Trichloroethane	25.0	25.7	26.2	103	105	78.0-120			1.74	20
Trichloroethene	25.0	24.8	25.2	99.1	101	78.0-120			1.56	20
Trichlorofluoromethane	25.0	26.6	26.6	106	106	56.0-137			0.0534	20
1,2,3-Trichloropropane	25.0	25.9	25.1	103	100	72.0-124			3.15	20
1,2,4-Trimethylbenzene	25.0	24.8	24.9	99.3	99.7	75.0-120			0.381	20
1,2,3-Trimethylbenzene	25.0	25.2	24.7	101	98.9	75.0-120			2.07	20
1,3,5-Trimethylbenzene	25.0	24.7	25.5	98.9	102	75.0-120			2.91	20
Vinyl acetate	125	182	183	146	146	46.0-160			0.376	20
Vinyl chloride	25.0	24.1	23.9	96.4	95.8	64.0-133			0.646	20
Xylenes, Total	75.0	74.1	75.1	98.8	100	77.0-120			1.34	20
(S) Toluene-d8				*99.3*	*99.7*	*80.0-120*				
(S) Dibromofluoromethane				*99.1*	*100*	*76.0-123*				
(S) 4-Bromofluorobenzene				*100*	*99.7*	*80.0-120*				

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

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

Abbreviations and Definitions

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

Qualifier	Description
B	The same analyte is found in the associated blank.
E	The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL).
J	The identification of the analyte is acceptable; the reported value is an estimate.
J0	J0: Calibration verification outside of acceptance limits. Result is estimated.
J4	The associated batch QC was outside the established quality control range for accuracy.
V	The sample concentration is too high to evaluate accurate spike recoveries.
V3	The internal standard exhibited poor recovery due to sample matrix interference. The analytical results will be biased high. BDL results will be unaffected.

ACCREDITATIONS & LOCATIONS

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

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

State Accreditations

Alabama	40660	Nevada	TN-03-2002-34
Alaska	UST-080	New Hampshire	2975
Arizona	AZ0612	New Jersey–NELAP	TN002
Arkansas	88-0469	New Mexico	TN00003
California	01157CA	New York	11742
Colorado	TN00003	North Carolina	Env375
Conneticut	PH-0197	North Carolina [1]	DW21704
Florida	E87487	North Carolina [2]	41
Georgia	NELAP	North Dakota	R-140
Georgia [1]	923	Ohio–VAP	CL0069
Idaho	TN00003	Oklahoma	9915
Illinois	200008	Oregon	TN200002
Indiana	C-TN-01	Pennsylvania	68-02979
Iowa	364	Rhode Island	221
Kansas	E-10277	South Carolina	84004
Kentucky [1]	90010	South Dakota	n/a
Kentucky [2]	16	Tennessee [1,4]	2006
Louisiana	AI30792	Texas	T 104704245-07-TX
Maine	TN0002	Texas [5]	LAB0152
Maryland	324	Utah	6157585858
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	109
Minnesota	047-999-395	Washington	C1915
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	9980939910
Montana	CERT0086	Wyoming	A2LA
Nebraska	NE-OS-15-05		

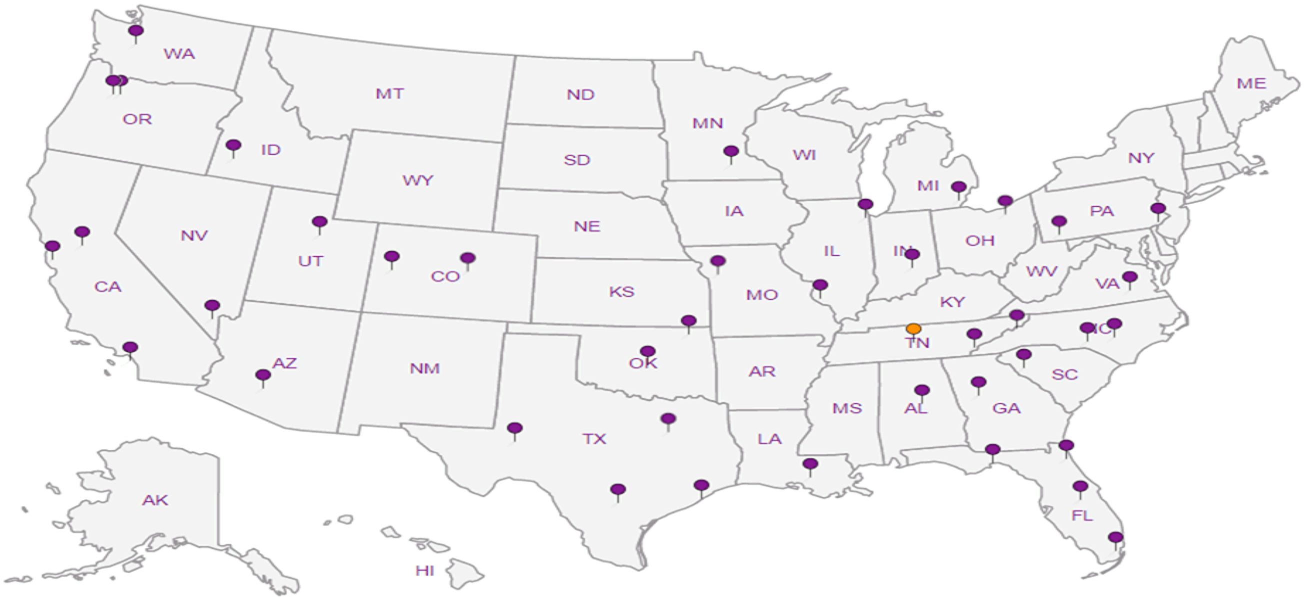
Third Party & Federal Accreditations

A2LA – ISO 17025	1461.01	AIHA-LAP,LLC	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	S-67674
EPA–Crypto	TN00003		

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

Our Locations

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



Chain of Custody Page 1 of 4

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

PES Environmental, Inc.- WA

1215 Fourth Ave., Suite 1350
Seattle, WA 98161

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

Pres Chk

Analysis / Container / Preservative

Report to: **Bill Haldeman**

Email To: **bhaldeman@pesenv.com**

Project Description: **American Linen Project**

City/State Collected:

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

Client Project # **1413.001.02.602**

Lab Project # **PESENVSWA-ALP**

Collected by (print): Karsten Springstead

Site/Facility ID # 1413.001.02.602

P.O. # 1413.001.02.602

Collected by (signature):

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

Quote #

Date Results Needed

Immediately Packed on Ice N ___ Y X

L# 954694

G197

Acctnum: **PESENVSWA**
Template: **T130006**
Prelogin: **P626805**
TSR: **110 - Brian Ford**
PB: 11-14-17 CS
Shipped Via: **FedEX Ground**

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260C VOCs 40ml/NaHSO4/Syr/MeOH	dry wt/voc screen 2ozClr-NoPres	Remarks	Sample # (lab only)
B-230-6	Grab	SS	6	11-30-17	840	5	X	X		-01
B-230-11		SS	11		850		X	X		-02
B-230-16		SS	16		900		X	X		-03
B-230-21		SS	21		910		X	X		-04
B-230-26		SS	26		920		X	X		-05
B-230-31		SS	31		930		X	X		-06
B-922-15		SS	15		805		X	X		-07
B-230-35		SS	35		950		X	X		-08
B-230-40		SS	40		1000		HOLD			~~-09~~ [illegible]
B-230-45		SS	45		1040		HOLD			

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

Remarks:

1063

pH ______ Temp ______

Flow ______ Other ______

Samples returned via:
___ UPS X FedEx ___ Courier ___ ______

Tracking # 4142521960744

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

Relinquished by : (Signature) Date: 12-1-17 Time: 1445

Received by: (Signature)

Trip Blank Received: [✓ Yes] / No
[✓ HCL] / MeoH
TBR
2

Relinquished by : (Signature) Date: Time:

Received by: (Signature)

Temp: 5.4 140 °C # Bottles Received: [illegible] 182

If preservation required by Login: Date/Time

Relinquished by : (Signature) Date: Time:

Received for lab by: (Signature) Marina [illegible]

Date: 12-02-17 Time: 0845

11-178

Condition: NCF / [✓ OK]

Chain of Custody Page 2 of 4

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

PES Environmental, Inc.- WA

1215 Fourth Ave., Suite 1350
Seattle, WA 98161

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

Pres Chk

Email To: bhaldeman@pesenv.com

Report to:
Bill Haldeman

Project Description: American Linen Project

City/State Collected:

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

Client Project #: 1413.001.02.602

Lab Project #: PESENVSWA-ALP

Collected by (print): Karsten Springstead

Site/Facility ID #: 1413.001.02.602

P.O. #: 1413.001.02.602

Collected by (signature): Karsten Springstead

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

Quote #

Date Results Needed

Immediately Packed on Ice N ___ Y X

L# 954694

Table #

Acctnum: PESENVSWA
Template: T130006
Prelogin: P626805
TSR: 110 - Brian Ford
PB: 11-14-17 CS
Shipped Via: FedEX Ground

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260C VOCs 40ml/NaHSO4/Syr/MeOH	dry wt/voc screen 2ozClr-NoPres	Remarks	Sample # (lab only)
B-230-50	Grab	SS	50	11-30-17	1050	5	HOLD			
B-230-55		SS	55		1105	5	X	X		-09
B-231-6		SS	6		1350		X	X		-10
B-231-11		SS	11		1355		X	X		-11
B-231-16		SS	16		1405		X	X		-12
B-231-21		SS	21		1415		X	X		-13
B-231-26		SS	26		1425		X	X		-14
B-231-30		SS	30		1435		X	X		-15
B-231-36		SS	36		1445		X	X		-16
B-231-40	↓	SS	40	↓	1450	↓	HOLD			

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

Remarks:

1063

pH ______ Temp ______
Flow ______ Other ______

Samples returned via:
___ UPS ✓ FedEx ___ Courier ___

Tracking # 414252191074

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

Relinquished by : (Signature)	Date: 12-1-17	Time: 1445	Received by: (Signature)	Trip Blank Received: [✓ Yes] / No [✓ HCL] / MeoH TBR 2
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 5.4 °C Bottles Received: ~~146~~ 146 82
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature) 859	Date: 12-02-17 Time: 0845

If preservation required by Login: Date/Time

Hold:

Condition: NCF / [✓ OK]

Chain of Custody Page 3 of 4

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

PES Environmental, Inc.- WA

1215 Fourth Ave., Suite 1350
Seattle, WA 98161

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

Pres Chk

Email To: bhaldeman@pesenv.com

Report to: **Bill Haldeman**

Project Description: **American Linen Project**

City/State Collected:

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

Client Project # **1413.001.02.602**

Lab Project # **PESENVSWA-ALP**

Collected by (print): Karsten Spinkstad

Site/Facility ID # 1413.001.02.602

P.O. # 1413.001.02.602

Collected by (signature):

Quote #

Immediately Packed on Ice N ___ Y X

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

Date Results Needed

L# 954694

Table #

Acctnum: **PESENVSWA**
Template: **T130006**
Prelogin: **P626805**
TSR: **110 - Brian Ford**
PB: 11-14-17 CS
Shipped Via: **FedEX Ground**

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260C VOCs 40ml/NaHS04/Syr/MeOH	dry wt/voc screen 2ozClr-NoPres	Remarks	Sample # (lab only)
B-232-6	Grab	SS	6	12-1-17	900	5	X	X		-17
B-232-11		SS	11		910	5	X	X		-18
B-232-16		SS	16		920		X	X		-19
B-232-21		SS	21		925		X	X		-20
B-232-26		SS	26		935		X	X		-21
B-232-31		SS	31		945		X	X		-22
B-232-36		SS	36		955		X	X		-23
B-232-40		SS	40		1005		HOLD			
B-233-6		SS	6		1230		X	X		-24
B-233-11		SS	11		1235		X	X		-25

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

Remarks:

pH ______ Temp ______
Flow ______ Other ______

Samples returned via:
__ UPS X FedEx __ Courier ______

Tracking # 414252191085

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

Relinquished by : (Signature)	Date: 12-1-17	Time: 1445	Received by: (Signature)
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature) Marina 851

Trip Blank Received: [✓ Yes] / No
[✓ HCL] / MeoH
TBR
2

Temp: 5.4 °C Bottles Received: 146

Date: 12-02-17 Time: 0845

If preservation required by Login: Date/Time

Hold:

Condition: NCF / [✓ OK]

PES Environmental, Inc.- WA

1215 Fourth Ave., Suite 1350
Seattle, WA 98161

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

Pres Chk

Chain of Custody Page 4 of 4

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

Report to:
Bill Haldeman

Email To: **bhaldeman@pesenv.com**

Project Description: **American Linen Project**

City/State Collected:

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

Client Project #
1413.001.02.602

Lab Project #
PESENVSWA-ALP

L# 954694

Table #

Acctnum: **PESENVSWA**
Template: **T130006**
Prelogin: **P626805**
TSR: **110 - Brian Ford**
PB: 11-14-17 CS
Shipped Via: **FedEX Ground**

Collected by (print): Karsten Springsted

Site/Facility ID #
1413.001.02.602

P.O. #
1413.001.02.602

Collected by (signature):

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

Quote #

Date Results Needed

Immediately Packed on Ice N___ Y X

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260C VOCs 40ml/NaHSO4/Syr/MeOH	dry wt/voc screen 2ozClr-NoPres									Remarks	Sample # (lab only)
B-233-16	Grab	SS	16	12-1-17	1245	5	X	X										-26
B-233-21		SS	21		1255		X	X										-27
B-233-26		SS	26		1305		X	X										-28
B-233-31		SS	31		1320		X	X										-29
B-233-36		SS	36		1330		X	X										-30
B-233-41		SS	41		1340		HOLD											~~-31~~ mw
TRIP BLANK	—	SS	—	—	—	2	X											-31
		SS																
		SS																
		SS																

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

Remarks:

pH ______ Temp ______
Flow ______ Other ______

Samples returned via:
__ UPS ✓ FedEx __ Courier __ ______

Tracking # 4142 5219 1085

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

Relinquished by : (Signature)	Date: 12-1-17	Time: 1445	Received by: (Signature)	Trip Blank Received: [✓ Yes] No [✓ HCL] MeoH TBR 2
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 5.4 °C Bottles Received: 182
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature) Marina	Date: 12-02-17 Time: 0845

If preservation required by Login: Date/Time

Hold:

Condition: NCF / [✓ OK]

MEMORANDUM

TO: Project File **DATE:** December 22, 2017

FROM: Jessie Compeau

SUBJECT: Laboratory Data Validation Review

PROJECT: Former American Linen Supply Site, Seattle WA

PROJECT #: 1413.001.02.604

TASK: November 30 and December 1, 2017 – Soil Samples

LAB: ESC Lab ID L954694

Thirty-six (36) soil samples and a trip blank were collected as part of a sampling event at the Former American Linen Supply Site, in Seattle, Washington, on November 28 and 29, 2017. The samples were shipped and delivered to ESC Lab Sciences (ESC) of Mount Juliet, TN for laboratory analysis. Six soil samples were placed on hold. Selected samples were analyzed for the following:

- Volatile organic compounds (VOCs) by United States Environmental Protection Agency (USEPA) Method 8260C; and
- Total Solids by Standard Methods 2540 G-2011.

The results are reported in ESC Sample Delivery Group (SDG) L954694. The quarterly monitoring round occurred between November and December of 2017. Associated sample data are reported in 5 ESC SDGs (SDGs L953811, L954448, L954694, L955420, and L956226). The quality assurance review of the sample data associated with SDG L954694 is summarized below.

DATA QUALIFICATIONS

Guidelines established by USEPA for a limited data validation review of analytical data along with ESC control limit criteria were used to validate the data. The comments presented in this memorandum refer to the laboratory's performance in meeting the quality control criteria outlined in the USEPA Contract Laboratory Program National Functional Guidelines for Organic Superfund Methods Data Review (USEPA, 2017).

DATA VALIDATION

Completeness

All samples were collected and analyzed as requested.

Sample Collection and Preservation

Samples were collected on November 30 and December 1, 2017 in laboratory-supplied sample containers preserved as appropriate for the individual analyses conducted. The samples were packed on ice and shipped on December 1, 2017 overnight by courier to ESC. The laboratory reported that the cooler and samples were received at 5.4 degrees Centigrade (°C) and below the recommended temperature preservation of 6°C. The laboratory indicated that the samples were received in good condition. No data were qualified based upon the sample collection and preservation information with the following discussion:

- Trip Blank collection date and time are not listed on the chain of custody. No action is taken other than to note this. The laboratory listed a default collection time of November 30, 2017.

Holding Times

USEPA Method 8260C:
All samples were analyzed for VOCs within the USEPA recommended holding time of fourteen days for soils and preserved water (trip blank) from the date of sample collection. All holding time criteria were met.

General Chemistry (Total Solids):
Samples were analyzed within the USEPA recommended holding time of seven days for total solids. All holding time criteria were met.

Initial and Continuing Calibration

Calibration data for this project are not required for this deliverable however ESC's notes indicate the following:

- *USEPA Method 8260C:* Continuing calibration verification (CCV) issues were noted by ESC for bromomethane, 2,2-dichloropropane, and hexachloro-1,3-butadiene associated with analytical batch WG1050240 (analyzed on December 6, 2017). These results are qualified by the laboratory "J0" to indicate that percent difference CCV is outside of laboratory acceptance criteria. **All associated sample results with laboratory qualified J0 results are estimated and qualified (UJ or J).**

Method Blank Results

USEPA Method 8260C:
Laboratory method blank was included with the analytical batch per method requirement. The target analytes (VOCs) were not detected in the method blanks at or above the reported detection limits (RDLs) with the following exception:

- Tetrachloroethene (Batch WG1049340) was detected at a low level below the RDL and above the method detection limit. **Sample B-232-11 tetrachloroethene result is slightly above the RDL and per NFG guidelines estimated with high bias and qualified (J+)**

due to contamination in the method blank. Refer to the discussion under compound identification and quantitation for additional information about this sample. **Sample B-232-16 tetrachloroethene result is below the RDL and per NFG guidelines qualified as not detected (U) due to contamination in the method blank.**

Total Solids by SM 2540 G 2011:
Laboratory method blank was included with the analytical batches per method requirement. The target analytes (% solids) were not detected at a significant level in the method blanks and sample results are not impacted.

Trip Blank Results

USEPA Method 8260C:
A trip blank was collected and analyzed. The target analytes (VOCs) were not detected in the trip blank at or above the reported detection limits (RDLs).

Field, Rinsate, or Equipment Blank Results

Field, rinsate, or equipment blanks were not collected.

Field Duplicate Analyses

Field duplicate (samples B-230-21/ B-922-15) results are comparable and less than 30% RPD with the following exceptions:

- Field duplicate sample pair RPDs are greater than 30% for cis-1,2-dichloroethene, tetrachloroethene, and trichloroethene. **Sample field duplicate (B-230-21/B-922-15) results for cis-1,2-dichloroethene, tetrachloroethene, and trichloroethene are estimated and qualified (J) due to poor field precision.**

Laboratory Duplicate Analyses

USEPA Method 8260C:
A laboratory duplicate sample was not analyzed. Refer to laboratory control sample/sample duplicate (LCS/LCSD) or matrix spike/matrix spike duplicates (MS/MSDs) results for precision data.

Total Solids by SM 2540 G 2011:
Laboratory duplicate sample analyses were performed on non-client samples within the analytical batches. The primary/duplicate RPDs for total solids analyses are within the laboratory control limit of 5%.

Surrogate Recoveries

USEPA Method 8260C:
The surrogate recovery results for the samples, LCS/LCSDs, MS/MSDs, and the method blanks are within the laboratory surrogate control limits for all of the analyses.

Laboratory Control Samples

USEPA Method 8260C:
LCS/LCSD was analyzed by USEPA Method 8260C method. The LCS/LCSD %Rs and RPDs for the all target compounds are within the laboratory control criteria for soils and waters with the following exceptions:

- LCS/LCSD (Batch WG1050240) % recoveries for 2,2-dichloropropane are above control limit criteria and qualified by the laboratory (J4). No action was taken since 2,2-dichloropropane is not detected in the associated soil samples.

- LCS (Batch WG1049615 associated with the Trip Blank) recovery for acetone is above laboratory acceptance criteria and qualified by the laboratory (J4). No action was taken on this basis since this acetone was not detected in the Trip Blank.

Total Solids by SM 2540 G 2011:
The LCS %Rs for total solids are within the laboratory control criteria for soils.

Matrix Spike/Matrix Spike Duplicates

USEPA Method 8260C:
Matrix spike/matrix spike duplicate (MS/MSD) analyses were performed on client samples B-231-16 and B-233-21. The MS/MSD %Rs and RPDs for all target compounds are within the laboratory control criteria for soils with the following exception:

- MS/MSD (Batch WG1050240) sample B-233-21 tetrachloroethene spike compound recoveries are not recovered and did not meet laboratory acceptance criteria. Tetrachloroethene result was qualified (V and E) by the laboratory to indicate that the sample concentration was too high to evaluate accurate spike recoveries and exceeded the upper limit of the calibration range. No action is taken in this case. Refer to LCS/LCSD results for precision and accuracy results.

Other Quality Control Issues

No laboratory quality control issues were identified in the laboratory report.

Compound Identification and Quantitation Limits

The RDLs used for this sample group were acceptable for the project. Several samples were diluted due to elevated concentrations of various target analytes. ESC notes indicate that for soil samples B-230-16, B-230-21, B-230-26, B-233-21, B-230-31, B-922-15, B-230-35, B-230-55, B-231-16, B-231-21, B-232-26, B-233-21, B-233-26, B-233-31, and B-233-36 the target compounds were too high to run the sample at a lower dilution.

Selected compounds in samples B-232-11 and B-233-11 are qualified (V3) by ESC to indicate that “the internal standard exhibited poor recovery due to sample matrix interference”. Positively detected results will be biased high. These compounds are estimated and qualified (J+) to indicate a high bias.

Detections between the MDL and RDL are estimated (J) by the laboratory and qualified (J) by the data validator to re-emphasize that the detection is estimated.

Data Assessment

The laboratory data reported for this project were reviewed based on laboratory control limit acceptance criteria and criteria outlined in:

- USEPA Contract Laboratory Program National Functional Guidelines for Organic Superfund Methods Data Review (USEPA, 2017).

Data qualifiers were assigned and laboratory report pages with qualifiers are attached. All data, including qualified data, are judged to be acceptable for their intended use.

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

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	94.8		1	12/07/2017 12:45	WG1050629

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0105	0.0527	1	12/04/2017 14:35	WG1049339
Acrylonitrile	U		0.00189	0.0105	1	12/04/2017 14:35	WG1049339
Benzene	U		0.000285	0.00105	1	12/04/2017 14:35	WG1049339
Bromobenzene	U		0.000300	0.00105	1	12/04/2017 14:35	WG1049339
Bromodichloromethane	U		0.000268	0.00105	1	12/04/2017 14:35	WG1049339
Bromochloromethane	U		0.000411	0.00527	1	12/04/2017 14:35	WG1049339
Bromoform	U		0.000447	0.00105	1	12/04/2017 14:35	WG1049339
Bromomethane	U		0.00141	0.00527	1	12/04/2017 14:35	WG1049339
n-Butylbenzene	U		0.000272	0.00105	1	12/04/2017 14:35	WG1049339
sec-Butylbenzene	U		0.000212	0.00105	1	12/04/2017 14:35	WG1049339
tert-Butylbenzene	U		0.000217	0.00105	1	12/04/2017 14:35	WG1049339
Carbon disulfide	U		0.000233	0.00105	1	12/04/2017 14:35	WG1049339
Carbon tetrachloride	U		0.000346	0.00105	1	12/04/2017 14:35	WG1049339
Chlorobenzene	U		0.000224	0.00105	1	12/04/2017 14:35	WG1049339
Chlorodibromomethane	U		0.000393	0.00105	1	12/04/2017 14:35	WG1049339
Chloroethane	U		0.000998	0.00527	1	12/04/2017 14:35	WG1049339
Chloroform	U		0.000242	0.00527	1	12/04/2017 14:35	WG1049339
Chloromethane	U		0.000396	0.00264	1	12/04/2017 14:35	WG1049339
2-Chlorotoluene	U		0.000318	0.00105	1	12/04/2017 14:35	WG1049339
4-Chlorotoluene	U		0.000253	0.00105	1	12/04/2017 14:35	WG1049339
1,2-Dibromo-3-Chloropropane	U		0.00111	0.00527	1	12/04/2017 14:35	WG1049339
1,2-Dibromoethane	U		0.000362	0.00105	1	12/04/2017 14:35	WG1049339
Dibromomethane	U		0.000403	0.00105	1	12/04/2017 14:35	WG1049339
1,2-Dichlorobenzene	U		0.000322	0.00105	1	12/04/2017 14:35	WG1049339
1,3-Dichlorobenzene	U		0.000252	0.00105	1	12/04/2017 14:35	WG1049339
1,4-Dichlorobenzene	U		0.000238	0.00105	1	12/04/2017 14:35	WG1049339
Dichlorodifluoromethane	U		0.000752	0.00527	1	12/04/2017 14:35	WG1049339
1,1-Dichloroethane	U		0.000210	0.00105	1	12/04/2017 14:35	WG1049339
1,2-Dichloroethane	U		0.000280	0.00105	1	12/04/2017 14:35	WG1049339
1,1-Dichloroethene	U		0.000320	0.00105	1	12/04/2017 14:35	WG1049339
cis-1,2-Dichloroethene	0.00376		0.000248	0.00105	1	12/04/2017 14:35	WG1049339
trans-1,2-Dichloroethene	U		0.000278	0.00105	1	12/04/2017 14:35	WG1049339
1,2-Dichloropropane	U		0.000378	0.00105	1	12/04/2017 14:35	WG1049339
1,1-Dichloropropene	U		0.000334	0.00105	1	12/04/2017 14:35	WG1049339
1,3-Dichloropropane	U		0.000218	0.00105	1	12/04/2017 14:35	WG1049339
cis-1,3-Dichloropropene	U		0.000276	0.00105	1	12/04/2017 14:35	WG1049339
trans-1,3-Dichloropropene	U		0.000282	0.00105	1	12/04/2017 14:35	WG1049339
trans-1,4-Dichloro-2-butene	U		0.000821	0.00264	1	12/04/2017 14:35	WG1049339
2,2-Dichloropropane	U		0.000294	0.00105	1	12/04/2017 14:35	WG1049339
Di-isopropyl ether	U		0.000262	0.00105	1	12/04/2017 14:35	WG1049339
Ethylbenzene	U		0.000313	0.00105	1	12/04/2017 14:35	WG1049339
Hexachloro-1,3-butadiene	U		0.000361	0.00105	1	12/04/2017 14:35	WG1049339
2-Hexanone	U		0.00145	0.0105	1	12/04/2017 14:35	WG1049339
n-Hexane	U		0.000306	0.0105	1	12/04/2017 14:35	WG1049339
Iodomethane	U		0.00267	0.0105	1	12/04/2017 14:35	WG1049339
Isopropylbenzene	U		0.000256	0.00105	1	12/04/2017 14:35	WG1049339
p-Isopropyltoluene	U		0.000215	0.00105	1	12/04/2017 14:35	WG1049339
2-Butanone (MEK)	U		0.00494	0.0105	1	12/04/2017 14:35	WG1049339
Methylene Chloride	U		0.00105	0.00527	1	12/04/2017 14:35	WG1049339
4-Methyl-2-pentanone (MIBK)	U		0.00198	0.0105	1	12/04/2017 14:35	WG1049339

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000224	0.00105	1	12/04/2017 14:35	WG1049339
Naphthalene	U		0.00105	0.00527	1	12/04/2017 14:35	WG1049339
n-Propylbenzene	U		0.000217	0.00105	1	12/04/2017 14:35	WG1049339
Styrene	U		0.000247	0.00105	1	12/04/2017 14:35	WG1049339
1,1,1,2-Tetrachloroethane	U		0.000278	0.00105	1	12/04/2017 14:35	WG1049339
1,1,2,2-Tetrachloroethane	U		0.000385	0.00105	1	12/04/2017 14:35	WG1049339
1,1,2-Trichlorotrifluoroethane	U		0.000385	0.00105	1	12/04/2017 14:35	WG1049339
Tetrachloroethene	0.0333		0.000291	0.00105	1	12/04/2017 14:35	WG1049339
Toluene	U		0.000458	0.00527	1	12/04/2017 14:35	WG1049339
1,2,3-Trichlorobenzene	U		0.000323	0.00105	1	12/04/2017 14:35	WG1049339
1,2,4-Trichlorobenzene	U		0.000409	0.00105	1	12/04/2017 14:35	WG1049339
1,1,1-Trichloroethane	U		0.000302	0.00105	1	12/04/2017 14:35	WG1049339
1,1,2-Trichloroethane	U		0.000292	0.00105	1	12/04/2017 14:35	WG1049339
Trichloroethene	0.00215		0.000294	0.00105	1	12/04/2017 14:35	WG1049339
Trichlorofluoromethane	U		0.000403	0.00527	1	12/04/2017 14:35	WG1049339
1,2,3-Trichloropropane	U		0.000782	0.00264	1	12/04/2017 14:35	WG1049339
1,2,4-Trimethylbenzene	U		0.000223	0.00105	1	12/04/2017 14:35	WG1049339
1,2,3-Trimethylbenzene	U		0.000303	0.00105	1	12/04/2017 14:35	WG1049339
1,3,5-Trimethylbenzene	U		0.000281	0.00105	1	12/04/2017 14:35	WG1049339
Vinyl acetate	U		0.00252	0.0105	1	12/04/2017 14:35	WG1049339
Vinyl chloride	U		0.000307	0.00105	1	12/04/2017 14:35	WG1049339
Xylenes, Total	U		0.000736	0.00316	1	12/04/2017 14:35	WG1049339
(S) Toluene-d8	*97.6*			*80.0-120*		*12/04/2017 14:35*	WG1049339
(S) Dibromofluoromethane	*104*			*74.0-131*		*12/04/2017 14:35*	WG1049339
(S) 4-Bromofluorobenzene	*95.6*			*64.0-132*		*12/04/2017 14:35*	WG1049339

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Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	91.5		1	12/07/2017 13:13	WG1050624

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.0239 J	J	0.0109	0.0546	1	12/04/2017 14:54	WG1049339
Acrylonitrile	U		0.00196	0.0109	1	12/04/2017 14:54	WG1049339
Benzene	0.000348 J	J	0.000295	0.00109	1	12/04/2017 14:54	WG1049339
Bromobenzene	U		0.000310	0.00109	1	12/04/2017 14:54	WG1049339
Bromodichloromethane	U		0.000277	0.00109	1	12/04/2017 14:54	WG1049339
Bromochloromethane	U		0.000426	0.00546	1	12/04/2017 14:54	WG1049339
Bromoform	U		0.000463	0.00109	1	12/04/2017 14:54	WG1049339
Bromomethane	U		0.00146	0.00546	1	12/04/2017 14:54	WG1049339
n-Butylbenzene	U		0.000282	0.00109	1	12/04/2017 14:54	WG1049339
sec-Butylbenzene	U		0.000220	0.00109	1	12/04/2017 14:54	WG1049339
tert-Butylbenzene	U		0.000225	0.00109	1	12/04/2017 14:54	WG1049339
Carbon disulfide	U		0.000241	0.00109	1	12/04/2017 14:54	WG1049339
Carbon tetrachloride	U		0.000358	0.00109	1	12/04/2017 14:54	WG1049339
Chlorobenzene	U		0.000232	0.00109	1	12/04/2017 14:54	WG1049339
Chlorodibromomethane	U		0.000407	0.00109	1	12/04/2017 14:54	WG1049339
Chloroethane	U		0.00103	0.00546	1	12/04/2017 14:54	WG1049339
Chloroform	U		0.000250	0.00546	1	12/04/2017 14:54	WG1049339
Chloromethane	U		0.000410	0.00273	1	12/04/2017 14:54	WG1049339
2-Chlorotoluene	U		0.000329	0.00109	1	12/04/2017 14:54	WG1049339
4-Chlorotoluene	U		0.000262	0.00109	1	12/04/2017 14:54	WG1049339
1,2-Dibromo-3-Chloropropane	U		0.00115	0.00546	1	12/04/2017 14:54	WG1049339
1,2-Dibromoethane	U		0.000375	0.00109	1	12/04/2017 14:54	WG1049339
Dibromomethane	U		0.000417	0.00109	1	12/04/2017 14:54	WG1049339
1,2-Dichlorobenzene	U		0.000333	0.00109	1	12/04/2017 14:54	WG1049339
1,3-Dichlorobenzene	U		0.000261	0.00109	1	12/04/2017 14:54	WG1049339
1,4-Dichlorobenzene	U		0.000247	0.00109	1	12/04/2017 14:54	WG1049339
Dichlorodifluoromethane	U		0.000779	0.00546	1	12/04/2017 14:54	WG1049339
1,1-Dichloroethane	U		0.000217	0.00109	1	12/04/2017 14:54	WG1049339
1,2-Dichloroethane	U		0.000289	0.00109	1	12/04/2017 14:54	WG1049339
1,1-Dichloroethene	U		0.000331	0.00109	1	12/04/2017 14:54	WG1049339
cis-1,2-Dichloroethene	0.00634		0.000257	0.00109	1	12/04/2017 14:54	WG1049339
trans-1,2-Dichloroethene	U		0.000288	0.00109	1	12/04/2017 14:54	WG1049339
1,2-Dichloropropane	U		0.000391	0.00109	1	12/04/2017 14:54	WG1049339
1,1-Dichloropropene	U		0.000346	0.00109	1	12/04/2017 14:54	WG1049339
1,3-Dichloropropane	U		0.000226	0.00109	1	12/04/2017 14:54	WG1049339
cis-1,3-Dichloropropene	U		0.000286	0.00109	1	12/04/2017 14:54	WG1049339
trans-1,3-Dichloropropene	U		0.000292	0.00109	1	12/04/2017 14:54	WG1049339
trans-1,4-Dichloro-2-butene	U		0.000850	0.00273	1	12/04/2017 14:54	WG1049339
2,2-Dichloropropane	U		0.000305	0.00109	1	12/04/2017 14:54	WG1049339
Di-isopropyl ether	U		0.000271	0.00109	1	12/04/2017 14:54	WG1049339
Ethylbenzene	U		0.000324	0.00109	1	12/04/2017 14:54	WG1049339
Hexachloro-1,3-butadiene	U		0.000374	0.00109	1	12/04/2017 14:54	WG1049339
2-Hexanone	U		0.00150	0.0109	1	12/04/2017 14:54	WG1049339
n-Hexane	U		0.000317	0.0109	1	12/04/2017 14:54	WG1049339
Iodomethane	U		0.00276	0.0109	1	12/04/2017 14:54	WG1049339
Isopropylbenzene	U		0.000265	0.00109	1	12/04/2017 14:54	WG1049339
p-Isopropyltoluene	U		0.000223	0.00109	1	12/04/2017 14:54	WG1049339
2-Butanone (MEK)	0.00714 J	J	0.00511	0.0109	1	12/04/2017 14:54	WG1049339
Methylene Chloride	U		0.00109	0.00546	1	12/04/2017 14:54	WG1049339
4-Methyl-2-pentanone (MIBK)	U		0.00205	0.0109	1	12/04/2017 14:54	WG1049339

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000232	0.00109	1	12/04/2017 14:54	WG1049339
Naphthalene	U		0.00109	0.00546	1	12/04/2017 14:54	WG1049339
n-Propylbenzene	U		0.000225	0.00109	1	12/04/2017 14:54	WG1049339
Styrene	U		0.000256	0.00109	1	12/04/2017 14:54	WG1049339
1,1,1,2-Tetrachloroethane	U		0.000288	0.00109	1	12/04/2017 14:54	WG1049339
1,1,2,2-Tetrachloroethane	U		0.000399	0.00109	1	12/04/2017 14:54	WG1049339
1,1,2-Trichlorotrifluoroethane	U		0.000399	0.00109	1	12/04/2017 14:54	WG1049339
Tetrachloroethene	0.00442		0.000301	0.00109	1	12/04/2017 14:54	WG1049339
Toluene	U		0.000474	0.00546	1	12/04/2017 14:54	WG1049339
1,2,3-Trichlorobenzene	U		0.000334	0.00109	1	12/04/2017 14:54	WG1049339
1,2,4-Trichlorobenzene	U		0.000424	0.00109	1	12/04/2017 14:54	WG1049339
1,1,1-Trichloroethane	U		0.000312	0.00109	1	12/04/2017 14:54	WG1049339
1,1,2-Trichloroethane	U		0.000303	0.00109	1	12/04/2017 14:54	WG1049339
Trichloroethene	0.000709 J	J	0.000305	0.00109	1	12/04/2017 14:54	WG1049339
Trichlorofluoromethane	U		0.000417	0.00546	1	12/04/2017 14:54	WG1049339
1,2,3-Trichloropropane	U		0.000809	0.00273	1	12/04/2017 14:54	WG1049339
1,2,4-Trimethylbenzene	U		0.000230	0.00109	1	12/04/2017 14:54	WG1049339
1,2,3-Trimethylbenzene	U		0.000313	0.00109	1	12/04/2017 14:54	WG1049339
1,3,5-Trimethylbenzene	U		0.000291	0.00109	1	12/04/2017 14:54	WG1049339
Vinyl acetate	U		0.00261	0.0109	1	12/04/2017 14:54	WG1049339
Vinyl chloride	0.00225		0.000318	0.00109	1	12/04/2017 14:54	WG1049339
Xylenes, Total	U		0.000762	0.00328	1	12/04/2017 14:54	WG1049339
(S) Toluene-d8	*99.9*			*80.0-120*		*12/04/2017 14:54*	WG1049339
(S) Dibromofluoromethane	*101*			*74.0-131*		*12/04/2017 14:54*	WG1049339
(S) 4-Bromofluorobenzene	*97.4*			*64.0-132*		*12/04/2017 14:54*	WG1049339

JC 12/20/17

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	89.8		1	12/07/2017 12:45	WG1050629

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		2.78	13.9	250	12/04/2017 17:30	WG1049339
Acrylonitrile	U		0.499	2.78	250	12/04/2017 17:30	WG1049339
Benzene	U		0.0751	0.278	250	12/04/2017 17:30	WG1049339
Bromobenzene	U		0.0790	0.278	250	12/04/2017 17:30	WG1049339
Bromodichloromethane	U		0.0707	0.278	250	12/04/2017 17:30	WG1049339
Bromochloromethane	U		0.109	1.39	250	12/04/2017 17:30	WG1049339
Bromoform	U		0.118	0.278	250	12/04/2017 17:30	WG1049339
Bromomethane	U		0.373	1.39	250	12/04/2017 17:30	WG1049339
n-Butylbenzene	U		0.0718	0.278	250	12/04/2017 17:30	WG1049339
sec-Butylbenzene	U		0.0559	0.278	250	12/04/2017 17:30	WG1049339
tert-Butylbenzene	U		0.0573	0.278	250	12/04/2017 17:30	WG1049339
Carbon disulfide	U		0.0614	0.278	250	12/04/2017 17:30	WG1049339
Carbon tetrachloride	U		0.0913	0.278	250	12/04/2017 17:30	WG1049339
Chlorobenzene	U		0.0590	0.278	250	12/04/2017 17:30	WG1049339
Chlorodibromomethane	U		0.104	0.278	250	12/04/2017 17:30	WG1049339
Chloroethane	U		0.263	1.39	250	12/04/2017 17:30	WG1049339
Chloroform	U		0.0637	1.39	250	12/04/2017 17:30	WG1049339
Chloromethane	U		0.104	0.696	250	12/04/2017 17:30	WG1049339
2-Chlorotoluene	U		0.0837	0.278	250	12/04/2017 17:30	WG1049339
4-Chlorotoluene	U		0.0668	0.278	250	12/04/2017 17:30	WG1049339
1,2-Dibromo-3-Chloropropane	U		0.292	1.39	250	12/04/2017 17:30	WG1049339
1,2-Dibromoethane	U		0.0955	0.278	250	12/04/2017 17:30	WG1049339
Dibromomethane	U		0.106	0.278	250	12/04/2017 17:30	WG1049339
1,2-Dichlorobenzene	U		0.0848	0.278	250	12/04/2017 17:30	WG1049339
1,3-Dichlorobenzene	U		0.0666	0.278	250	12/04/2017 17:30	WG1049339
1,4-Dichlorobenzene	U		0.0629	0.278	250	12/04/2017 17:30	WG1049339
Dichlorodifluoromethane	U		0.198	1.39	250	12/04/2017 17:30	WG1049339
1,1-Dichloroethane	U		0.0554	0.278	250	12/04/2017 17:30	WG1049339
1,2-Dichloroethane	U		0.0737	0.278	250	12/04/2017 17:30	WG1049339
1,1-Dichloroethene	U		0.0844	0.278	250	12/04/2017 17:30	WG1049339
cis-1,2-Dichloroethene	10.4		0.0654	0.278	250	12/04/2017 17:30	WG1049339
trans-1,2-Dichloroethene	U		0.0735	0.278	250	12/04/2017 17:30	WG1049339
1,2-Dichloropropane	U		0.0996	0.278	250	12/04/2017 17:30	WG1049339
1,1-Dichloropropene	U		0.0882	0.278	250	12/04/2017 17:30	WG1049339
1,3-Dichloropropane	U		0.0577	0.278	250	12/04/2017 17:30	WG1049339
cis-1,3-Dichloropropene	U		0.0729	0.278	250	12/04/2017 17:30	WG1049339
trans-1,3-Dichloropropene	U		0.0744	0.278	250	12/04/2017 17:30	WG1049339
trans-1,4-Dichloro-2-butene	U		0.216	0.696	250	12/04/2017 17:30	WG1049339
2,2-Dichloropropane	U		0.0777	0.278	250	12/04/2017 17:30	WG1049339
Di-isopropyl ether	U		0.0690	0.278	250	12/04/2017 17:30	WG1049339
Ethylbenzene	U		0.0826	0.278	250	12/04/2017 17:30	WG1049339
Hexachloro-1,3-butadiene	U		0.0952	0.278	250	12/04/2017 17:30	WG1049339
2-Hexanone	U		0.381	2.78	250	12/04/2017 17:30	WG1049339
n-Hexane	U		0.0807	2.78	250	12/04/2017 17:30	WG1049339
Iodomethane	U		0.703	2.78	250	12/04/2017 17:30	WG1049339
Isopropylbenzene	U		0.0677	0.278	250	12/04/2017 17:30	WG1049339
p-Isopropyltoluene	U		0.0568	0.278	250	12/04/2017 17:30	WG1049339
2-Butanone (MEK)	U		1.30	2.78	250	12/04/2017 17:30	WG1049339
Methylene Chloride	U		0.278	1.39	250	12/04/2017 17:30	WG1049339
4-Methyl-2-pentanone (MIBK)	U		0.523	2.78	250	12/04/2017 17:30	WG1049339

JC 12/20/17

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

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.0590	0.278	250	12/04/2017 17:30	WG1049339
Naphthalene	U		0.278	1.39	250	12/04/2017 17:30	WG1049339
n-Propylbenzene	U		0.0573	0.278	250	12/04/2017 17:30	WG1049339
Styrene	U		0.0651	0.278	250	12/04/2017 17:30	WG1049339
1,1,1,2-Tetrachloroethane	U		0.0735	0.278	250	12/04/2017 17:30	WG1049339
1,1,2,2-Tetrachloroethane	U		0.102	0.278	250	12/04/2017 17:30	WG1049339
1,1,2-Trichlorotrifluoroethane	U		0.102	0.278	250	12/04/2017 17:30	WG1049339
Tetrachloroethene	1100		7.68	27.8	25000	12/06/2017 20:09	WG1049339
Toluene	U		0.120	1.39	250	12/04/2017 17:30	WG1049339
1,2,3-Trichlorobenzene	U		0.0851	0.278	250	12/04/2017 17:30	WG1049339
1,2,4-Trichlorobenzene	U		0.108	0.278	250	12/04/2017 17:30	WG1049339
1,1,1-Trichloroethane	U		0.0796	0.278	250	12/04/2017 17:30	WG1049339
1,1,2-Trichloroethane	U		0.0770	0.278	250	12/04/2017 17:30	WG1049339
Trichloroethene	9.17		0.0777	0.278	250	12/04/2017 17:30	WG1049339
Trichlorofluoromethane	U		0.106	1.39	250	12/04/2017 17:30	WG1049339
1,2,3-Trichloropropane	U		0.206	0.696	250	12/04/2017 17:30	WG1049339
1,2,4-Trimethylbenzene	0.0621 J	J	0.0588	0.278	250	12/04/2017 17:30	WG1049339
1,2,3-Trimethylbenzene	U		0.0799	0.278	250	12/04/2017 17:30	WG1049339
1,3,5-Trimethylbenzene	U		0.0740	0.278	250	12/04/2017 17:30	WG1049339
Vinyl acetate	U		0.666	2.78	250	12/04/2017 17:30	WG1049339
Vinyl chloride	U		0.0810	0.278	250	12/04/2017 17:30	WG1049339
Xylenes, Total	U		0.194	0.835	250	12/04/2017 17:30	WG1049339
(S) Toluene-d8	*103*			*80.0-120*		*12/04/2017 17:30*	WG1049339
(S) Toluene-d8	*104*			*80.0-120*		*12/06/2017 20:09*	WG1049339
(S) Dibromofluoromethane	*96.7*			*74.0-131*		*12/04/2017 17:30*	WG1049339
(S) Dibromofluoromethane	*96.6*			*74.0-131*		*12/06/2017 20:09*	WG1049339
(S) 4-Bromofluorobenzene	*92.2*			*64.0-132*		*12/04/2017 17:30*	WG1049339
(S) 4-Bromofluorobenzene	*88.1*			*64.0-132*		*12/06/2017 20:09*	WG1049339

Sample Narrative:

L954694-03 WG1049339: Cannot be analyzed at a lower dilution due to high levels of target analytes.

JC 12/20/17

B-230-21

Collected date/time: 11/30/17 09:10

SAMPLE RESULTS - 04

L954694

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

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	83.8		1	12/07/2017 12:45	WG1050629

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		23.9	119	2000	12/04/2017 18:48	WG1049339
Acrylonitrile	U		4.27	23.9	2000	12/04/2017 18:48	WG1049339
Benzene	U		0.645	2.39	2000	12/04/2017 18:48	WG1049339
Bromobenzene	U		0.678	2.39	2000	12/04/2017 18:48	WG1049339
Bromodichloromethane	U		0.607	2.39	2000	12/04/2017 18:48	WG1049339
Bromochloromethane	U		0.931	11.9	2000	12/04/2017 18:48	WG1049339
Bromoform	U		1.01	2.39	2000	12/04/2017 18:48	WG1049339
Bromomethane	U		3.20	11.9	2000	12/04/2017 18:48	WG1049339
n-Butylbenzene	U		0.616	2.39	2000	12/04/2017 18:48	WG1049339
sec-Butylbenzene	U		0.480	2.39	2000	12/04/2017 18:48	WG1049339
tert-Butylbenzene	U		0.492	2.39	2000	12/04/2017 18:48	WG1049339
Carbon disulfide	U		0.528	2.39	2000	12/04/2017 18:48	WG1049339
Carbon tetrachloride	U		0.783	2.39	2000	12/04/2017 18:48	WG1049339
Chlorobenzene	U		0.506	2.39	2000	12/04/2017 18:48	WG1049339
Chlorodibromomethane	U		0.891	2.39	2000	12/04/2017 18:48	WG1049339
Chloroethane	U		2.26	11.9	2000	12/04/2017 18:48	WG1049339
Chloroform	U		0.547	11.9	2000	12/04/2017 18:48	WG1049339
Chloromethane	U		0.895	5.97	2000	12/04/2017 18:48	WG1049339
2-Chlorotoluene	U		0.719	2.39	2000	12/04/2017 18:48	WG1049339
4-Chlorotoluene	U		0.573	2.39	2000	12/04/2017 18:48	WG1049339
1,2-Dibromo-3-Chloropropane	U		2.51	11.9	2000	12/04/2017 18:48	WG1049339
1,2-Dibromoethane	U		0.819	2.39	2000	12/04/2017 18:48	WG1049339
Dibromomethane	U		0.912	2.39	2000	12/04/2017 18:48	WG1049339
1,2-Dichlorobenzene	U		0.728	2.39	2000	12/04/2017 18:48	WG1049339
1,3-Dichlorobenzene	U		0.571	2.39	2000	12/04/2017 18:48	WG1049339
1,4-Dichlorobenzene	U		0.540	2.39	2000	12/04/2017 18:48	WG1049339
Dichlorodifluoromethane	U		1.71	11.9	2000	12/04/2017 18:48	WG1049339
1,1-Dichloroethane	U		0.475	2.39	2000	12/04/2017 18:48	WG1049339
1,2-Dichloroethane	U		0.633	2.39	2000	12/04/2017 18:48	WG1049339
1,1-Dichloroethene	U		0.724	2.39	2000	12/04/2017 18:48	WG1049339
cis-1,2-Dichloroethene	2.71	J	0.561	2.39	2000	12/04/2017 18:48	WG1049339
trans-1,2-Dichloroethene	U		0.630	2.39	2000	12/04/2017 18:48	WG1049339
1,2-Dichloropropane	U		0.855	2.39	2000	12/04/2017 18:48	WG1049339
1,1-Dichloropropene	U		0.757	2.39	2000	12/04/2017 18:48	WG1049339
1,3-Dichloropropane	U		0.494	2.39	2000	12/04/2017 18:48	WG1049339
cis-1,3-Dichloropropene	U		0.626	2.39	2000	12/04/2017 18:48	WG1049339
trans-1,3-Dichloropropene	U		0.638	2.39	2000	12/04/2017 18:48	WG1049339
trans-1,4-Dichloro-2-butene	U		1.86	5.97	2000	12/04/2017 18:48	WG1049339
2,2-Dichloropropane	U		0.666	2.39	2000	12/04/2017 18:48	WG1049339
Di-isopropyl ether	U		0.592	2.39	2000	12/04/2017 18:48	WG1049339
Ethylbenzene	U		0.709	2.39	2000	12/04/2017 18:48	WG1049339
Hexachloro-1,3-butadiene	U		0.817	2.39	2000	12/04/2017 18:48	WG1049339
2-Hexanone	U		3.27	23.9	2000	12/04/2017 18:48	WG1049339
n-Hexane	U		0.692	23.9	2000	12/04/2017 18:48	WG1049339
Iodomethane	U		6.04	23.9	2000	12/04/2017 18:48	WG1049339
Isopropylbenzene	U		0.580	2.39	2000	12/04/2017 18:48	WG1049339
p-Isopropyltoluene	U		0.487	2.39	2000	12/04/2017 18:48	WG1049339
2-Butanone (MEK)	U		11.2	23.9	2000	12/04/2017 18:48	WG1049339
Methylene Chloride	U		2.39	11.9	2000	12/04/2017 18:48	WG1049339
4-Methyl-2-pentanone (MIBK)	U		4.49	23.9	2000	12/04/2017 18:48	WG1049339

JC 12/20/17

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.506	2.39	2000	12/04/2017 18:48	WG1049339
Naphthalene	U		2.39	11.9	2000	12/04/2017 18:48	WG1049339
n-Propylbenzene	U		0.492	2.39	2000	12/04/2017 18:48	WG1049339
Styrene	U		0.559	2.39	2000	12/04/2017 18:48	WG1049339
1,1,1,2-Tetrachloroethane	U		0.630	2.39	2000	12/04/2017 18:48	WG1049339
1,1,2,2-Tetrachloroethane	U		0.872	2.39	2000	12/04/2017 18:48	WG1049339
1,1,2-Trichlorotrifluoroethane	U		0.872	2.39	2000	12/04/2017 18:48	WG1049339
Tetrachloroethene	2820	J	33.0	119	100000	12/06/2017 20:28	WG1049339
Toluene	U		1.04	11.9	2000	12/04/2017 18:48	WG1049339
1,2,3-Trichlorobenzene	U		0.731	2.39	2000	12/04/2017 18:48	WG1049339
1,2,4-Trichlorobenzene	U		0.926	2.39	2000	12/04/2017 18:48	WG1049339
1,1,1-Trichloroethane	U		0.683	2.39	2000	12/04/2017 18:48	WG1049339
1,1,2-Trichloroethane	U		0.661	2.39	2000	12/04/2017 18:48	WG1049339
Trichloroethene	4.43	J	0.666	2.39	2000	12/04/2017 18:48	WG1049339
Trichlorofluoromethane	U		0.912	11.9	2000	12/04/2017 18:48	WG1049339
1,2,3-Trichloropropane	U		1.77	5.97	2000	12/04/2017 18:48	WG1049339
1,2,4-Trimethylbenzene	U		0.504	2.39	2000	12/04/2017 18:48	WG1049339
1,2,3-Trimethylbenzene	U		0.685	2.39	2000	12/04/2017 18:48	WG1049339
1,3,5-Trimethylbenzene	U		0.635	2.39	2000	12/04/2017 18:48	WG1049339
Vinyl acetate	U		5.71	23.9	2000	12/04/2017 18:48	WG1049339
Vinyl chloride	U		0.695	2.39	2000	12/04/2017 18:48	WG1049339
Xylenes, Total	U		1.67	7.16	2000	12/04/2017 18:48	WG1049339
(S) Toluene-d8	*101*			*80.0-120*		*12/04/2017 18:48*	WG1049339
(S) Toluene-d8	*106*			*80.0-120*		*12/06/2017 20:28*	WG1049339
(S) Dibromofluoromethane	*98.8*			*74.0-131*		*12/04/2017 18:48*	WG1049339
(S) Dibromofluoromethane	*96.1*			*74.0-131*		*12/06/2017 20:28*	WG1049339
(S) 4-Bromofluorobenzene	*90.4*			*64.0-132*		*12/04/2017 18:48*	WG1049339
(S) 4-Bromofluorobenzene	*87.5*			*64.0-132*		*12/06/2017 20:28*	WG1049339

Sample Narrative:

L954694-04 WG1049339: Cannot be analyzed at a lower dilution due to high levels of target analytes.

JC 12/20/17

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	83.4		1	12/07/2017 13:13	WG1050624

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		30.0	150	2500	12/04/2017 19:08	WG1049339
Acrylonitrile	U		5.37	30.0	2500	12/04/2017 19:08	WG1049339
Benzene	U		0.809	3.00	2500	12/04/2017 19:08	WG1049339
Bromobenzene	U		0.851	3.00	2500	12/04/2017 19:08	WG1049339
Bromodichloromethane	U		0.761	3.00	2500	12/04/2017 19:08	WG1049339
Bromochloromethane	U		1.17	15.0	2500	12/04/2017 19:08	WG1049339
Bromoform	U		1.27	3.00	2500	12/04/2017 19:08	WG1049339
Bromomethane	U		4.01	15.0	2500	12/04/2017 19:08	WG1049339
n-Butylbenzene	U		0.773	3.00	2500	12/04/2017 19:08	WG1049339
sec-Butylbenzene	U		0.602	3.00	2500	12/04/2017 19:08	WG1049339
tert-Butylbenzene	U		0.617	3.00	2500	12/04/2017 19:08	WG1049339
Carbon disulfide	U		0.662	3.00	2500	12/04/2017 19:08	WG1049339
Carbon tetrachloride	U		0.983	3.00	2500	12/04/2017 19:08	WG1049339
Chlorobenzene	U		0.635	3.00	2500	12/04/2017 19:08	WG1049339
Chlorodibromomethane	U		1.12	3.00	2500	12/04/2017 19:08	WG1049339
Chloroethane	U		2.83	15.0	2500	12/04/2017 19:08	WG1049339
Chloroform	U		0.685	15.0	2500	12/04/2017 19:08	WG1049339
Chloromethane	U		1.12	7.49	2500	12/04/2017 19:08	WG1049339
2-Chlorotoluene	U		0.901	3.00	2500	12/04/2017 19:08	WG1049339
4-Chlorotoluene	U		0.719	3.00	2500	12/04/2017 19:08	WG1049339
1,2-Dibromo-3-Chloropropane	U		3.14	15.0	2500	12/04/2017 19:08	WG1049339
1,2-Dibromoethane	U		1.03	3.00	2500	12/04/2017 19:08	WG1049339
Dibromomethane	U		1.14	3.00	2500	12/04/2017 19:08	WG1049339
1,2-Dichlorobenzene	U		0.913	3.00	2500	12/04/2017 19:08	WG1049339
1,3-Dichlorobenzene	U		0.717	3.00	2500	12/04/2017 19:08	WG1049339
1,4-Dichlorobenzene	U		0.677	3.00	2500	12/04/2017 19:08	WG1049339
Dichlorodifluoromethane	U		2.13	15.0	2500	12/04/2017 19:08	WG1049339
1,1-Dichloroethane	U		0.597	3.00	2500	12/04/2017 19:08	WG1049339
1,2-Dichloroethane	U		0.793	3.00	2500	12/04/2017 19:08	WG1049339
1,1-Dichloroethene	U		0.908	3.00	2500	12/04/2017 19:08	WG1049339
cis-1,2-Dichloroethene	U		0.705	3.00	2500	12/04/2017 19:08	WG1049339
trans-1,2-Dichloroethene	U		0.791	3.00	2500	12/04/2017 19:08	WG1049339
1,2-Dichloropropane	U		1.07	3.00	2500	12/04/2017 19:08	WG1049339
1,1-Dichloropropene	U		0.949	3.00	2500	12/04/2017 19:08	WG1049339
1,3-Dichloropropane	U		0.621	3.00	2500	12/04/2017 19:08	WG1049339
cis-1,3-Dichloropropene	U		0.785	3.00	2500	12/04/2017 19:08	WG1049339
trans-1,3-Dichloropropene	U		0.801	3.00	2500	12/04/2017 19:08	WG1049339
trans-1,4-Dichloro-2-butene	U		2.32	7.49	2500	12/04/2017 19:08	WG1049339
2,2-Dichloropropane	U		0.836	3.00	2500	12/04/2017 19:08	WG1049339
Di-isopropyl ether	U		0.743	3.00	2500	12/04/2017 19:08	WG1049339
Ethylbenzene	U		0.889	3.00	2500	12/04/2017 19:08	WG1049339
Hexachloro-1,3-butadiene	U		1.02	3.00	2500	12/04/2017 19:08	WG1049339
2-Hexanone	U		4.10	30.0	2500	12/04/2017 19:08	WG1049339
n-Hexane	U		0.869	30.0	2500	12/04/2017 19:08	WG1049339
Iodomethane	U		7.57	30.0	2500	12/04/2017 19:08	WG1049339
Isopropylbenzene	U		0.729	3.00	2500	12/04/2017 19:08	WG1049339
p-Isopropyltoluene	U		0.611	3.00	2500	12/04/2017 19:08	WG1049339
2-Butanone (MEK)	U		14.0	30.0	2500	12/04/2017 19:08	WG1049339
Methylene Chloride	U		3.00	15.0	2500	12/04/2017 19:08	WG1049339
4-Methyl-2-pentanone (MIBK)	U		5.63	30.0	2500	12/04/2017 19:08	WG1049339

JC 12/20/17

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.635	3.00	2500	12/04/2017 19:08	WG1049339
Naphthalene	U		3.00	15.0	2500	12/04/2017 19:08	WG1049339
n-Propylbenzene	U		0.617	3.00	2500	12/04/2017 19:08	WG1049339
Styrene	U		0.701	3.00	2500	12/04/2017 19:08	WG1049339
1,1,1,2-Tetrachloroethane	U		0.791	3.00	2500	12/04/2017 19:08	WG1049339
1,1,2,2-Tetrachloroethane	U		1.09	3.00	2500	12/04/2017 19:08	WG1049339
1,1,2-Trichlorotrifluoroethane	U		1.09	3.00	2500	12/04/2017 19:08	WG1049339
Tetrachloroethene	607		6.62	24.0	20000	12/06/2017 19:49	WG1049339
Toluene	U		1.29	15.0	2500	12/04/2017 19:08	WG1049339
1,2,3-Trichlorobenzene	U		0.917	3.00	2500	12/04/2017 19:08	WG1049339
1,2,4-Trichlorobenzene	U		1.16	3.00	2500	12/04/2017 19:08	WG1049339
1,1,1-Trichloroethane	U		0.857	3.00	2500	12/04/2017 19:08	WG1049339
1,1,2-Trichloroethane	U		0.829	3.00	2500	12/04/2017 19:08	WG1049339
Trichloroethene	U		0.836	3.00	2500	12/04/2017 19:08	WG1049339
Trichlorofluoromethane	U		1.14	15.0	2500	12/04/2017 19:08	WG1049339
1,2,3-Trichloropropane	U		2.22	7.49	2500	12/04/2017 19:08	WG1049339
1,2,4-Trimethylbenzene	U		0.633	3.00	2500	12/04/2017 19:08	WG1049339
1,2,3-Trimethylbenzene	U		0.860	3.00	2500	12/04/2017 19:08	WG1049339
1,3,5-Trimethylbenzene	U		0.797	3.00	2500	12/04/2017 19:08	WG1049339
Vinyl acetate	U		7.17	30.0	2500	12/04/2017 19:08	WG1049339
Vinyl chloride	U		0.872	3.00	2500	12/04/2017 19:08	WG1049339
Xylenes, Total	U		2.09	8.99	2500	12/04/2017 19:08	WG1049339
(S) Toluene-d8	*110*			*80.0-120*		*12/04/2017 19:08*	WG1049339
(S) Toluene-d8	*102*			*80.0-120*		*12/06/2017 19:49*	WG1049339
(S) Dibromofluoromethane	*100*			*74.0-131*		*12/06/2017 19:49*	WG1049339
(S) Dibromofluoromethane	*101*			*74.0-131*		*12/04/2017 19:08*	WG1049339
(S) 4-Bromofluorobenzene	*91.3*			*64.0-132*		*12/06/2017 19:49*	WG1049339
(S) 4-Bromofluorobenzene	*94.1*			*64.0-132*		*12/04/2017 19:08*	WG1049339

Sample Narrative:

L954694-05 WG1049339: Cannot be analyzed at a lower dilution due to high levels of target analytes.

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

JC 12/20/17

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	80.4		1	12/07/2017 13:01	WG1050628

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		12.4	62.2	1000	12/04/2017 18:09	WG1049339
Acrylonitrile	U		2.23	12.4	1000	12/04/2017 18:09	WG1049339
Benzene	U		0.336	1.24	1000	12/04/2017 18:09	WG1049339
Bromobenzene	U		0.353	1.24	1000	12/04/2017 18:09	WG1049339
Bromodichloromethane	U		0.316	1.24	1000	12/04/2017 18:09	WG1049339
Bromochloromethane	U		0.485	6.22	1000	12/04/2017 18:09	WG1049339
Bromoform	U		0.527	1.24	1000	12/04/2017 18:09	WG1049339
Bromomethane	U		1.67	6.22	1000	12/04/2017 18:09	WG1049339
n-Butylbenzene	U		0.321	1.24	1000	12/04/2017 18:09	WG1049339
sec-Butylbenzene	U		0.250	1.24	1000	12/04/2017 18:09	WG1049339
tert-Butylbenzene	U		0.256	1.24	1000	12/04/2017 18:09	WG1049339
Carbon disulfide	U		0.275	1.24	1000	12/04/2017 18:09	WG1049339
Carbon tetrachloride	U		0.408	1.24	1000	12/04/2017 18:09	WG1049339
Chlorobenzene	U		0.264	1.24	1000	12/04/2017 18:09	WG1049339
Chlorodibromomethane	U		0.464	1.24	1000	12/04/2017 18:09	WG1049339
Chloroethane	U		1.18	6.22	1000	12/04/2017 18:09	WG1049339
Chloroform	U		0.285	6.22	1000	12/04/2017 18:09	WG1049339
Chloromethane	U		0.466	3.11	1000	12/04/2017 18:09	WG1049339
2-Chlorotoluene	U		0.374	1.24	1000	12/04/2017 18:09	WG1049339
4-Chlorotoluene	U		0.299	1.24	1000	12/04/2017 18:09	WG1049339
1,2-Dibromo-3-Chloropropane	U		1.31	6.22	1000	12/04/2017 18:09	WG1049339
1,2-Dibromoethane	U		0.427	1.24	1000	12/04/2017 18:09	WG1049339
Dibromomethane	U		0.475	1.24	1000	12/04/2017 18:09	WG1049339
1,2-Dichlorobenzene	U		0.379	1.24	1000	12/04/2017 18:09	WG1049339
1,3-Dichlorobenzene	U		0.297	1.24	1000	12/04/2017 18:09	WG1049339
1,4-Dichlorobenzene	U		0.281	1.24	1000	12/04/2017 18:09	WG1049339
Dichlorodifluoromethane	U		0.887	6.22	1000	12/04/2017 18:09	WG1049339
1,1-Dichloroethane	U		0.248	1.24	1000	12/04/2017 18:09	WG1049339
1,2-Dichloroethane	U		0.330	1.24	1000	12/04/2017 18:09	WG1049339
1,1-Dichloroethene	U		0.377	1.24	1000	12/04/2017 18:09	WG1049339
cis-1,2-Dichloroethene	1.82		0.292	1.24	1000	12/04/2017 18:09	WG1049339
trans-1,2-Dichloroethene	U		0.328	1.24	1000	12/04/2017 18:09	WG1049339
1,2-Dichloropropane	U		0.445	1.24	1000	12/04/2017 18:09	WG1049339
1,1-Dichloropropene	U		0.394	1.24	1000	12/04/2017 18:09	WG1049339
1,3-Dichloropropane	U		0.257	1.24	1000	12/04/2017 18:09	WG1049339
cis-1,3-Dichloropropene	U		0.326	1.24	1000	12/04/2017 18:09	WG1049339
trans-1,3-Dichloropropene	U		0.332	1.24	1000	12/04/2017 18:09	WG1049339
trans-1,4-Dichloro-2-butene	U		0.968	3.11	1000	12/04/2017 18:09	WG1049339
2,2-Dichloropropane	U		0.347	1.24	1000	12/04/2017 18:09	WG1049339
Di-isopropyl ether	U		0.308	1.24	1000	12/04/2017 18:09	WG1049339
Ethylbenzene	U		0.369	1.24	1000	12/04/2017 18:09	WG1049339
Hexachloro-1,3-butadiene	U		0.425	1.24	1000	12/04/2017 18:09	WG1049339
2-Hexanone	U		1.70	12.4	1000	12/04/2017 18:09	WG1049339
n-Hexane	U		0.361	12.4	1000	12/04/2017 18:09	WG1049339
Iodomethane	U		3.15	12.4	1000	12/04/2017 18:09	WG1049339
Isopropylbenzene	U		0.302	1.24	1000	12/04/2017 18:09	WG1049339
p-Isopropyltoluene	U		0.254	1.24	1000	12/04/2017 18:09	WG1049339
2-Butanone (MEK)	U		5.82	12.4	1000	12/04/2017 18:09	WG1049339
Methylene Chloride	U		1.24	6.22	1000	12/04/2017 18:09	WG1049339
4-Methyl-2-pentanone (MIBK)	U		2.34	12.4	1000	12/04/2017 18:09	WG1049339

JC 12/20/17

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.264	1.24	1000	12/04/2017 18:09	WG1049339
Naphthalene	U		1.24	6.22	1000	12/04/2017 18:09	WG1049339
n-Propylbenzene	U		0.256	1.24	1000	12/04/2017 18:09	WG1049339
Styrene	U		0.291	1.24	1000	12/04/2017 18:09	WG1049339
1,1,1,2-Tetrachloroethane	U		0.328	1.24	1000	12/04/2017 18:09	WG1049339
1,1,2,2-Tetrachloroethane	U		0.454	1.24	1000	12/04/2017 18:09	WG1049339
1,1,2-Trichlorotrifluoroethane	U		0.454	1.24	1000	12/04/2017 18:09	WG1049339
Tetrachloroethene	105		0.343	1.24	1000	12/04/2017 18:09	WG1049339
Toluene	U		0.540	6.22	1000	12/04/2017 18:09	WG1049339
1,2,3-Trichlorobenzene	U		0.381	1.24	1000	12/04/2017 18:09	WG1049339
1,2,4-Trichlorobenzene	U		0.483	1.24	1000	12/04/2017 18:09	WG1049339
1,1,1-Trichloroethane	U		0.356	1.24	1000	12/04/2017 18:09	WG1049339
1,1,2-Trichloroethane	U		0.345	1.24	1000	12/04/2017 18:09	WG1049339
Trichloroethene	0.603 J	J	0.347	1.24	1000	12/04/2017 18:09	WG1049339
Trichlorofluoromethane	U		0.475	6.22	1000	12/04/2017 18:09	WG1049339
1,2,3-Trichloropropane	U		0.922	3.11	1000	12/04/2017 18:09	WG1049339
1,2,4-Trimethylbenzene	U		0.262	1.24	1000	12/04/2017 18:09	WG1049339
1,2,3-Trimethylbenzene	U		0.357	1.24	1000	12/04/2017 18:09	WG1049339
1,3,5-Trimethylbenzene	U		0.331	1.24	1000	12/04/2017 18:09	WG1049339
Vinyl acetate	U		2.97	12.4	1000	12/04/2017 18:09	WG1049339
Vinyl chloride	U		0.362	1.24	1000	12/04/2017 18:09	WG1049339
Xylenes, Total	U		0.868	3.73	1000	12/04/2017 18:09	WG1049339
(S) Toluene-d8	*104*			*80.0-120*		*12/04/2017 18:09*	WG1049339
(S) Dibromofluoromethane	*103*			*74.0-131*		*12/04/2017 18:09*	WG1049339
(S) 4-Bromofluorobenzene	*90.7*			*64.0-132*		*12/04/2017 18:09*	WG1049339

Sample Narrative:

L954694-06 WG1049339: Cannot be analyzed at a lower dilution due to high levels of target analytes.

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

JC 12/20/17

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

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	82.8		1	12/07/2017 13:13	WG1050624

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		12.1	60.4	1000	12/04/2017 18:29	WG1049339
Acrylonitrile	U		2.16	12.1	1000	12/04/2017 18:29	WG1049339
Benzene	U		0.326	1.21	1000	12/04/2017 18:29	WG1049339
Bromobenzene	U		0.343	1.21	1000	12/04/2017 18:29	WG1049339
Bromodichloromethane	U		0.307	1.21	1000	12/04/2017 18:29	WG1049339
Bromochloromethane	U		0.471	6.04	1000	12/04/2017 18:29	WG1049339
Bromoform	U		0.512	1.21	1000	12/04/2017 18:29	WG1049339
Bromomethane	U		1.62	6.04	1000	12/04/2017 18:29	WG1049339
n-Butylbenzene	U		0.312	1.21	1000	12/04/2017 18:29	WG1049339
sec-Butylbenzene	U		0.243	1.21	1000	12/04/2017 18:29	WG1049339
tert-Butylbenzene	U		0.249	1.21	1000	12/04/2017 18:29	WG1049339
Carbon disulfide	U		0.267	1.21	1000	12/04/2017 18:29	WG1049339
Carbon tetrachloride	U		0.396	1.21	1000	12/04/2017 18:29	WG1049339
Chlorobenzene	U		0.256	1.21	1000	12/04/2017 18:29	WG1049339
Chlorodibromomethane	U		0.450	1.21	1000	12/04/2017 18:29	WG1049339
Chloroethane	U		1.14	6.04	1000	12/04/2017 18:29	WG1049339
Chloroform	U		0.277	6.04	1000	12/04/2017 18:29	WG1049339
Chloromethane	U		0.453	3.02	1000	12/04/2017 18:29	WG1049339
2-Chlorotoluene	U		0.363	1.21	1000	12/04/2017 18:29	WG1049339
4-Chlorotoluene	U		0.290	1.21	1000	12/04/2017 18:29	WG1049339
1,2-Dibromo-3-Chloropropane	U		1.27	6.04	1000	12/04/2017 18:29	WG1049339
1,2-Dibromoethane	U		0.414	1.21	1000	12/04/2017 18:29	WG1049339
Dibromomethane	U		0.461	1.21	1000	12/04/2017 18:29	WG1049339
1,2-Dichlorobenzene	U		0.368	1.21	1000	12/04/2017 18:29	WG1049339
1,3-Dichlorobenzene	U		0.289	1.21	1000	12/04/2017 18:29	WG1049339
1,4-Dichlorobenzene	U		0.273	1.21	1000	12/04/2017 18:29	WG1049339
Dichlorodifluoromethane	U		0.861	6.04	1000	12/04/2017 18:29	WG1049339
1,1-Dichloroethane	U		0.240	1.21	1000	12/04/2017 18:29	WG1049339
1,2-Dichloroethane	U		0.320	1.21	1000	12/04/2017 18:29	WG1049339
1,1-Dichloroethene	U		0.366	1.21	1000	12/04/2017 18:29	WG1049339
cis-1,2-Dichloroethene	0.884 J	J	0.284	1.21	1000	12/04/2017 18:29	WG1049339
trans-1,2-Dichloroethene	U		0.319	1.21	1000	12/04/2017 18:29	WG1049339
1,2-Dichloropropane	U		0.432	1.21	1000	12/04/2017 18:29	WG1049339
1,1-Dichloropropene	U		0.383	1.21	1000	12/04/2017 18:29	WG1049339
1,3-Dichloropropane	U		0.250	1.21	1000	12/04/2017 18:29	WG1049339
cis-1,3-Dichloropropene	U		0.316	1.21	1000	12/04/2017 18:29	WG1049339
trans-1,3-Dichloropropene	U		0.322	1.21	1000	12/04/2017 18:29	WG1049339
trans-1,4-Dichloro-2-butene	U		0.940	3.02	1000	12/04/2017 18:29	WG1049339
2,2-Dichloropropane	U		0.337	1.21	1000	12/04/2017 18:29	WG1049339
Di-isopropyl ether	U		0.299	1.21	1000	12/04/2017 18:29	WG1049339
Ethylbenzene	U		0.359	1.21	1000	12/04/2017 18:29	WG1049339
Hexachloro-1,3-butadiene	U		0.413	1.21	1000	12/04/2017 18:29	WG1049339
2-Hexanone	U		1.65	12.1	1000	12/04/2017 18:29	WG1049339
n-Hexane	U		0.350	12.1	1000	12/04/2017 18:29	WG1049339
Iodomethane	U		3.06	12.1	1000	12/04/2017 18:29	WG1049339
Isopropylbenzene	U		0.293	1.21	1000	12/04/2017 18:29	WG1049339
p-Isopropyltoluene	U		0.246	1.21	1000	12/04/2017 18:29	WG1049339
2-Butanone (MEK)	U		5.65	12.1	1000	12/04/2017 18:29	WG1049339
Methylene Chloride	U		1.21	6.04	1000	12/04/2017 18:29	WG1049339
4-Methyl-2-pentanone (MIBK)	U		2.27	12.1	1000	12/04/2017 18:29	WG1049339

JC 12/20/17

B-922-15

Collected date/time: 11/30/17 08:05

SAMPLE RESULTS - 07

L954694

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.256	1.21	1000	12/04/2017 18:29	WG1049339
Naphthalene	U		1.21	6.04	1000	12/04/2017 18:29	WG1049339
n-Propylbenzene	U		0.249	1.21	1000	12/04/2017 18:29	WG1049339
Styrene	U		0.283	1.21	1000	12/04/2017 18:29	WG1049339
1,1,1,2-Tetrachloroethane	U		0.319	1.21	1000	12/04/2017 18:29	WG1049339
1,1,2,2-Tetrachloroethane	U		0.441	1.21	1000	12/04/2017 18:29	WG1049339
1,1,2-Trichlorotrifluoroethane	U		0.441	1.21	1000	12/04/2017 18:29	WG1049339
Tetrachloroethene	165 J		0.333	1.21	1000	12/04/2017 18:29	WG1049339
Toluene	U		0.524	6.04	1000	12/04/2017 18:29	WG1049339
1,2,3-Trichlorobenzene	U		0.370	1.21	1000	12/04/2017 18:29	WG1049339
1,2,4-Trichlorobenzene	U		0.469	1.21	1000	12/04/2017 18:29	WG1049339
1,1,1-Trichloroethane	U		0.345	1.21	1000	12/04/2017 18:29	WG1049339
1,1,2-Trichloroethane	U		0.335	1.21	1000	12/04/2017 18:29	WG1049339
Trichloroethene	0.505 J	J	0.337	1.21	1000	12/04/2017 18:29	WG1049339
Trichlorofluoromethane	U		0.461	6.04	1000	12/04/2017 18:29	WG1049339
1,2,3-Trichloropropane	U		0.895	3.02	1000	12/04/2017 18:29	WG1049339
1,2,4-Trimethylbenzene	U		0.255	1.21	1000	12/04/2017 18:29	WG1049339
1,2,3-Trimethylbenzene	U		0.347	1.21	1000	12/04/2017 18:29	WG1049339
1,3,5-Trimethylbenzene	U		0.321	1.21	1000	12/04/2017 18:29	WG1049339
Vinyl acetate	U		2.89	12.1	1000	12/04/2017 18:29	WG1049339
Vinyl chloride	U		0.351	1.21	1000	12/04/2017 18:29	WG1049339
Xylenes, Total	U		0.843	3.62	1000	12/04/2017 18:29	WG1049339
(S) Toluene-d8	*104*			*80.0-120*		*12/04/2017 18:29*	WG1049339
(S) Dibromofluoromethane	*100*			*74.0-131*		*12/04/2017 18:29*	WG1049339
(S) 4-Bromofluorobenzene	*94.4*			*64.0-132*		*12/04/2017 18:29*	WG1049339

Sample Narrative:

L954694-07 WG1049339: Cannot be analyzed at a lower dilution due to high levels of target analytes.

JC 12/20/17

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

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	84.7		1	12/07/2017 12:28	WG1050630

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		1.81	9.03	153	12/04/2017 17:11	WG1049339
Acrylonitrile	U		0.324	1.81	153	12/04/2017 17:11	WG1049339
Benzene	U		0.0488	0.181	153	12/04/2017 17:11	WG1049339
Bromobenzene	U		0.0512	0.181	153	12/04/2017 17:11	WG1049339
Bromodichloromethane	U		0.0459	0.181	153	12/04/2017 17:11	WG1049339
Bromochloromethane	U		0.0705	0.903	153	12/04/2017 17:11	WG1049339
Bromoform	U		0.0766	0.181	153	12/04/2017 17:11	WG1049339
Bromomethane	U		0.242	0.903	153	12/04/2017 17:11	WG1049339
n-Butylbenzene	U		0.0466	0.181	153	12/04/2017 17:11	WG1049339
sec-Butylbenzene	U		0.0364	0.181	153	12/04/2017 17:11	WG1049339
tert-Butylbenzene	U		0.0372	0.181	153	12/04/2017 17:11	WG1049339
Carbon disulfide	U		0.0399	0.181	153	12/04/2017 17:11	WG1049339
Carbon tetrachloride	U		0.0593	0.181	153	12/04/2017 17:11	WG1049339
Chlorobenzene	U		0.0383	0.181	153	12/04/2017 17:11	WG1049339
Chlorodibromomethane	U		0.0674	0.181	153	12/04/2017 17:11	WG1049339
Chloroethane	U		0.171	0.903	153	12/04/2017 17:11	WG1049339
Chloroform	U		0.0413	0.903	153	12/04/2017 17:11	WG1049339
Chloromethane	U		0.0678	0.452	153	12/04/2017 17:11	WG1049339
2-Chlorotoluene	U		0.0543	0.181	153	12/04/2017 17:11	WG1049339
4-Chlorotoluene	U		0.0433	0.181	153	12/04/2017 17:11	WG1049339
1,2-Dibromo-3-Chloropropane	U		0.190	0.903	153	12/04/2017 17:11	WG1049339
1,2-Dibromoethane	U		0.0620	0.181	153	12/04/2017 17:11	WG1049339
Dibromomethane	U		0.0690	0.181	153	12/04/2017 17:11	WG1049339
1,2-Dichlorobenzene	U		0.0551	0.181	153	12/04/2017 17:11	WG1049339
1,3-Dichlorobenzene	U		0.0432	0.181	153	12/04/2017 17:11	WG1049339
1,4-Dichlorobenzene	U		0.0409	0.181	153	12/04/2017 17:11	WG1049339
Dichlorodifluoromethane	U		0.129	0.903	153	12/04/2017 17:11	WG1049339
1,1-Dichloroethane	U		0.0359	0.181	153	12/04/2017 17:11	WG1049339
1,2-Dichloroethane	U		0.0478	0.181	153	12/04/2017 17:11	WG1049339
1,1-Dichloroethene	U		0.0548	0.181	153	12/04/2017 17:11	WG1049339
cis-1,2-Dichloroethene	0.470		0.0425	0.181	153	12/04/2017 17:11	WG1049339
trans-1,2-Dichloroethene	U		0.0477	0.181	153	12/04/2017 17:11	WG1049339
1,2-Dichloropropane	U		0.0647	0.181	153	12/04/2017 17:11	WG1049339
1,1-Dichloropropene	U		0.0573	0.181	153	12/04/2017 17:11	WG1049339
1,3-Dichloropropane	U		0.0374	0.181	153	12/04/2017 17:11	WG1049339
cis-1,3-Dichloropropene	U		0.0473	0.181	153	12/04/2017 17:11	WG1049339
trans-1,3-Dichloropropene	U		0.0482	0.181	153	12/04/2017 17:11	WG1049339
trans-1,4-Dichloro-2-butene	U		0.141	0.452	153	12/04/2017 17:11	WG1049339
2,2-Dichloropropane	U		0.0504	0.181	153	12/04/2017 17:11	WG1049339
Di-isopropyl ether	U		0.0447	0.181	153	12/04/2017 17:11	WG1049339
Ethylbenzene	U		0.0536	0.181	153	12/04/2017 17:11	WG1049339
Hexachloro-1,3-butadiene	U		0.0618	0.181	153	12/04/2017 17:11	WG1049339
2-Hexanone	U		0.248	1.81	153	12/04/2017 17:11	WG1049339
n-Hexane	U		0.0524	1.81	153	12/04/2017 17:11	WG1049339
Iodomethane	U		0.457	1.81	153	12/04/2017 17:11	WG1049339
Isopropylbenzene	U		0.0439	0.181	153	12/04/2017 17:11	WG1049339
p-Isopropyltoluene	U		0.0368	0.181	153	12/04/2017 17:11	WG1049339
2-Butanone (MEK)	U		0.845	1.81	153	12/04/2017 17:11	WG1049339
Methylene Chloride	U		0.181	0.903	153	12/04/2017 17:11	WG1049339
4-Methyl-2-pentanone (MIBK)	U		0.340	1.81	153	12/04/2017 17:11	WG1049339

JC 12/20/17

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.0383	0.181	153	12/04/2017 17:11	WG1049339
Naphthalene	U		0.181	0.903	153	12/04/2017 17:11	WG1049339
n-Propylbenzene	U		0.0372	0.181	153	12/04/2017 17:11	WG1049339
Styrene	U		0.0423	0.181	153	12/04/2017 17:11	WG1049339
1,1,1,2-Tetrachloroethane	U		0.0477	0.181	153	12/04/2017 17:11	WG1049339
1,1,2,2-Tetrachloroethane	U		0.0659	0.181	153	12/04/2017 17:11	WG1049339
1,1,2-Trichlorotrifluoroethane	U		0.0659	0.181	153	12/04/2017 17:11	WG1049339
Tetrachloroethene	25.4		0.0498	0.181	153	12/04/2017 17:11	WG1049339
Toluene	U		0.0784	0.903	153	12/04/2017 17:11	WG1049339
1,2,3-Trichlorobenzene	U		0.0553	0.181	153	12/04/2017 17:11	WG1049339
1,2,4-Trichlorobenzene	U		0.0701	0.181	153	12/04/2017 17:11	WG1049339
1,1,1-Trichloroethane	U		0.0517	0.181	153	12/04/2017 17:11	WG1049339
1,1,2-Trichloroethane	U		0.0501	0.181	153	12/04/2017 17:11	WG1049339
Trichloroethene	0.211		0.0504	0.181	153	12/04/2017 17:11	WG1049339
Trichlorofluoromethane	U		0.0690	0.903	153	12/04/2017 17:11	WG1049339
1,2,3-Trichloropropane	U		0.133	0.452	153	12/04/2017 17:11	WG1049339
1,2,4-Trimethylbenzene	0.0580 J	J	0.0381	0.181	153	12/04/2017 17:11	WG1049339
1,2,3-Trimethylbenzene	U		0.0518	0.181	153	12/04/2017 17:11	WG1049339
1,3,5-Trimethylbenzene	U		0.0481	0.181	153	12/04/2017 17:11	WG1049339
Vinyl acetate	U		0.432	1.81	153	12/04/2017 17:11	WG1049339
Vinyl chloride	U		0.0525	0.181	153	12/04/2017 17:11	WG1049339
Xylenes, Total	0.174 J	J	0.126	0.542	153	12/04/2017 17:11	WG1049339
(S) Toluene-d8	*107*			*80.0-120*		*12/04/2017 17:11*	WG1049339
(S) Dibromofluoromethane	*97.4*			*74.0-131*		*12/04/2017 17:11*	WG1049339
(S) 4-Bromofluorobenzene	*89.0*			*64.0-132*		*12/04/2017 17:11*	WG1049339

Sample Narrative:

L954694-08 WG1049339: Cannot be analyzed at a lower dilution due to high levels of target analytes.

JC 12/20/17

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	83.3		1	12/07/2017 13:01	WG1050628

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		3.00	15.0	250	12/04/2017 17:50	WG1049339
Acrylonitrile	U		0.538	3.00	250	12/04/2017 17:50	WG1049339
Benzene	U		0.0810	0.300	250	12/04/2017 17:50	WG1049339
Bromobenzene	U		0.0852	0.300	250	12/04/2017 17:50	WG1049339
Bromodichloromethane	U		0.0762	0.300	250	12/04/2017 17:50	WG1049339
Bromochloromethane	U		0.117	1.50	250	12/04/2017 17:50	WG1049339
Bromoform	U		0.127	0.300	250	12/04/2017 17:50	WG1049339
Bromomethane	U		0.402	1.50	250	12/04/2017 17:50	WG1049339
n-Butylbenzene	U		0.0774	0.300	250	12/04/2017 17:50	WG1049339
sec-Butylbenzene	U		0.0603	0.300	250	12/04/2017 17:50	WG1049339
tert-Butylbenzene	U		0.0618	0.300	250	12/04/2017 17:50	WG1049339
Carbon disulfide	U		0.0663	0.300	250	12/04/2017 17:50	WG1049339
Carbon tetrachloride	U		0.0984	0.300	250	12/04/2017 17:50	WG1049339
Chlorobenzene	U		0.0636	0.300	250	12/04/2017 17:50	WG1049339
Chlorodibromomethane	U		0.112	0.300	250	12/04/2017 17:50	WG1049339
Chloroethane	U		0.283	1.50	250	12/04/2017 17:50	WG1049339
Chloroform	U		0.0687	1.50	250	12/04/2017 17:50	WG1049339
Chloromethane	U		0.113	0.750	250	12/04/2017 17:50	WG1049339
2-Chlorotoluene	U		0.0903	0.300	250	12/04/2017 17:50	WG1049339
4-Chlorotoluene	U		0.0720	0.300	250	12/04/2017 17:50	WG1049339
1,2-Dibromo-3-Chloropropane	U		0.314	1.50	250	12/04/2017 17:50	WG1049339
1,2-Dibromoethane	U		0.103	0.300	250	12/04/2017 17:50	WG1049339
Dibromomethane	U		0.115	0.300	250	12/04/2017 17:50	WG1049339
1,2-Dichlorobenzene	U		0.0915	0.300	250	12/04/2017 17:50	WG1049339
1,3-Dichlorobenzene	U		0.0718	0.300	250	12/04/2017 17:50	WG1049339
1,4-Dichlorobenzene	U		0.0678	0.300	250	12/04/2017 17:50	WG1049339
Dichlorodifluoromethane	U		0.214	1.50	250	12/04/2017 17:50	WG1049339
1,1-Dichloroethane	U		0.0598	0.300	250	12/04/2017 17:50	WG1049339
1,2-Dichloroethane	U		0.0795	0.300	250	12/04/2017 17:50	WG1049339
1,1-Dichloroethene	U		0.0910	0.300	250	12/04/2017 17:50	WG1049339
cis-1,2-Dichloroethene	1.97		0.0706	0.300	250	12/04/2017 17:50	WG1049339
trans-1,2-Dichloroethene	U		0.0792	0.300	250	12/04/2017 17:50	WG1049339
1,2-Dichloropropane	U		0.107	0.300	250	12/04/2017 17:50	WG1049339
1,1-Dichloropropene	U		0.0951	0.300	250	12/04/2017 17:50	WG1049339
1,3-Dichloropropane	U		0.0622	0.300	250	12/04/2017 17:50	WG1049339
cis-1,3-Dichloropropene	U		0.0786	0.300	250	12/04/2017 17:50	WG1049339
trans-1,3-Dichloropropene	U		0.0802	0.300	250	12/04/2017 17:50	WG1049339
trans-1,4-Dichloro-2-butene	U		0.233	0.750	250	12/04/2017 17:50	WG1049339
2,2-Dichloropropane	U		0.0838	0.300	250	12/04/2017 17:50	WG1049339
Di-isopropyl ether	U		0.0744	0.300	250	12/04/2017 17:50	WG1049339
Ethylbenzene	U		0.0891	0.300	250	12/04/2017 17:50	WG1049339
Hexachloro-1,3-butadiene	U		0.103	0.300	250	12/04/2017 17:50	WG1049339
2-Hexanone	U		0.410	3.00	250	12/04/2017 17:50	WG1049339
n-Hexane	U		0.0870	3.00	250	12/04/2017 17:50	WG1049339
Iodomethane	U		0.759	3.00	250	12/04/2017 17:50	WG1049339
Isopropylbenzene	U		0.0730	0.300	250	12/04/2017 17:50	WG1049339
p-Isopropyltoluene	U		0.0612	0.300	250	12/04/2017 17:50	WG1049339
2-Butanone (MEK)	U		1.40	3.00	250	12/04/2017 17:50	WG1049339
Methylene Chloride	U		0.300	1.50	250	12/04/2017 17:50	WG1049339
4-Methyl-2-pentanone (MIBK)	U		0.564	3.00	250	12/04/2017 17:50	WG1049339

JC 12/20/17

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

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.0636	0.300	250	12/04/2017 17:50	WG1049339
Naphthalene	U		0.300	1.50	250	12/04/2017 17:50	WG1049339
n-Propylbenzene	U		0.0618	0.300	250	12/04/2017 17:50	WG1049339
Styrene	U		0.0702	0.300	250	12/04/2017 17:50	WG1049339
1,1,1,2-Tetrachloroethane	U		0.0792	0.300	250	12/04/2017 17:50	WG1049339
1,1,2,2-Tetrachloroethane	U		0.109	0.300	250	12/04/2017 17:50	WG1049339
1,1,2-Trichlorotrifluoroethane	U		0.109	0.300	250	12/04/2017 17:50	WG1049339
Tetrachloroethene	42.3		0.0828	0.300	250	12/04/2017 17:50	WG1049339
Toluene	U		0.130	1.50	250	12/04/2017 17:50	WG1049339
1,2,3-Trichlorobenzene	U		0.0918	0.300	250	12/04/2017 17:50	WG1049339
1,2,4-Trichlorobenzene	U		0.116	0.300	250	12/04/2017 17:50	WG1049339
1,1,1-Trichloroethane	U		0.0858	0.300	250	12/04/2017 17:50	WG1049339
1,1,2-Trichloroethane	U		0.0831	0.300	250	12/04/2017 17:50	WG1049339
Trichloroethene	5.09		0.0838	0.300	250	12/04/2017 17:50	WG1049339
Trichlorofluoromethane	U		0.115	1.50	250	12/04/2017 17:50	WG1049339
1,2,3-Trichloropropane	U		0.222	0.750	250	12/04/2017 17:50	WG1049339
1,2,4-Trimethylbenzene	U		0.0634	0.300	250	12/04/2017 17:50	WG1049339
1,2,3-Trimethylbenzene	U		0.0862	0.300	250	12/04/2017 17:50	WG1049339
1,3,5-Trimethylbenzene	U		0.0798	0.300	250	12/04/2017 17:50	WG1049339
Vinyl acetate	U		0.718	3.00	250	12/04/2017 17:50	WG1049339
Vinyl chloride	U		0.0874	0.300	250	12/04/2017 17:50	WG1049339
Xylenes, Total	U		0.209	0.900	250	12/04/2017 17:50	WG1049339
(S) Toluene-d8	*105*			*80.0-120*		*12/04/2017 17:50*	WG1049339
(S) Dibromofluoromethane	*101*			*74.0-131*		*12/04/2017 17:50*	WG1049339
(S) 4-Bromofluorobenzene	*91.7*			*64.0-132*		*12/04/2017 17:50*	WG1049339

Sample Narrative:

L954694-09 WG1049339: Cannot be analyzed at a lower dilution due to high levels of target analytes.

JC 12/20/17

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	81.1		1	12/07/2017 13:13	WG1050624

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0123	0.0617	1	12/04/2017 15:14	WG1049339
Acrylonitrile	U		0.00221	0.0123	1	12/04/2017 15:14	WG1049339
Benzene	U		0.000333	0.00123	1	12/04/2017 15:14	WG1049339
Bromobenzene	U		0.000350	0.00123	1	12/04/2017 15:14	WG1049339
Bromodichloromethane	U		0.000313	0.00123	1	12/04/2017 15:14	WG1049339
Bromochloromethane	U		0.000481	0.00617	1	12/04/2017 15:14	WG1049339
Bromoform	U		0.000523	0.00123	1	12/04/2017 15:14	WG1049339
Bromomethane	U		0.00165	0.00617	1	12/04/2017 15:14	WG1049339
n-Butylbenzene	U		0.000318	0.00123	1	12/04/2017 15:14	WG1049339
sec-Butylbenzene	U		0.000248	0.00123	1	12/04/2017 15:14	WG1049339
tert-Butylbenzene	U		0.000254	0.00123	1	12/04/2017 15:14	WG1049339
Carbon disulfide	U		0.000273	0.00123	1	12/04/2017 15:14	WG1049339
Carbon tetrachloride	U		0.000405	0.00123	1	12/04/2017 15:14	WG1049339
Chlorobenzene	U		0.000261	0.00123	1	12/04/2017 15:14	WG1049339
Chlorodibromomethane	U		0.000460	0.00123	1	12/04/2017 15:14	WG1049339
Chloroethane	U		0.00117	0.00617	1	12/04/2017 15:14	WG1049339
Chloroform	U		0.000282	0.00617	1	12/04/2017 15:14	WG1049339
Chloromethane	U		0.000463	0.00308	1	12/04/2017 15:14	WG1049339
2-Chlorotoluene	U		0.000371	0.00123	1	12/04/2017 15:14	WG1049339
4-Chlorotoluene	U		0.000296	0.00123	1	12/04/2017 15:14	WG1049339
1,2-Dibromo-3-Chloropropane	U		0.00130	0.00617	1	12/04/2017 15:14	WG1049339
1,2-Dibromoethane	U		0.000423	0.00123	1	12/04/2017 15:14	WG1049339
Dibromomethane	U		0.000471	0.00123	1	12/04/2017 15:14	WG1049339
1,2-Dichlorobenzene	U		0.000376	0.00123	1	12/04/2017 15:14	WG1049339
1,3-Dichlorobenzene	U		0.000295	0.00123	1	12/04/2017 15:14	WG1049339
1,4-Dichlorobenzene	U		0.000279	0.00123	1	12/04/2017 15:14	WG1049339
Dichlorodifluoromethane	U		0.000879	0.00617	1	12/04/2017 15:14	WG1049339
1,1-Dichloroethane	U		0.000245	0.00123	1	12/04/2017 15:14	WG1049339
1,2-Dichloroethane	U		0.000327	0.00123	1	12/04/2017 15:14	WG1049339
1,1-Dichloroethene	U		0.000374	0.00123	1	12/04/2017 15:14	WG1049339
cis-1,2-Dichloroethene	0.00617		0.000290	0.00123	1	12/04/2017 15:14	WG1049339
trans-1,2-Dichloroethene	U		0.000326	0.00123	1	12/04/2017 15:14	WG1049339
1,2-Dichloropropane	U		0.000442	0.00123	1	12/04/2017 15:14	WG1049339
1,1-Dichloropropene	U		0.000391	0.00123	1	12/04/2017 15:14	WG1049339
1,3-Dichloropropane	U		0.000255	0.00123	1	12/04/2017 15:14	WG1049339
cis-1,3-Dichloropropene	U		0.000323	0.00123	1	12/04/2017 15:14	WG1049339
trans-1,3-Dichloropropene	U		0.000329	0.00123	1	12/04/2017 15:14	WG1049339
trans-1,4-Dichloro-2-butene	U		0.000960	0.00308	1	12/04/2017 15:14	WG1049339
2,2-Dichloropropane	U		0.000344	0.00123	1	12/04/2017 15:14	WG1049339
Di-isopropyl ether	U		0.000306	0.00123	1	12/04/2017 15:14	WG1049339
Ethylbenzene	U		0.000366	0.00123	1	12/04/2017 15:14	WG1049339
Hexachloro-1,3-butadiene	U		0.000422	0.00123	1	12/04/2017 15:14	WG1049339
2-Hexanone	U		0.00169	0.0123	1	12/04/2017 15:14	WG1049339
n-Hexane	U		0.000358	0.0123	1	12/04/2017 15:14	WG1049339
Iodomethane	U		0.00312	0.0123	1	12/04/2017 15:14	WG1049339
Isopropylbenzene	U		0.000300	0.00123	1	12/04/2017 15:14	WG1049339
p-Isopropyltoluene	U		0.000252	0.00123	1	12/04/2017 15:14	WG1049339
2-Butanone (MEK)	U		0.00577	0.0123	1	12/04/2017 15:14	WG1049339
Methylene Chloride	U		0.00123	0.00617	1	12/04/2017 15:14	WG1049339
4-Methyl-2-pentanone (MIBK)	U		0.00232	0.0123	1	12/04/2017 15:14	WG1049339

JC 12/20/17

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000261	0.00123	1	12/04/2017 15:14	WG1049339
Naphthalene	U		0.00123	0.00617	1	12/04/2017 15:14	WG1049339
n-Propylbenzene	U		0.000254	0.00123	1	12/04/2017 15:14	WG1049339
Styrene	U		0.000289	0.00123	1	12/04/2017 15:14	WG1049339
1,1,1,2-Tetrachloroethane	U		0.000326	0.00123	1	12/04/2017 15:14	WG1049339
1,1,2,2-Tetrachloroethane	U		0.000450	0.00123	1	12/04/2017 15:14	WG1049339
1,1,2-Trichlorotrifluoroethane	U		0.000450	0.00123	1	12/04/2017 15:14	WG1049339
Tetrachloroethene	0.0109		0.000340	0.00123	1	12/04/2017 15:14	WG1049339
Toluene	U		0.000535	0.00617	1	12/04/2017 15:14	WG1049339
1,2,3-Trichlorobenzene	U		0.000377	0.00123	1	12/04/2017 15:14	WG1049339
1,2,4-Trichlorobenzene	U		0.000479	0.00123	1	12/04/2017 15:14	WG1049339
1,1,1-Trichloroethane	U		0.000353	0.00123	1	12/04/2017 15:14	WG1049339
1,1,2-Trichloroethane	U		0.000342	0.00123	1	12/04/2017 15:14	WG1049339
Trichloroethene	0.00146		0.000344	0.00123	1	12/04/2017 15:14	WG1049339
Trichlorofluoromethane	U		0.000471	0.00617	1	12/04/2017 15:14	WG1049339
1,2,3-Trichloropropane	U		0.000914	0.00308	1	12/04/2017 15:14	WG1049339
1,2,4-Trimethylbenzene	U		0.000260	0.00123	1	12/04/2017 15:14	WG1049339
1,2,3-Trimethylbenzene	U		0.000354	0.00123	1	12/04/2017 15:14	WG1049339
1,3,5-Trimethylbenzene	U		0.000328	0.00123	1	12/04/2017 15:14	WG1049339
Vinyl acetate	U		0.00295	0.0123	1	12/04/2017 15:14	WG1049339
Vinyl chloride	U		0.000359	0.00123	1	12/04/2017 15:14	WG1049339
Xylenes, Total	U		0.000861	0.00370	1	12/04/2017 15:14	WG1049339
(S) Toluene-d8	*96.1*			*80.0-120*		*12/04/2017 15:14*	WG1049339
(S) Dibromofluoromethane	*107*			*74.0-131*		*12/04/2017 15:14*	WG1049339
(S) 4-Bromofluorobenzene	*91.4*			*64.0-132*		*12/04/2017 15:14*	WG1049339

JC 12/20/17

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

Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch
Analyte	%			date / time	
Total Solids	84.8		1	12/07/2017 13:13	WG1050624

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

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0118	0.0589	1	12/04/2017 15:33	WG1049339
Acrylonitrile	U		0.00211	0.0118	1	12/04/2017 15:33	WG1049339
Benzene	U		0.000318	0.00118	1	12/04/2017 15:33	WG1049339
Bromobenzene	U		0.000335	0.00118	1	12/04/2017 15:33	WG1049339
Bromodichloromethane	U		0.000299	0.00118	1	12/04/2017 15:33	WG1049339
Bromochloromethane	U		0.000460	0.00589	1	12/04/2017 15:33	WG1049339
Bromoform	U		0.000500	0.00118	1	12/04/2017 15:33	WG1049339
Bromomethane	U		0.00158	0.00589	1	12/04/2017 15:33	WG1049339
n-Butylbenzene	U		0.000304	0.00118	1	12/04/2017 15:33	WG1049339
sec-Butylbenzene	U		0.000237	0.00118	1	12/04/2017 15:33	WG1049339
tert-Butylbenzene	U		0.000243	0.00118	1	12/04/2017 15:33	WG1049339
Carbon disulfide	U		0.000260	0.00118	1	12/04/2017 15:33	WG1049339
Carbon tetrachloride	U		0.000387	0.00118	1	12/04/2017 15:33	WG1049339
Chlorobenzene	U		0.000250	0.00118	1	12/04/2017 15:33	WG1049339
Chlorodibromomethane	U		0.000440	0.00118	1	12/04/2017 15:33	WG1049339
Chloroethane	U		0.00111	0.00589	1	12/04/2017 15:33	WG1049339
Chloroform	U		0.000270	0.00589	1	12/04/2017 15:33	WG1049339
Chloromethane	U		0.000442	0.00295	1	12/04/2017 15:33	WG1049339
2-Chlorotoluene	U		0.000355	0.00118	1	12/04/2017 15:33	WG1049339
4-Chlorotoluene	U		0.000283	0.00118	1	12/04/2017 15:33	WG1049339
1,2-Dibromo-3-Chloropropane	U		0.00124	0.00589	1	12/04/2017 15:33	WG1049339
1,2-Dibromoethane	U		0.000404	0.00118	1	12/04/2017 15:33	WG1049339
Dibromomethane	U		0.000450	0.00118	1	12/04/2017 15:33	WG1049339
1,2-Dichlorobenzene	U		0.000359	0.00118	1	12/04/2017 15:33	WG1049339
1,3-Dichlorobenzene	U		0.000282	0.00118	1	12/04/2017 15:33	WG1049339
1,4-Dichlorobenzene	U		0.000266	0.00118	1	12/04/2017 15:33	WG1049339
Dichlorodifluoromethane	U		0.000840	0.00589	1	12/04/2017 15:33	WG1049339
1,1-Dichloroethane	U		0.000235	0.00118	1	12/04/2017 15:33	WG1049339
1,2-Dichloroethane	U		0.000312	0.00118	1	12/04/2017 15:33	WG1049339
1,1-Dichloroethene	U		0.000357	0.00118	1	12/04/2017 15:33	WG1049339
cis-1,2-Dichloroethene	0.000868 J	J	0.000277	0.00118	1	12/04/2017 15:33	WG1049339
trans-1,2-Dichloroethene	U		0.000311	0.00118	1	12/04/2017 15:33	WG1049339
1,2-Dichloropropane	U		0.000422	0.00118	1	12/04/2017 15:33	WG1049339
1,1-Dichloropropene	U		0.000374	0.00118	1	12/04/2017 15:33	WG1049339
1,3-Dichloropropane	U		0.000244	0.00118	1	12/04/2017 15:33	WG1049339
cis-1,3-Dichloropropene	U		0.000309	0.00118	1	12/04/2017 15:33	WG1049339
trans-1,3-Dichloropropene	U		0.000315	0.00118	1	12/04/2017 15:33	WG1049339
trans-1,4-Dichloro-2-butene	U		0.000917	0.00295	1	12/04/2017 15:33	WG1049339
2,2-Dichloropropane	U		0.000329	0.00118	1	12/04/2017 15:33	WG1049339
Di-isopropyl ether	U		0.000292	0.00118	1	12/04/2017 15:33	WG1049339
Ethylbenzene	U		0.000350	0.00118	1	12/04/2017 15:33	WG1049339
Hexachloro-1,3-butadiene	U		0.000403	0.00118	1	12/04/2017 15:33	WG1049339
2-Hexanone	U		0.00161	0.0118	1	12/04/2017 15:33	WG1049339
n-Hexane	U		0.000342	0.0118	1	12/04/2017 15:33	WG1049339
Iodomethane	U		0.00298	0.0118	1	12/04/2017 15:33	WG1049339
Isopropylbenzene	U		0.000286	0.00118	1	12/04/2017 15:33	WG1049339
p-Isopropyltoluene	U		0.000240	0.00118	1	12/04/2017 15:33	WG1049339
2-Butanone (MEK)	U		0.00552	0.0118	1	12/04/2017 15:33	WG1049339
Methylene Chloride	U		0.00118	0.00589	1	12/04/2017 15:33	WG1049339
4-Methyl-2-pentanone (MIBK)	U		0.00222	0.0118	1	12/04/2017 15:33	WG1049339

JC 12/20/17

B-231-11

Collected date/time: 11/30/17 13:55

SAMPLE RESULTS - 11

L954694

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000250	0.00118	1	12/04/2017 15:33	WG1049339
Naphthalene	U		0.00118	0.00589	1	12/04/2017 15:33	WG1049339
n-Propylbenzene	U		0.000243	0.00118	1	12/04/2017 15:33	WG1049339
Styrene	U		0.000276	0.00118	1	12/04/2017 15:33	WG1049339
1,1,1,2-Tetrachloroethane	U		0.000311	0.00118	1	12/04/2017 15:33	WG1049339
1,1,2,2-Tetrachloroethane	U		0.000430	0.00118	1	12/04/2017 15:33	WG1049339
1,1,2-Trichlorotrifluoroethane	U		0.000430	0.00118	1	12/04/2017 15:33	WG1049339
Tetrachloroethene	0.0347		0.000325	0.00118	1	12/04/2017 15:33	WG1049339
Toluene	U		0.000512	0.00589	1	12/04/2017 15:33	WG1049339
1,2,3-Trichlorobenzene	U		0.000361	0.00118	1	12/04/2017 15:33	WG1049339
1,2,4-Trichlorobenzene	U		0.000457	0.00118	1	12/04/2017 15:33	WG1049339
1,1,1-Trichloroethane	U		0.000337	0.00118	1	12/04/2017 15:33	WG1049339
1,1,2-Trichloroethane	U		0.000326	0.00118	1	12/04/2017 15:33	WG1049339
Trichloroethene	0.000346 J	J	0.000329	0.00118	1	12/04/2017 15:33	WG1049339
Trichlorofluoromethane	U		0.000450	0.00589	1	12/04/2017 15:33	WG1049339
1,2,3-Trichloropropane	U		0.000873	0.00295	1	12/04/2017 15:33	WG1049339
1,2,4-Trimethylbenzene	U		0.000249	0.00118	1	12/04/2017 15:33	WG1049339
1,2,3-Trimethylbenzene	U		0.000338	0.00118	1	12/04/2017 15:33	WG1049339
1,3,5-Trimethylbenzene	U		0.000314	0.00118	1	12/04/2017 15:33	WG1049339
Vinyl acetate	U		0.00282	0.0118	1	12/04/2017 15:33	WG1049339
Vinyl chloride	U		0.000343	0.00118	1	12/04/2017 15:33	WG1049339
Xylenes, Total	U		0.000823	0.00354	1	12/04/2017 15:33	WG1049339
(S) Toluene-d8	*96.1*			*80.0-120*		*12/04/2017 15:33*	WG1049339
(S) Dibromofluoromethane	*106*			*74.0-131*		*12/04/2017 15:33*	WG1049339
(S) 4-Bromofluorobenzene	*93.7*			*64.0-132*		*12/04/2017 15:33*	WG1049339

JC 12/20/17

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

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	89.3		1	12/07/2017 12:28	WG1050630

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.280	1.40	25	12/04/2017 16:51	WG1049339
Acrylonitrile	U		0.0502	0.280	25	12/04/2017 16:51	WG1049339
Benzene	U		0.00756	0.0280	25	12/04/2017 16:51	WG1049339
Bromobenzene	U		0.00796	0.0280	25	12/04/2017 16:51	WG1049339
Bromodichloromethane	U		0.00711	0.0280	25	12/04/2017 16:51	WG1049339
Bromochloromethane	U		0.0109	0.140	25	12/04/2017 16:51	WG1049339
Bromoform	U		0.0119	0.0280	25	12/04/2017 16:51	WG1049339
Bromomethane	U		0.0375	0.140	25	12/04/2017 16:51	WG1049339
n-Butylbenzene	U		0.00723	0.0280	25	12/04/2017 16:51	WG1049339
sec-Butylbenzene	U		0.00562	0.0280	25	12/04/2017 16:51	WG1049339
tert-Butylbenzene	U		0.00577	0.0280	25	12/04/2017 16:51	WG1049339
Carbon disulfide	U		0.00618	0.0280	25	12/04/2017 16:51	WG1049339
Carbon tetrachloride	U		0.00919	0.0280	25	12/04/2017 16:51	WG1049339
Chlorobenzene	U		0.00594	0.0280	25	12/04/2017 16:51	WG1049339
Chlorodibromomethane	U		0.0104	0.0280	25	12/04/2017 16:51	WG1049339
Chloroethane	U		0.0264	0.140	25	12/04/2017 16:51	WG1049339
Chloroform	U		0.00641	0.140	25	12/04/2017 16:51	WG1049339
Chloromethane	U		0.0105	0.0700	25	12/04/2017 16:51	WG1049339
2-Chlorotoluene	U		0.00843	0.0280	25	12/04/2017 16:51	WG1049339
4-Chlorotoluene	U		0.00672	0.0280	25	12/04/2017 16:51	WG1049339
1,2-Dibromo-3-Chloropropane	U		0.0294	0.140	25	12/04/2017 16:51	WG1049339
1,2-Dibromoethane	U		0.00961	0.0280	25	12/04/2017 16:51	WG1049339
Dibromomethane	U		0.0107	0.0280	25	12/04/2017 16:51	WG1049339
1,2-Dichlorobenzene	U		0.00854	0.0280	25	12/04/2017 16:51	WG1049339
1,3-Dichlorobenzene	U		0.00670	0.0280	25	12/04/2017 16:51	WG1049339
1,4-Dichlorobenzene	U		0.00633	0.0280	25	12/04/2017 16:51	WG1049339
Dichlorodifluoromethane	U		0.0199	0.140	25	12/04/2017 16:51	WG1049339
1,1-Dichloroethane	U		0.00558	0.0280	25	12/04/2017 16:51	WG1049339
1,2-Dichloroethane	U		0.00742	0.0280	25	12/04/2017 16:51	WG1049339
1,1-Dichloroethene	U		0.00849	0.0280	25	12/04/2017 16:51	WG1049339
cis-1,2-Dichloroethene	2.18		0.00659	0.0280	25	12/04/2017 16:51	WG1049339
trans-1,2-Dichloroethene	U		0.00739	0.0280	25	12/04/2017 16:51	WG1049339
1,2-Dichloropropane	U		0.0100	0.0280	25	12/04/2017 16:51	WG1049339
1,1-Dichloropropene	U		0.00887	0.0280	25	12/04/2017 16:51	WG1049339
1,3-Dichloropropane	U		0.00580	0.0280	25	12/04/2017 16:51	WG1049339
cis-1,3-Dichloropropene	U		0.00734	0.0280	25	12/04/2017 16:51	WG1049339
trans-1,3-Dichloropropene	U		0.00748	0.0280	25	12/04/2017 16:51	WG1049339
trans-1,4-Dichloro-2-butene	U		0.0217	0.0700	25	12/04/2017 16:51	WG1049339
2,2-Dichloropropane	U		0.00782	0.0280	25	12/04/2017 16:51	WG1049339
Di-isopropyl ether	U		0.00695	0.0280	25	12/04/2017 16:51	WG1049339
Ethylbenzene	U		0.00831	0.0280	25	12/04/2017 16:51	WG1049339
Hexachloro-1,3-butadiene	U		0.00958	0.0280	25	12/04/2017 16:51	WG1049339
2-Hexanone	U		0.0383	0.280	25	12/04/2017 16:51	WG1049339
n-Hexane	U		0.00812	0.280	25	12/04/2017 16:51	WG1049339
Iodomethane	U		0.0708	0.280	25	12/04/2017 16:51	WG1049339
Isopropylbenzene	U		0.00681	0.0280	25	12/04/2017 16:51	WG1049339
p-Isopropyltoluene	U		0.00571	0.0280	25	12/04/2017 16:51	WG1049339
2-Butanone (MEK)	U		0.131	0.280	25	12/04/2017 16:51	WG1049339
Methylene Chloride	U		0.0280	0.140	25	12/04/2017 16:51	WG1049339
4-Methyl-2-pentanone (MIBK)	U		0.0527	0.280	25	12/04/2017 16:51	WG1049339

JC 12/20/17

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.00594	0.0280	25	12/04/2017 16:51	WG1049339
Naphthalene	U		0.0280	0.140	25	12/04/2017 16:51	WG1049339
n-Propylbenzene	U		0.00577	0.0280	25	12/04/2017 16:51	WG1049339
Styrene	U		0.00655	0.0280	25	12/04/2017 16:51	WG1049339
1,1,1,2-Tetrachloroethane	U		0.00739	0.0280	25	12/04/2017 16:51	WG1049339
1,1,2,2-Tetrachloroethane	U		0.0102	0.0280	25	12/04/2017 16:51	WG1049339
1,1,2-Trichlorotrifluoroethane	U		0.0102	0.0280	25	12/04/2017 16:51	WG1049339
Tetrachloroethene	0.438		0.00773	0.0280	25	12/04/2017 16:51	WG1049339
Toluene	U		0.0121	0.140	25	12/04/2017 16:51	WG1049339
1,2,3-Trichlorobenzene	U		0.00857	0.0280	25	12/04/2017 16:51	WG1049339
1,2,4-Trichlorobenzene	U		0.0109	0.0280	25	12/04/2017 16:51	WG1049339
1,1,1-Trichloroethane	U		0.00801	0.0280	25	12/04/2017 16:51	WG1049339
1,1,2-Trichloroethane	U		0.00775	0.0280	25	12/04/2017 16:51	WG1049339
Trichloroethene	0.118		0.00782	0.0280	25	12/04/2017 16:51	WG1049339
Trichlorofluoromethane	U		0.0107	0.140	25	12/04/2017 16:51	WG1049339
1,2,3-Trichloropropane	U		0.0207	0.0700	25	12/04/2017 16:51	WG1049339
1,2,4-Trimethylbenzene	U		0.00592	0.0280	25	12/04/2017 16:51	WG1049339
1,2,3-Trimethylbenzene	U		0.00804	0.0280	25	12/04/2017 16:51	WG1049339
1,3,5-Trimethylbenzene	U		0.00745	0.0280	25	12/04/2017 16:51	WG1049339
Vinyl acetate	U		0.0670	0.280	25	12/04/2017 16:51	WG1049339
Vinyl chloride	0.0114 J	J	0.00816	0.0280	25	12/04/2017 16:51	WG1049339
Xylenes, Total	U		0.0195	0.0840	25	12/04/2017 16:51	WG1049339
(S) Toluene-d8	*106*			*80.0-120*		*12/04/2017 16:51*	WG1049339
(S) Dibromofluoromethane	*96.7*			*74.0-131*		*12/04/2017 16:51*	WG1049339
(S) 4-Bromofluorobenzene	*91.3*			*64.0-132*		*12/04/2017 16:51*	WG1049339

Sample Narrative:

L954694-12 WG1049339: Cannot be analyzed at a lower dilution due to high levels of target analytes.

JC 12/20/17

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	86.2		1	12/07/2017 13:01	WG1050628

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.661	3.31	57	12/06/2017 19:11	WG1049339
Acrylonitrile	U		0.118	0.661	57	12/06/2017 19:11	WG1049339
Benzene	U		0.0179	0.0661	57	12/06/2017 19:11	WG1049339
Bromobenzene	U		0.0188	0.0661	57	12/06/2017 19:11	WG1049339
Bromodichloromethane	U		0.0168	0.0661	57	12/06/2017 19:11	WG1049339
Bromochloromethane	U		0.0258	0.331	57	12/06/2017 19:11	WG1049339
Bromoform	U		0.0281	0.0661	57	12/06/2017 19:11	WG1049339
Bromomethane	U		0.0886	0.331	57	12/06/2017 19:11	WG1049339
n-Butylbenzene	U		0.0171	0.0661	57	12/06/2017 19:11	WG1049339
sec-Butylbenzene	U		0.0132	0.0661	57	12/06/2017 19:11	WG1049339
tert-Butylbenzene	U		0.0136	0.0661	57	12/06/2017 19:11	WG1049339
Carbon disulfide	U		0.0146	0.0661	57	12/06/2017 19:11	WG1049339
Carbon tetrachloride	U		0.0217	0.0661	57	12/06/2017 19:11	WG1049339
Chlorobenzene	U		0.0140	0.0661	57	12/06/2017 19:11	WG1049339
Chlorodibromomethane	U		0.0247	0.0661	57	12/06/2017 19:11	WG1049339
Chloroethane	U		0.0625	0.331	57	12/06/2017 19:11	WG1049339
Chloroform	U		0.0151	0.331	57	12/06/2017 19:11	WG1049339
Chloromethane	U		0.0248	0.165	57	12/06/2017 19:11	WG1049339
2-Chlorotoluene	U		0.0200	0.0661	57	12/06/2017 19:11	WG1049339
4-Chlorotoluene	U		0.0159	0.0661	57	12/06/2017 19:11	WG1049339
1,2-Dibromo-3-Chloropropane	U		0.0694	0.331	57	12/06/2017 19:11	WG1049339
1,2-Dibromoethane	U		0.0227	0.0661	57	12/06/2017 19:11	WG1049339
Dibromomethane	U		0.0253	0.0661	57	12/06/2017 19:11	WG1049339
1,2-Dichlorobenzene	U		0.0202	0.0661	57	12/06/2017 19:11	WG1049339
1,3-Dichlorobenzene	U		0.0158	0.0661	57	12/06/2017 19:11	WG1049339
1,4-Dichlorobenzene	U		0.0150	0.0661	57	12/06/2017 19:11	WG1049339
Dichlorodifluoromethane	U		0.0471	0.331	57	12/06/2017 19:11	WG1049339
1,1-Dichloroethane	U		0.0131	0.0661	57	12/06/2017 19:11	WG1049339
1,2-Dichloroethane	U		0.0175	0.0661	57	12/06/2017 19:11	WG1049339
1,1-Dichloroethene	U		0.0201	0.0661	57	12/06/2017 19:11	WG1049339
cis-1,2-Dichloroethene	0.911		0.0155	0.0661	57	12/06/2017 19:11	WG1049339
trans-1,2-Dichloroethene	U		0.0174	0.0661	57	12/06/2017 19:11	WG1049339
1,2-Dichloropropane	U		0.0237	0.0661	57	12/06/2017 19:11	WG1049339
1,1-Dichloropropene	U		0.0210	0.0661	57	12/06/2017 19:11	WG1049339
1,3-Dichloropropane	U		0.0137	0.0661	57	12/06/2017 19:11	WG1049339
cis-1,3-Dichloropropene	U		0.0173	0.0661	57	12/06/2017 19:11	WG1049339
trans-1,3-Dichloropropene	U		0.0176	0.0661	57	12/06/2017 19:11	WG1049339
trans-1,4-Dichloro-2-butene	U		0.0514	0.165	57	12/06/2017 19:11	WG1049339
2,2-Dichloropropane	U		0.0184	0.0661	57	12/06/2017 19:11	WG1049339
Di-isopropyl ether	U		0.0164	0.0661	57	12/06/2017 19:11	WG1049339
Ethylbenzene	U		0.0196	0.0661	57	12/06/2017 19:11	WG1049339
Hexachloro-1,3-butadiene	U		0.0226	0.0661	57	12/06/2017 19:11	WG1049339
2-Hexanone	U		0.0906	0.661	57	12/06/2017 19:11	WG1049339
n-Hexane	0.0214 J	J	0.0191	0.661	57	12/06/2017 19:11	WG1049339
Iodomethane	U		0.167	0.661	57	12/06/2017 19:11	WG1049339
Isopropylbenzene	U		0.0160	0.0661	57	12/06/2017 19:11	WG1049339
p-Isopropyltoluene	U		0.0135	0.0661	57	12/06/2017 19:11	WG1049339
2-Butanone (MEK)	U		0.310	0.661	57	12/06/2017 19:11	WG1049339
Methylene Chloride	U		0.0661	0.331	57	12/06/2017 19:11	WG1049339
4-Methyl-2-pentanone (MIBK)	U		0.124	0.661	57	12/06/2017 19:11	WG1049339

JC 12/20/17

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.0140	0.0661	57	12/06/2017 19:11	WG1049339
Naphthalene	U		0.0661	0.331	57	12/06/2017 19:11	WG1049339
n-Propylbenzene	U		0.0136	0.0661	57	12/06/2017 19:11	WG1049339
Styrene	U		0.0154	0.0661	57	12/06/2017 19:11	WG1049339
1,1,1,2-Tetrachloroethane	U		0.0174	0.0661	57	12/06/2017 19:11	WG1049339
1,1,2,2-Tetrachloroethane	U		0.0241	0.0661	57	12/06/2017 19:11	WG1049339
1,1,2-Trichlorotrifluoroethane	U		0.0241	0.0661	57	12/06/2017 19:11	WG1049339
Tetrachloroethene	0.728		0.0182	0.0661	57	12/06/2017 19:11	WG1049339
Toluene	U		0.0287	0.331	57	12/06/2017 19:11	WG1049339
1,2,3-Trichlorobenzene	U		0.0202	0.0661	57	12/06/2017 19:11	WG1049339
1,2,4-Trichlorobenzene	U		0.0256	0.0661	57	12/06/2017 19:11	WG1049339
1,1,1-Trichloroethane	U		0.0189	0.0661	57	12/06/2017 19:11	WG1049339
1,1,2-Trichloroethane	U		0.0183	0.0661	57	12/06/2017 19:11	WG1049339
Trichloroethene	0.180		0.0184	0.0661	57	12/06/2017 19:11	WG1049339
Trichlorofluoromethane	U		0.0253	0.331	57	12/06/2017 19:11	WG1049339
1,2,3-Trichloropropane	U		0.0490	0.165	57	12/06/2017 19:11	WG1049339
1,2,4-Trimethylbenzene	U		0.0139	0.0661	57	12/06/2017 19:11	WG1049339
1,2,3-Trimethylbenzene	U		0.0190	0.0661	57	12/06/2017 19:11	WG1049339
1,3,5-Trimethylbenzene	U		0.0176	0.0661	57	12/06/2017 19:11	WG1049339
Vinyl acetate	U		0.158	0.661	57	12/06/2017 19:11	WG1049339
Vinyl chloride	0.0458 J	J	0.0193	0.0661	57	12/06/2017 19:11	WG1049339
Xylenes, Total	U		0.0462	0.198	57	12/06/2017 19:11	WG1049339
(S) Toluene-d8	*105*			*80.0-120*		*12/06/2017 19:11*	WG1049339
(S) Dibromofluoromethane	*98.9*			*74.0-131*		*12/06/2017 19:11*	WG1049339
(S) 4-Bromofluorobenzene	*91.6*			*64.0-132*		*12/06/2017 19:11*	WG1049339

Sample Narrative:

L954694-13 WG1049339: Cannot be analyzed at a lower dilution due to high levels of target analytes.

JC 12/20/17

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

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	86.1		1	12/07/2017 13:01	WG1050628

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0116	0.0581	1	12/06/2017 17:40	WG1049339
Acrylonitrile	U		0.00208	0.0116	1	12/06/2017 17:40	WG1049339
Benzene	U		0.000314	0.00116	1	12/06/2017 17:40	WG1049339
Bromobenzene	U		0.000330	0.00116	1	12/06/2017 17:40	WG1049339
Bromodichloromethane	U		0.000295	0.00116	1	12/06/2017 17:40	WG1049339
Bromochloromethane	U		0.000453	0.00581	1	12/06/2017 17:40	WG1049339
Bromoform	U		0.000492	0.00116	1	12/06/2017 17:40	WG1049339
Bromomethane	U		0.00156	0.00581	1	12/06/2017 17:40	WG1049339
n-Butylbenzene	U		0.000300	0.00116	1	12/06/2017 17:40	WG1049339
sec-Butylbenzene	U		0.000233	0.00116	1	12/06/2017 17:40	WG1049339
tert-Butylbenzene	U		0.000239	0.00116	1	12/06/2017 17:40	WG1049339
Carbon disulfide	0.000687 J	J	0.000257	0.00116	1	12/06/2017 17:40	WG1049339
Carbon tetrachloride	U		0.000381	0.00116	1	12/06/2017 17:40	WG1049339
Chlorobenzene	U		0.000246	0.00116	1	12/06/2017 17:40	WG1049339
Chlorodibromomethane	U		0.000433	0.00116	1	12/06/2017 17:40	WG1049339
Chloroethane	0.00193 J	J	0.00110	0.00581	1	12/06/2017 17:40	WG1049339
Chloroform	U		0.000266	0.00581	1	12/06/2017 17:40	WG1049339
Chloromethane	U		0.000435	0.00290	1	12/06/2017 17:40	WG1049339
2-Chlorotoluene	U		0.000350	0.00116	1	12/06/2017 17:40	WG1049339
4-Chlorotoluene	U		0.000279	0.00116	1	12/06/2017 17:40	WG1049339
1,2-Dibromo-3-Chloropropane	U		0.00122	0.00581	1	12/06/2017 17:40	WG1049339
1,2-Dibromoethane	U		0.000398	0.00116	1	12/06/2017 17:40	WG1049339
Dibromomethane	U		0.000444	0.00116	1	12/06/2017 17:40	WG1049339
1,2-Dichlorobenzene	U		0.000354	0.00116	1	12/06/2017 17:40	WG1049339
1,3-Dichlorobenzene	U		0.000278	0.00116	1	12/06/2017 17:40	WG1049339
1,4-Dichlorobenzene	U		0.000262	0.00116	1	12/06/2017 17:40	WG1049339
Dichlorodifluoromethane	U		0.000828	0.00581	1	12/06/2017 17:40	WG1049339
1,1-Dichloroethane	U		0.000231	0.00116	1	12/06/2017 17:40	WG1049339
1,2-Dichloroethane	U		0.000308	0.00116	1	12/06/2017 17:40	WG1049339
1,1-Dichloroethene	0.000948 J	J	0.000352	0.00116	1	12/06/2017 17:40	WG1049339
cis-1,2-Dichloroethene	0.122		0.000273	0.00116	1	12/06/2017 17:40	WG1049339
trans-1,2-Dichloroethene	0.000898 J	J	0.000307	0.00116	1	12/06/2017 17:40	WG1049339
1,2-Dichloropropane	U		0.000416	0.00116	1	12/06/2017 17:40	WG1049339
1,1-Dichloropropene	U		0.000368	0.00116	1	12/06/2017 17:40	WG1049339
1,3-Dichloropropane	U		0.000240	0.00116	1	12/06/2017 17:40	WG1049339
cis-1,3-Dichloropropene	U		0.000304	0.00116	1	12/06/2017 17:40	WG1049339
trans-1,3-Dichloropropene	U		0.000310	0.00116	1	12/06/2017 17:40	WG1049339
trans-1,4-Dichloro-2-butene	U		0.000903	0.00290	1	12/06/2017 17:40	WG1049339
2,2-Dichloropropane	U		0.000324	0.00116	1	12/06/2017 17:40	WG1049339
Di-isopropyl ether	U		0.000288	0.00116	1	12/06/2017 17:40	WG1049339
Ethylbenzene	U		0.000345	0.00116	1	12/06/2017 17:40	WG1049339
Hexachloro-1,3-butadiene	U		0.000397	0.00116	1	12/06/2017 17:40	WG1049339
2-Hexanone	U		0.00159	0.0116	1	12/06/2017 17:40	WG1049339
n-Hexane	0.00165 J	J	0.000337	0.0116	1	12/06/2017 17:40	WG1049339
Iodomethane	U		0.00294	0.0116	1	12/06/2017 17:40	WG1049339
Isopropylbenzene	U		0.000282	0.00116	1	12/06/2017 17:40	WG1049339
p-Isopropyltoluene	U		0.000237	0.00116	1	12/06/2017 17:40	WG1049339
2-Butanone (MEK)	0.00630 J	J	0.00543	0.0116	1	12/06/2017 17:40	WG1049339
Methylene Chloride	U		0.00116	0.00581	1	12/06/2017 17:40	WG1049339
4-Methyl-2-pentanone (MIBK)	U		0.00218	0.0116	1	12/06/2017 17:40	WG1049339

JC 12/20/17

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

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000246	0.00116	1	12/06/2017 17:40	WG1049339
Naphthalene	U		0.00116	0.00581	1	12/06/2017 17:40	WG1049339
n-Propylbenzene	U		0.000239	0.00116	1	12/06/2017 17:40	WG1049339
Styrene	U		0.000272	0.00116	1	12/06/2017 17:40	WG1049339
1,1,1,2-Tetrachloroethane	U		0.000307	0.00116	1	12/06/2017 17:40	WG1049339
1,1,2,2-Tetrachloroethane	U		0.000424	0.00116	1	12/06/2017 17:40	WG1049339
1,1,2-Trichlorotrifluoroethane	U		0.000424	0.00116	1	12/06/2017 17:40	WG1049339
Tetrachloroethene	0.119		0.000321	0.00116	1	12/06/2017 17:40	WG1049339
Toluene	U		0.000504	0.00581	1	12/06/2017 17:40	WG1049339
1,2,3-Trichlorobenzene	U		0.000355	0.00116	1	12/06/2017 17:40	WG1049339
1,2,4-Trichlorobenzene	U		0.000451	0.00116	1	12/06/2017 17:40	WG1049339
1,1,1-Trichloroethane	U		0.000332	0.00116	1	12/06/2017 17:40	WG1049339
1,1,2-Trichloroethane	U		0.000322	0.00116	1	12/06/2017 17:40	WG1049339
Trichloroethene	0.0177		0.000324	0.00116	1	12/06/2017 17:40	WG1049339
Trichlorofluoromethane	U		0.000444	0.00581	1	12/06/2017 17:40	WG1049339
1,2,3-Trichloropropane	U		0.000860	0.00290	1	12/06/2017 17:40	WG1049339
1,2,4-Trimethylbenzene	U		0.000245	0.00116	1	12/06/2017 17:40	WG1049339
1,2,3-Trimethylbenzene	U		0.000333	0.00116	1	12/06/2017 17:40	WG1049339
1,3,5-Trimethylbenzene	U		0.000309	0.00116	1	12/06/2017 17:40	WG1049339
Vinyl acetate	U		0.00278	0.0116	1	12/06/2017 17:40	WG1049339
Vinyl chloride	0.00996		0.000338	0.00116	1	12/06/2017 17:40	WG1049339
Xylenes, Total	U		0.000811	0.00348	1	12/06/2017 17:40	WG1049339
(S) Toluene-d8	*97.1*			*80.0-120*		*12/06/2017 17:40*	WG1049339
(S) Dibromofluoromethane	*107*			*74.0-131*		*12/06/2017 17:40*	WG1049339
(S) 4-Bromofluorobenzene	*92.2*			*64.0-132*		*12/06/2017 17:40*	WG1049339

JC 12/20/17

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	88.7		1	12/07/2017 13:13	WG1050624

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0564	1	12/04/2017 16:32	WG1049339
Acrylonitrile	U		0.00202	0.0113	1	12/04/2017 16:32	WG1049339
Benzene	U		0.000305	0.00113	1	12/04/2017 16:32	WG1049339
Bromobenzene	U		0.000320	0.00113	1	12/04/2017 16:32	WG1049339
Bromodichloromethane	U		0.000287	0.00113	1	12/04/2017 16:32	WG1049339
Bromochloromethane	U		0.000440	0.00564	1	12/04/2017 16:32	WG1049339
Bromoform	U		0.000478	0.00113	1	12/04/2017 16:32	WG1049339
Bromomethane	U		0.00151	0.00564	1	12/04/2017 16:32	WG1049339
n-Butylbenzene	U		0.000291	0.00113	1	12/04/2017 16:32	WG1049339
sec-Butylbenzene	U		0.000227	0.00113	1	12/04/2017 16:32	WG1049339
tert-Butylbenzene	U		0.000232	0.00113	1	12/04/2017 16:32	WG1049339
Carbon disulfide	U		0.000249	0.00113	1	12/04/2017 16:32	WG1049339
Carbon tetrachloride	U		0.000370	0.00113	1	12/04/2017 16:32	WG1049339
Chlorobenzene	U		0.000239	0.00113	1	12/04/2017 16:32	WG1049339
Chlorodibromomethane	U		0.000421	0.00113	1	12/04/2017 16:32	WG1049339
Chloroethane	U		0.00107	0.00564	1	12/04/2017 16:32	WG1049339
Chloroform	U		0.000258	0.00564	1	12/04/2017 16:32	WG1049339
Chloromethane	U		0.000423	0.00282	1	12/04/2017 16:32	WG1049339
2-Chlorotoluene	U		0.000340	0.00113	1	12/04/2017 16:32	WG1049339
4-Chlorotoluene	U		0.000271	0.00113	1	12/04/2017 16:32	WG1049339
1,2-Dibromo-3-Chloropropane	U		0.00118	0.00564	1	12/04/2017 16:32	WG1049339
1,2-Dibromoethane	U		0.000387	0.00113	1	12/04/2017 16:32	WG1049339
Dibromomethane	U		0.000431	0.00113	1	12/04/2017 16:32	WG1049339
1,2-Dichlorobenzene	U		0.000344	0.00113	1	12/04/2017 16:32	WG1049339
1,3-Dichlorobenzene	U		0.000270	0.00113	1	12/04/2017 16:32	WG1049339
1,4-Dichlorobenzene	U		0.000255	0.00113	1	12/04/2017 16:32	WG1049339
Dichlorodifluoromethane	U		0.000804	0.00564	1	12/04/2017 16:32	WG1049339
1,1-Dichloroethane	U		0.000224	0.00113	1	12/04/2017 16:32	WG1049339
1,2-Dichloroethane	U		0.000299	0.00113	1	12/04/2017 16:32	WG1049339
1,1-Dichloroethene	U		0.000342	0.00113	1	12/04/2017 16:32	WG1049339
cis-1,2-Dichloroethene	0.00245		0.000265	0.00113	1	12/04/2017 16:32	WG1049339
trans-1,2-Dichloroethene	U		0.000298	0.00113	1	12/04/2017 16:32	WG1049339
1,2-Dichloropropane	U		0.000404	0.00113	1	12/04/2017 16:32	WG1049339
1,1-Dichloropropene	U		0.000358	0.00113	1	12/04/2017 16:32	WG1049339
1,3-Dichloropropane	U		0.000233	0.00113	1	12/04/2017 16:32	WG1049339
cis-1,3-Dichloropropene	U		0.000296	0.00113	1	12/04/2017 16:32	WG1049339
trans-1,3-Dichloropropene	U		0.000301	0.00113	1	12/04/2017 16:32	WG1049339
trans-1,4-Dichloro-2-butene	U		0.000878	0.00282	1	12/04/2017 16:32	WG1049339
2,2-Dichloropropane	U		0.000315	0.00113	1	12/04/2017 16:32	WG1049339
Di-isopropyl ether	U		0.000280	0.00113	1	12/04/2017 16:32	WG1049339
Ethylbenzene	U		0.000335	0.00113	1	12/04/2017 16:32	WG1049339
Hexachloro-1,3-butadiene	U		0.000386	0.00113	1	12/04/2017 16:32	WG1049339
2-Hexanone	U		0.00155	0.0113	1	12/04/2017 16:32	WG1049339
n-Hexane	U		0.000327	0.0113	1	12/04/2017 16:32	WG1049339
Iodomethane	U		0.00285	0.0113	1	12/04/2017 16:32	WG1049339
Isopropylbenzene	U		0.000274	0.00113	1	12/04/2017 16:32	WG1049339
p-Isopropyltoluene	U		0.000230	0.00113	1	12/04/2017 16:32	WG1049339
2-Butanone (MEK)	U		0.00528	0.0113	1	12/04/2017 16:32	WG1049339
Methylene Chloride	U		0.00113	0.00564	1	12/04/2017 16:32	WG1049339
4-Methyl-2-pentanone (MIBK)	U		0.00212	0.0113	1	12/04/2017 16:32	WG1049339

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000239	0.00113	1	12/04/2017 16:32	WG1049339
Naphthalene	U		0.00113	0.00564	1	12/04/2017 16:32	WG1049339
n-Propylbenzene	U		0.000232	0.00113	1	12/04/2017 16:32	WG1049339
Styrene	U		0.000264	0.00113	1	12/04/2017 16:32	WG1049339
1,1,1,2-Tetrachloroethane	U		0.000298	0.00113	1	12/04/2017 16:32	WG1049339
1,1,2,2-Tetrachloroethane	U		0.000412	0.00113	1	12/04/2017 16:32	WG1049339
1,1,2-Trichlorotrifluoroethane	U		0.000412	0.00113	1	12/04/2017 16:32	WG1049339
Tetrachloroethene	0.0182		0.000311	0.00113	1	12/04/2017 16:32	WG1049339
Toluene	U		0.000490	0.00564	1	12/04/2017 16:32	WG1049339
1,2,3-Trichlorobenzene	U		0.000345	0.00113	1	12/04/2017 16:32	WG1049339
1,2,4-Trichlorobenzene	U		0.000438	0.00113	1	12/04/2017 16:32	WG1049339
1,1,1-Trichloroethane	U		0.000323	0.00113	1	12/04/2017 16:32	WG1049339
1,1,2-Trichloroethane	U		0.000312	0.00113	1	12/04/2017 16:32	WG1049339
Trichloroethene	0.00140		0.000315	0.00113	1	12/04/2017 16:32	WG1049339
Trichlorofluoromethane	U		0.000431	0.00564	1	12/04/2017 16:32	WG1049339
1,2,3-Trichloropropane	U		0.000836	0.00282	1	12/04/2017 16:32	WG1049339
1,2,4-Trimethylbenzene	U		0.000238	0.00113	1	12/04/2017 16:32	WG1049339
1,2,3-Trimethylbenzene	U		0.000324	0.00113	1	12/04/2017 16:32	WG1049339
1,3,5-Trimethylbenzene	U		0.000300	0.00113	1	12/04/2017 16:32	WG1049339
Vinyl acetate	U		0.00270	0.0113	1	12/04/2017 16:32	WG1049339
Vinyl chloride	0.00142		0.000328	0.00113	1	12/04/2017 16:32	WG1049339
Xylenes, Total	U		0.000787	0.00338	1	12/04/2017 16:32	WG1049339
(S) Toluene-d8	*96.9*			*80.0-120*		*12/04/2017 16:32*	WG1049339
(S) Dibromofluoromethane	*108*			*74.0-131*		*12/04/2017 16:32*	WG1049339
(S) 4-Bromofluorobenzene	*93.2*			*64.0-132*		*12/04/2017 16:32*	WG1049339

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

JC 12/20/17

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	88.2		1	12/07/2017 12:28	WG1050630

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0567	1	12/04/2017 14:43	WG1049340
Acrylonitrile	U		0.00203	0.0113	1	12/04/2017 14:43	WG1049340
Benzene	U		0.000306	0.00113	1	12/04/2017 14:43	WG1049340
Bromobenzene	U		0.000322	0.00113	1	12/04/2017 14:43	WG1049340
Bromodichloromethane	U		0.000288	0.00113	1	12/04/2017 14:43	WG1049340
Bromochloromethane	U		0.000442	0.00567	1	12/04/2017 14:43	WG1049340
Bromoform	U		0.000481	0.00113	1	12/04/2017 14:43	WG1049340
Bromomethane	U		0.00152	0.00567	1	12/04/2017 14:43	WG1049340
n-Butylbenzene	U		0.000293	0.00113	1	12/04/2017 14:43	WG1049340
sec-Butylbenzene	U		0.000228	0.00113	1	12/04/2017 14:43	WG1049340
tert-Butylbenzene	U		0.000234	0.00113	1	12/04/2017 14:43	WG1049340
Carbon disulfide	0.000409 J	J	0.000251	0.00113	1	12/04/2017 14:43	WG1049340
Carbon tetrachloride	U		0.000372	0.00113	1	12/04/2017 14:43	WG1049340
Chlorobenzene	U		0.000240	0.00113	1	12/04/2017 14:43	WG1049340
Chlorodibromomethane	U		0.000423	0.00113	1	12/04/2017 14:43	WG1049340
Chloroethane	U		0.00107	0.00567	1	12/04/2017 14:43	WG1049340
Chloroform	U		0.000260	0.00567	1	12/04/2017 14:43	WG1049340
Chloromethane	U		0.000425	0.00283	1	12/04/2017 14:43	WG1049340
2-Chlorotoluene	U		0.000341	0.00113	1	12/04/2017 14:43	WG1049340
4-Chlorotoluene	U		0.000272	0.00113	1	12/04/2017 14:43	WG1049340
1,2-Dibromo-3-Chloropropane	U		0.00119	0.00567	1	12/04/2017 14:43	WG1049340
1,2-Dibromoethane	U		0.000389	0.00113	1	12/04/2017 14:43	WG1049340
Dibromomethane	U		0.000433	0.00113	1	12/04/2017 14:43	WG1049340
1,2-Dichlorobenzene	U		0.000346	0.00113	1	12/04/2017 14:43	WG1049340
1,3-Dichlorobenzene	U		0.000271	0.00113	1	12/04/2017 14:43	WG1049340
1,4-Dichlorobenzene	U		0.000256	0.00113	1	12/04/2017 14:43	WG1049340
Dichlorodifluoromethane	U		0.000809	0.00567	1	12/04/2017 14:43	WG1049340
1,1-Dichloroethane	U		0.000226	0.00113	1	12/04/2017 14:43	WG1049340
1,2-Dichloroethane	U		0.000301	0.00113	1	12/04/2017 14:43	WG1049340
1,1-Dichloroethene	U		0.000344	0.00113	1	12/04/2017 14:43	WG1049340
cis-1,2-Dichloroethene	0.0441		0.000266	0.00113	1	12/04/2017 14:43	WG1049340
trans-1,2-Dichloroethene	0.000664 J	J	0.000299	0.00113	1	12/04/2017 14:43	WG1049340
1,2-Dichloropropane	U		0.000406	0.00113	1	12/04/2017 14:43	WG1049340
1,1-Dichloropropene	U		0.000359	0.00113	1	12/04/2017 14:43	WG1049340
1,3-Dichloropropane	U		0.000235	0.00113	1	12/04/2017 14:43	WG1049340
cis-1,3-Dichloropropene	U		0.000297	0.00113	1	12/04/2017 14:43	WG1049340
trans-1,3-Dichloropropene	U		0.000303	0.00113	1	12/04/2017 14:43	WG1049340
trans-1,4-Dichloro-2-butene	U		0.000882	0.00283	1	12/04/2017 14:43	WG1049340
2,2-Dichloropropane	U		0.000316	0.00113	1	12/04/2017 14:43	WG1049340
Di-isopropyl ether	U		0.000281	0.00113	1	12/04/2017 14:43	WG1049340
Ethylbenzene	U		0.000337	0.00113	1	12/04/2017 14:43	WG1049340
Hexachloro-1,3-butadiene	U		0.000388	0.00113	1	12/04/2017 14:43	WG1049340
2-Hexanone	U		0.00155	0.0113	1	12/04/2017 14:43	WG1049340
n-Hexane	U		0.000329	0.0113	1	12/04/2017 14:43	WG1049340
Iodomethane	U		0.00287	0.0113	1	12/04/2017 14:43	WG1049340
Isopropylbenzene	U		0.000276	0.00113	1	12/04/2017 14:43	WG1049340
p-Isopropyltoluene	U		0.000231	0.00113	1	12/04/2017 14:43	WG1049340
2-Butanone (MEK)	0.00640 J	J	0.00531	0.0113	1	12/04/2017 14:43	WG1049340
Methylene Chloride	U		0.00113	0.00567	1	12/04/2017 14:43	WG1049340
4-Methyl-2-pentanone (MIBK)	U		0.00213	0.0113	1	12/04/2017 14:43	WG1049340

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B-231-36

Collected date/time: 11/30/17 14:45

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000240	0.00113	1	12/04/2017 14:43	WG1049340
Naphthalene	U		0.00113	0.00567	1	12/04/2017 14:43	WG1049340
n-Propylbenzene	U		0.000234	0.00113	1	12/04/2017 14:43	WG1049340
Styrene	U		0.000265	0.00113	1	12/04/2017 14:43	WG1049340
1,1,1,2-Tetrachloroethane	U		0.000299	0.00113	1	12/04/2017 14:43	WG1049340
1,1,2,2-Tetrachloroethane	U		0.000414	0.00113	1	12/04/2017 14:43	WG1049340
1,1,2-Trichlorotrifluoroethane	U		0.000414	0.00113	1	12/04/2017 14:43	WG1049340
Tetrachloroethene	0.0521		0.000313	0.00113	1	12/04/2017 14:43	WG1049340
Toluene	U		0.000492	0.00567	1	12/04/2017 14:43	WG1049340
1,2,3-Trichlorobenzene	U		0.000347	0.00113	1	12/04/2017 14:43	WG1049340
1,2,4-Trichlorobenzene	U		0.000440	0.00113	1	12/04/2017 14:43	WG1049340
1,1,1-Trichloroethane	U		0.000324	0.00113	1	12/04/2017 14:43	WG1049340
1,1,2-Trichloroethane	U		0.000314	0.00113	1	12/04/2017 14:43	WG1049340
Trichloroethene	0.00158		0.000316	0.00113	1	12/04/2017 14:43	WG1049340
Trichlorofluoromethane	U		0.000433	0.00567	1	12/04/2017 14:43	WG1049340
1,2,3-Trichloropropane	U		0.000840	0.00283	1	12/04/2017 14:43	WG1049340
1,2,4-Trimethylbenzene	U		0.000239	0.00113	1	12/04/2017 14:43	WG1049340
1,2,3-Trimethylbenzene	U		0.000325	0.00113	1	12/04/2017 14:43	WG1049340
1,3,5-Trimethylbenzene	U		0.000302	0.00113	1	12/04/2017 14:43	WG1049340
Vinyl acetate	U		0.00271	0.0113	1	12/04/2017 14:43	WG1049340
Vinyl chloride	0.118		0.000330	0.00113	1	12/04/2017 14:43	WG1049340
Xylenes, Total	U		0.000792	0.00340	1	12/04/2017 14:43	WG1049340
(S) Toluene-d8	*92.1*			*80.0-120*		*12/04/2017 14:43*	WG1049340
(S) Dibromofluoromethane	*113*			*74.0-131*		*12/04/2017 14:43*	WG1049340
(S) 4-Bromofluorobenzene	*107*			*64.0-132*		*12/04/2017 14:43*	WG1049340

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

JC 12/20/17

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

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	84.7		1	12/07/2017 10:59	WG1050634

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

Analyte	Result (dry) mg/kg		Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.0263	J	J	0.0118	0.0590	1	12/04/2017 15:03	WG1049340
Acrylonitrile	U			0.00211	0.0118	1	12/04/2017 15:03	WG1049340
Benzene	0.000380	J	J	0.000319	0.00118	1	12/04/2017 15:03	WG1049340
Bromobenzene	U			0.000335	0.00118	1	12/04/2017 15:03	WG1049340
Bromodichloromethane	U			0.000300	0.00118	1	12/04/2017 15:03	WG1049340
Bromochloromethane	U			0.000460	0.00590	1	12/04/2017 15:03	WG1049340
Bromoform	U			0.000501	0.00118	1	12/04/2017 15:03	WG1049340
Bromomethane	U			0.00158	0.00590	1	12/04/2017 15:03	WG1049340
n-Butylbenzene	U			0.000305	0.00118	1	12/04/2017 15:03	WG1049340
sec-Butylbenzene	U			0.000237	0.00118	1	12/04/2017 15:03	WG1049340
tert-Butylbenzene	U			0.000243	0.00118	1	12/04/2017 15:03	WG1049340
Carbon disulfide	0.00105	J	J	0.000261	0.00118	1	12/04/2017 15:03	WG1049340
Carbon tetrachloride	U			0.000387	0.00118	1	12/04/2017 15:03	WG1049340
Chlorobenzene	U			0.000250	0.00118	1	12/04/2017 15:03	WG1049340
Chlorodibromomethane	U			0.000440	0.00118	1	12/04/2017 15:03	WG1049340
Chloroethane	U			0.00112	0.00590	1	12/04/2017 15:03	WG1049340
Chloroform	U			0.000270	0.00590	1	12/04/2017 15:03	WG1049340
Chloromethane	U			0.000443	0.00295	1	12/04/2017 15:03	WG1049340
2-Chlorotoluene	U			0.000355	0.00118	1	12/04/2017 15:03	WG1049340
4-Chlorotoluene	U			0.000283	0.00118	1	12/04/2017 15:03	WG1049340
1,2-Dibromo-3-Chloropropane	U			0.00124	0.00590	1	12/04/2017 15:03	WG1049340
1,2-Dibromoethane	U			0.000405	0.00118	1	12/04/2017 15:03	WG1049340
Dibromomethane	U			0.000451	0.00118	1	12/04/2017 15:03	WG1049340
1,2-Dichlorobenzene	U			0.000360	0.00118	1	12/04/2017 15:03	WG1049340
1,3-Dichlorobenzene	U			0.000282	0.00118	1	12/04/2017 15:03	WG1049340
1,4-Dichlorobenzene	U			0.000267	0.00118	1	12/04/2017 15:03	WG1049340
Dichlorodifluoromethane	U			0.000842	0.00590	1	12/04/2017 15:03	WG1049340
1,1-Dichloroethane	U			0.000235	0.00118	1	12/04/2017 15:03	WG1049340
1,2-Dichloroethane	U			0.000313	0.00118	1	12/04/2017 15:03	WG1049340
1,1-Dichloroethene	U			0.000358	0.00118	1	12/04/2017 15:03	WG1049340
cis-1,2-Dichloroethene	0.00586			0.000277	0.00118	1	12/04/2017 15:03	WG1049340
trans-1,2-Dichloroethene	0.000488	J	J	0.000312	0.00118	1	12/04/2017 15:03	WG1049340
1,2-Dichloropropane	U			0.000423	0.00118	1	12/04/2017 15:03	WG1049340
1,1-Dichloropropene	U			0.000374	0.00118	1	12/04/2017 15:03	WG1049340
1,3-Dichloropropane	U			0.000244	0.00118	1	12/04/2017 15:03	WG1049340
cis-1,3-Dichloropropene	U			0.000309	0.00118	1	12/04/2017 15:03	WG1049340
trans-1,3-Dichloropropene	U			0.000315	0.00118	1	12/04/2017 15:03	WG1049340
trans-1,4-Dichloro-2-butene	U			0.000919	0.00295	1	12/04/2017 15:03	WG1049340
2,2-Dichloropropane	U			0.000329	0.00118	1	12/04/2017 15:03	WG1049340
Di-isopropyl ether	U			0.000293	0.00118	1	12/04/2017 15:03	WG1049340
Ethylbenzene	U			0.000351	0.00118	1	12/04/2017 15:03	WG1049340
Hexachloro-1,3-butadiene	U			0.000404	0.00118	1	12/04/2017 15:03	WG1049340
2-Hexanone	U			0.00162	0.0118	1	12/04/2017 15:03	WG1049340
n-Hexane	0.000870	J	J	0.000342	0.0118	1	12/04/2017 15:03	WG1049340
Iodomethane	U			0.00299	0.0118	1	12/04/2017 15:03	WG1049340
Isopropylbenzene	U			0.000287	0.00118	1	12/04/2017 15:03	WG1049340
p-Isopropyltoluene	0.00115	J	J	0.000241	0.00118	1	12/04/2017 15:03	WG1049340
2-Butanone (MEK)	0.00951	J	J	0.00553	0.0118	1	12/04/2017 15:03	WG1049340
Methylene Chloride	U			0.00118	0.00590	1	12/04/2017 15:03	WG1049340
4-Methyl-2-pentanone (MIBK)	U			0.00222	0.0118	1	12/04/2017 15:03	WG1049340

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000250	0.00118	1	12/04/2017 15:03	WG1049340
Naphthalene	U		0.00118	0.00590	1	12/04/2017 15:03	WG1049340
n-Propylbenzene	U		0.000243	0.00118	1	12/04/2017 15:03	WG1049340
Styrene	U		0.000276	0.00118	1	12/04/2017 15:03	WG1049340
1,1,1,2-Tetrachloroethane	U		0.000312	0.00118	1	12/04/2017 15:03	WG1049340
1,1,2,2-Tetrachloroethane	U		0.000431	0.00118	1	12/04/2017 15:03	WG1049340
1,1,2-Trichlorotrifluoroethane	U		0.000431	0.00118	1	12/04/2017 15:03	WG1049340
Tetrachloroethene	0.00936		0.000326	0.00118	1	12/04/2017 15:03	WG1049340
Toluene	0.00268 J	J	0.000512	0.00590	1	12/04/2017 15:03	WG1049340
1,2,3-Trichlorobenzene	U		0.000361	0.00118	1	12/04/2017 15:03	WG1049340
1,2,4-Trichlorobenzene	U		0.000458	0.00118	1	12/04/2017 15:03	WG1049340
1,1,1-Trichloroethane	U		0.000338	0.00118	1	12/04/2017 15:03	WG1049340
1,1,2-Trichloroethane	U		0.000327	0.00118	1	12/04/2017 15:03	WG1049340
Trichloroethene	0.00224		0.000329	0.00118	1	12/04/2017 15:03	WG1049340
Trichlorofluoromethane	U		0.000451	0.00590	1	12/04/2017 15:03	WG1049340
1,2,3-Trichloropropane	U		0.000875	0.00295	1	12/04/2017 15:03	WG1049340
1,2,4-Trimethylbenzene	0.000571 J	J	0.000249	0.00118	1	12/04/2017 15:03	WG1049340
1,2,3-Trimethylbenzene	0.000734 J	J	0.000339	0.00118	1	12/04/2017 15:03	WG1049340
1,3,5-Trimethylbenzene	U		0.000314	0.00118	1	12/04/2017 15:03	WG1049340
Vinyl acetate	U		0.00282	0.0118	1	12/04/2017 15:03	WG1049340
Vinyl chloride	0.00163		0.000344	0.00118	1	12/04/2017 15:03	WG1049340
Xylenes, Total	0.000825 J	J	0.000824	0.00354	1	12/04/2017 15:03	WG1049340
(S) Toluene-d8	*97.5*			*80.0-120*		*12/04/2017 15:03*	WG1049340
(S) Dibromofluoromethane	*116*			*74.0-131*		*12/04/2017 15:03*	WG1049340
(S) 4-Bromofluorobenzene	*115*			*64.0-132*		*12/04/2017 15:03*	WG1049340

JC 12/20/17

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	75.2		1	12/07/2017 13:13	WG1050624

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

Analyte	Result (dry) mg/kg		Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.0206	J+	J V3	0.0133	0.0665	1	12/05/2017 15:28	WG1049340
Acrylonitrile	U			0.00238	0.0133	1	12/05/2017 15:28	WG1049340
Benzene	0.000630	J+	J V3	0.000359	0.00133	1	12/05/2017 15:28	WG1049340
Bromobenzene	U			0.000378	0.00133	1	12/05/2017 15:28	WG1049340
Bromodichloromethane	U			0.000338	0.00133	1	12/05/2017 15:28	WG1049340
Bromochloromethane	U			0.000519	0.00665	1	12/05/2017 15:28	WG1049340
Bromoform	U			0.000564	0.00133	1	12/05/2017 15:28	WG1049340
Bromomethane	U			0.00178	0.00665	1	12/05/2017 15:28	WG1049340
n-Butylbenzene	U			0.000343	0.00133	1	12/05/2017 15:28	WG1049340
sec-Butylbenzene	U			0.000267	0.00133	1	12/05/2017 15:28	WG1049340
tert-Butylbenzene	U			0.000274	0.00133	1	12/05/2017 15:28	WG1049340
Carbon disulfide	0.00310	J+	V3	0.000294	0.00133	1	12/05/2017 15:28	WG1049340
Carbon tetrachloride	U			0.000436	0.00133	1	12/05/2017 15:28	WG1049340
Chlorobenzene	U			0.000282	0.00133	1	12/05/2017 15:28	WG1049340
Chlorodibromomethane	U			0.000496	0.00133	1	12/05/2017 15:28	WG1049340
Chloroethane	U			0.00126	0.00665	1	12/05/2017 15:28	WG1049340
Chloroform	U			0.000305	0.00665	1	12/05/2017 15:28	WG1049340
Chloromethane	U			0.000499	0.00333	1	12/05/2017 15:28	WG1049340
2-Chlorotoluene	U			0.000400	0.00133	1	12/05/2017 15:28	WG1049340
4-Chlorotoluene	U			0.000319	0.00133	1	12/05/2017 15:28	WG1049340
1,2-Dibromo-3-Chloropropane	U			0.00140	0.00665	1	12/05/2017 15:28	WG1049340
1,2-Dibromoethane	U			0.000456	0.00133	1	12/05/2017 15:28	WG1049340
Dibromomethane	U			0.000508	0.00133	1	12/05/2017 15:28	WG1049340
1,2-Dichlorobenzene	U			0.000406	0.00133	1	12/05/2017 15:28	WG1049340
1,3-Dichlorobenzene	U			0.000318	0.00133	1	12/05/2017 15:28	WG1049340
1,4-Dichlorobenzene	U			0.000301	0.00133	1	12/05/2017 15:28	WG1049340
Dichlorodifluoromethane	U			0.000949	0.00665	1	12/05/2017 15:28	WG1049340
1,1-Dichloroethane	U			0.000265	0.00133	1	12/05/2017 15:28	WG1049340
1,2-Dichloroethane	U			0.000353	0.00133	1	12/05/2017 15:28	WG1049340
1,1-Dichloroethene	U			0.000403	0.00133	1	12/05/2017 15:28	WG1049340
cis-1,2-Dichloroethene	0.00464	J+	V3	0.000313	0.00133	1	12/05/2017 15:28	WG1049340
trans-1,2-Dichloroethene	U			0.000351	0.00133	1	12/05/2017 15:28	WG1049340
1,2-Dichloropropane	U			0.000476	0.00133	1	12/05/2017 15:28	WG1049340
1,1-Dichloropropene	U			0.000422	0.00133	1	12/05/2017 15:28	WG1049340
1,3-Dichloropropane	U			0.000275	0.00133	1	12/05/2017 15:28	WG1049340
cis-1,3-Dichloropropene	U			0.000349	0.00133	1	12/05/2017 15:28	WG1049340
trans-1,3-Dichloropropene	U			0.000355	0.00133	1	12/05/2017 15:28	WG1049340
trans-1,4-Dichloro-2-butene	U			0.00104	0.00333	1	12/05/2017 15:28	WG1049340
2,2-Dichloropropane	U			0.000371	0.00133	1	12/05/2017 15:28	WG1049340
Di-isopropyl ether	U			0.000330	0.00133	1	12/05/2017 15:28	WG1049340
Ethylbenzene	U			0.000395	0.00133	1	12/05/2017 15:28	WG1049340
Hexachloro-1,3-butadiene	U			0.000455	0.00133	1	12/05/2017 15:28	WG1049340
2-Hexanone	U			0.00182	0.0133	1	12/05/2017 15:28	WG1049340
n-Hexane	U			0.000386	0.0133	1	12/05/2017 15:28	WG1049340
Iodomethane	U			0.00337	0.0133	1	12/05/2017 15:28	WG1049340
Isopropylbenzene	U			0.000323	0.00133	1	12/05/2017 15:28	WG1049340
p-Isopropyltoluene	0.000373	J+	J V3	0.000271	0.00133	1	12/05/2017 15:28	WG1049340
2-Butanone (MEK)	U			0.00623	0.0133	1	12/05/2017 15:28	WG1049340
Methylene Chloride	U			0.00133	0.00665	1	12/05/2017 15:28	WG1049340
4-Methyl-2-pentanone (MIBK)	U			0.00250	0.0133	1	12/05/2017 15:28	WG1049340

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000282	0.00133	1	12/05/2017 15:28	WG1049340
Naphthalene	U		0.00133	0.00665	1	12/05/2017 15:28	WG1049340
n-Propylbenzene	U		0.000274	0.00133	1	12/05/2017 15:28	WG1049340
Styrene	U		0.000311	0.00133	1	12/05/2017 15:28	WG1049340
1,1,1,2-Tetrachloroethane	U		0.000351	0.00133	1	12/05/2017 15:28	WG1049340
1,1,2,2-Tetrachloroethane	U		0.000486	0.00133	1	12/05/2017 15:28	WG1049340
1,1,2-Trichlorotrifluoroethane	U		0.000486	0.00133	1	12/05/2017 15:28	WG1049340
Tetrachloroethene	0.00590	J+ B V3	0.000367	0.00133	1	12/05/2017 15:28	WG1049340
Toluene	0.000806	J+ J V3	0.000577	0.00665	1	12/05/2017 15:28	WG1049340
1,2,3-Trichlorobenzene	U		0.000407	0.00133	1	12/05/2017 15:28	WG1049340
1,2,4-Trichlorobenzene	U		0.000516	0.00133	1	12/05/2017 15:28	WG1049340
1,1,1-Trichloroethane	U		0.000381	0.00133	1	12/05/2017 15:28	WG1049340
1,1,2-Trichloroethane	U		0.000369	0.00133	1	12/05/2017 15:28	WG1049340
Trichloroethene	0.00169	J+ V3	0.000371	0.00133	1	12/05/2017 15:28	WG1049340
Trichlorofluoromethane	U		0.000508	0.00665	1	12/05/2017 15:28	WG1049340
1,2,3-Trichloropropane	U		0.000986	0.00333	1	12/05/2017 15:28	WG1049340
1,2,4-Trimethylbenzene	0.000384	J+ J V3	0.000281	0.00133	1	12/05/2017 15:28	WG1049340
1,2,3-Trimethylbenzene	U		0.000382	0.00133	1	12/05/2017 15:28	WG1049340
1,3,5-Trimethylbenzene	U		0.000354	0.00133	1	12/05/2017 15:28	WG1049340
Vinyl acetate	U		0.00318	0.0133	1	12/05/2017 15:28	WG1049340
Vinyl chloride	0.00346	J+ V3	0.000387	0.00133	1	12/05/2017 15:28	WG1049340
Xylenes, Total	U		0.000929	0.00399	1	12/05/2017 15:28	WG1049340
(S) Toluene-d8	*94.0*			*80.0-120*		*12/05/2017 15:28*	WG1049340
(S) Dibromofluoromethane	*102*			*74.0-131*		*12/05/2017 15:28*	WG1049340
(S) 4-Bromofluorobenzene	*121*			*64.0-132*		*12/05/2017 15:28*	WG1049340

Sample Narrative:

L954694-18 WG1049340: Previous run also had low IS/SURR recovery. Matrix effect.

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Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	85.4		1	12/07/2017 13:01	WG1050628

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0117	0.0585	1	12/04/2017 16:10	WG1049340
Acrylonitrile	U		0.00210	0.0117	1	12/04/2017 16:10	WG1049340
Benzene	U		0.000316	0.00117	1	12/04/2017 16:10	WG1049340
Bromobenzene	U		0.000333	0.00117	1	12/04/2017 16:10	WG1049340
Bromodichloromethane	U		0.000297	0.00117	1	12/04/2017 16:10	WG1049340
Bromochloromethane	U		0.000457	0.00585	1	12/04/2017 16:10	WG1049340
Bromoform	U		0.000496	0.00117	1	12/04/2017 16:10	WG1049340
Bromomethane	U		0.00157	0.00585	1	12/04/2017 16:10	WG1049340
n-Butylbenzene	U		0.000302	0.00117	1	12/04/2017 16:10	WG1049340
sec-Butylbenzene	U		0.000235	0.00117	1	12/04/2017 16:10	WG1049340
tert-Butylbenzene	U		0.000241	0.00117	1	12/04/2017 16:10	WG1049340
Carbon disulfide	U		0.000259	0.00117	1	12/04/2017 16:10	WG1049340
Carbon tetrachloride	U		0.000384	0.00117	1	12/04/2017 16:10	WG1049340
Chlorobenzene	U		0.000248	0.00117	1	12/04/2017 16:10	WG1049340
Chlorodibromomethane	U		0.000437	0.00117	1	12/04/2017 16:10	WG1049340
Chloroethane	U		0.00111	0.00585	1	12/04/2017 16:10	WG1049340
Chloroform	U		0.000268	0.00585	1	12/04/2017 16:10	WG1049340
Chloromethane	U		0.000439	0.00293	1	12/04/2017 16:10	WG1049340
2-Chlorotoluene	U		0.000352	0.00117	1	12/04/2017 16:10	WG1049340
4-Chlorotoluene	U		0.000281	0.00117	1	12/04/2017 16:10	WG1049340
1,2-Dibromo-3-Chloropropane	U		0.00123	0.00585	1	12/04/2017 16:10	WG1049340
1,2-Dibromoethane	U		0.000402	0.00117	1	12/04/2017 16:10	WG1049340
Dibromomethane	U		0.000447	0.00117	1	12/04/2017 16:10	WG1049340
1,2-Dichlorobenzene	U		0.000357	0.00117	1	12/04/2017 16:10	WG1049340
1,3-Dichlorobenzene	U		0.000280	0.00117	1	12/04/2017 16:10	WG1049340
1,4-Dichlorobenzene	U		0.000265	0.00117	1	12/04/2017 16:10	WG1049340
Dichlorodifluoromethane	U		0.000835	0.00585	1	12/04/2017 16:10	WG1049340
1,1-Dichloroethane	U		0.000233	0.00117	1	12/04/2017 16:10	WG1049340
1,2-Dichloroethane	U		0.000310	0.00117	1	12/04/2017 16:10	WG1049340
1,1-Dichloroethene	U		0.000355	0.00117	1	12/04/2017 16:10	WG1049340
cis-1,2-Dichloroethene	0.0101		0.000275	0.00117	1	12/04/2017 16:10	WG1049340
trans-1,2-Dichloroethene	U		0.000309	0.00117	1	12/04/2017 16:10	WG1049340
1,2-Dichloropropane	U		0.000419	0.00117	1	12/04/2017 16:10	WG1049340
1,1-Dichloropropene	U		0.000371	0.00117	1	12/04/2017 16:10	WG1049340
1,3-Dichloropropane	U		0.000242	0.00117	1	12/04/2017 16:10	WG1049340
cis-1,3-Dichloropropene	U		0.000307	0.00117	1	12/04/2017 16:10	WG1049340
trans-1,3-Dichloropropene	U		0.000313	0.00117	1	12/04/2017 16:10	WG1049340
trans-1,4-Dichloro-2-butene	U		0.000911	0.00293	1	12/04/2017 16:10	WG1049340
2,2-Dichloropropane	U		0.000327	0.00117	1	12/04/2017 16:10	WG1049340
Di-isopropyl ether	U		0.000290	0.00117	1	12/04/2017 16:10	WG1049340
Ethylbenzene	U		0.000348	0.00117	1	12/04/2017 16:10	WG1049340
Hexachloro-1,3-butadiene	U		0.000400	0.00117	1	12/04/2017 16:10	WG1049340
2-Hexanone	U		0.00160	0.0117	1	12/04/2017 16:10	WG1049340
n-Hexane	U		0.000340	0.0117	1	12/04/2017 16:10	WG1049340
Iodomethane	U		0.00296	0.0117	1	12/04/2017 16:10	WG1049340
Isopropylbenzene	U		0.000285	0.00117	1	12/04/2017 16:10	WG1049340
p-Isopropyltoluene	U		0.000239	0.00117	1	12/04/2017 16:10	WG1049340
2-Butanone (MEK)	U		0.00548	0.0117	1	12/04/2017 16:10	WG1049340
Methylene Chloride	U		0.00117	0.00585	1	12/04/2017 16:10	WG1049340
4-Methyl-2-pentanone (MIBK)	U		0.00220	0.0117	1	12/04/2017 16:10	WG1049340

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000248	0.00117	1	12/04/2017 16:10	WG1049340
Naphthalene	U		0.00117	0.00585	1	12/04/2017 16:10	WG1049340
n-Propylbenzene	U		0.000241	0.00117	1	12/04/2017 16:10	WG1049340
Styrene	U		0.000274	0.00117	1	12/04/2017 16:10	WG1049340
1,1,1,2-Tetrachloroethane	U		0.000309	0.00117	1	12/04/2017 16:10	WG1049340
1,1,2,2-Tetrachloroethane	U		0.000427	0.00117	1	12/04/2017 16:10	WG1049340
1,1,2-Trichlorotrifluoroethane	U		0.000427	0.00117	1	12/04/2017 16:10	WG1049340
Tetrachloroethene	0.000676 U	B J	0.000323	0.00117	1	12/04/2017 16:10	WG1049340
Toluene	U		0.000508	0.00585	1	12/04/2017 16:10	WG1049340
1,2,3-Trichlorobenzene	U		0.000358	0.00117	1	12/04/2017 16:10	WG1049340
1,2,4-Trichlorobenzene	U		0.000454	0.00117	1	12/04/2017 16:10	WG1049340
1,1,1-Trichloroethane	U		0.000335	0.00117	1	12/04/2017 16:10	WG1049340
1,1,2-Trichloroethane	U		0.000324	0.00117	1	12/04/2017 16:10	WG1049340
Trichloroethene	U		0.000327	0.00117	1	12/04/2017 16:10	WG1049340
Trichlorofluoromethane	U		0.000447	0.00585	1	12/04/2017 16:10	WG1049340
1,2,3-Trichloropropane	U		0.000868	0.00293	1	12/04/2017 16:10	WG1049340
1,2,4-Trimethylbenzene	U		0.000247	0.00117	1	12/04/2017 16:10	WG1049340
1,2,3-Trimethylbenzene	U		0.000336	0.00117	1	12/04/2017 16:10	WG1049340
1,3,5-Trimethylbenzene	U		0.000311	0.00117	1	12/04/2017 16:10	WG1049340
Vinyl acetate	U		0.00280	0.0117	1	12/04/2017 16:10	WG1049340
Vinyl chloride	0.00442		0.000341	0.00117	1	12/04/2017 16:10	WG1049340
Xylenes, Total	U		0.000817	0.00351	1	12/04/2017 16:10	WG1049340
(S) Toluene-d8	*97.7*			*80.0-120*		*12/04/2017 16:10*	WG1049340
(S) Dibromofluoromethane	*112*			*74.0-131*		*12/04/2017 16:10*	WG1049340
(S) 4-Bromofluorobenzene	*103*			*64.0-132*		*12/04/2017 16:10*	WG1049340

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

JC 12/22/17

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

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	89.4		1	12/07/2017 13:29	WG1050619

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0112	0.0560	1	12/04/2017 16:29	WG1049340
Acrylonitrile	U		0.00200	0.0112	1	12/04/2017 16:29	WG1049340
Benzene	U		0.000302	0.00112	1	12/04/2017 16:29	WG1049340
Bromobenzene	U		0.000318	0.00112	1	12/04/2017 16:29	WG1049340
Bromodichloromethane	U		0.000284	0.00112	1	12/04/2017 16:29	WG1049340
Bromochloromethane	U		0.000436	0.00560	1	12/04/2017 16:29	WG1049340
Bromoform	U		0.000475	0.00112	1	12/04/2017 16:29	WG1049340
Bromomethane	U		0.00150	0.00560	1	12/04/2017 16:29	WG1049340
n-Butylbenzene	U		0.000289	0.00112	1	12/04/2017 16:29	WG1049340
sec-Butylbenzene	U		0.000225	0.00112	1	12/04/2017 16:29	WG1049340
tert-Butylbenzene	U		0.000231	0.00112	1	12/04/2017 16:29	WG1049340
Carbon disulfide	U		0.000247	0.00112	1	12/04/2017 16:29	WG1049340
Carbon tetrachloride	U		0.000367	0.00112	1	12/04/2017 16:29	WG1049340
Chlorobenzene	U		0.000237	0.00112	1	12/04/2017 16:29	WG1049340
Chlorodibromomethane	U		0.000417	0.00112	1	12/04/2017 16:29	WG1049340
Chloroethane	U		0.00106	0.00560	1	12/04/2017 16:29	WG1049340
Chloroform	U		0.000256	0.00560	1	12/04/2017 16:29	WG1049340
Chloromethane	U		0.000420	0.00280	1	12/04/2017 16:29	WG1049340
2-Chlorotoluene	U		0.000337	0.00112	1	12/04/2017 16:29	WG1049340
4-Chlorotoluene	U		0.000269	0.00112	1	12/04/2017 16:29	WG1049340
1,2-Dibromo-3-Chloropropane	U		0.00118	0.00560	1	12/04/2017 16:29	WG1049340
1,2-Dibromoethane	U		0.000384	0.00112	1	12/04/2017 16:29	WG1049340
Dibromomethane	U		0.000428	0.00112	1	12/04/2017 16:29	WG1049340
1,2-Dichlorobenzene	U		0.000341	0.00112	1	12/04/2017 16:29	WG1049340
1,3-Dichlorobenzene	U		0.000267	0.00112	1	12/04/2017 16:29	WG1049340
1,4-Dichlorobenzene	U		0.000253	0.00112	1	12/04/2017 16:29	WG1049340
Dichlorodifluoromethane	U		0.000798	0.00560	1	12/04/2017 16:29	WG1049340
1,1-Dichloroethane	U		0.000223	0.00112	1	12/04/2017 16:29	WG1049340
1,2-Dichloroethane	U		0.000297	0.00112	1	12/04/2017 16:29	WG1049340
1,1-Dichloroethene	0.000638 J	J	0.000339	0.00112	1	12/04/2017 16:29	WG1049340
cis-1,2-Dichloroethene	0.147		0.000263	0.00112	1	12/04/2017 16:29	WG1049340
trans-1,2-Dichloroethene	0.00106 J	J	0.000295	0.00112	1	12/04/2017 16:29	WG1049340
1,2-Dichloropropane	U		0.000401	0.00112	1	12/04/2017 16:29	WG1049340
1,1-Dichloropropene	U		0.000355	0.00112	1	12/04/2017 16:29	WG1049340
1,3-Dichloropropane	U		0.000232	0.00112	1	12/04/2017 16:29	WG1049340
cis-1,3-Dichloropropene	U		0.000293	0.00112	1	12/04/2017 16:29	WG1049340
trans-1,3-Dichloropropene	U		0.000299	0.00112	1	12/04/2017 16:29	WG1049340
trans-1,4-Dichloro-2-butene	U		0.000871	0.00280	1	12/04/2017 16:29	WG1049340
2,2-Dichloropropane	U		0.000312	0.00112	1	12/04/2017 16:29	WG1049340
Di-isopropyl ether	U		0.000278	0.00112	1	12/04/2017 16:29	WG1049340
Ethylbenzene	U		0.000332	0.00112	1	12/04/2017 16:29	WG1049340
Hexachloro-1,3-butadiene	U		0.000383	0.00112	1	12/04/2017 16:29	WG1049340
2-Hexanone	U		0.00153	0.0112	1	12/04/2017 16:29	WG1049340
n-Hexane	U		0.000325	0.0112	1	12/04/2017 16:29	WG1049340
Iodomethane	U		0.00283	0.0112	1	12/04/2017 16:29	WG1049340
Isopropylbenzene	U		0.000272	0.00112	1	12/04/2017 16:29	WG1049340
p-Isopropyltoluene	U		0.000228	0.00112	1	12/04/2017 16:29	WG1049340
2-Butanone (MEK)	U		0.00524	0.0112	1	12/04/2017 16:29	WG1049340
Methylene Chloride	U		0.00112	0.00560	1	12/04/2017 16:29	WG1049340
4-Methyl-2-pentanone (MIBK)	U		0.00210	0.0112	1	12/04/2017 16:29	WG1049340

JC 12/20/2017

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000237	0.00112	1	12/04/2017 16:29	WG1049340
Naphthalene	U		0.00112	0.00560	1	12/04/2017 16:29	WG1049340
n-Propylbenzene	U		0.000231	0.00112	1	12/04/2017 16:29	WG1049340
Styrene	U		0.000262	0.00112	1	12/04/2017 16:29	WG1049340
1,1,1,2-Tetrachloroethane	U		0.000295	0.00112	1	12/04/2017 16:29	WG1049340
1,1,2,2-Tetrachloroethane	U		0.000409	0.00112	1	12/04/2017 16:29	WG1049340
1,1,2-Trichlorotrifluoroethane	U		0.000409	0.00112	1	12/04/2017 16:29	WG1049340
Tetrachloroethene	0.0190		0.000309	0.00112	1	12/04/2017 16:29	WG1049340
Toluene	U		0.000486	0.00560	1	12/04/2017 16:29	WG1049340
1,2,3-Trichlorobenzene	U		0.000342	0.00112	1	12/04/2017 16:29	WG1049340
1,2,4-Trichlorobenzene	U		0.000434	0.00112	1	12/04/2017 16:29	WG1049340
1,1,1-Trichloroethane	U		0.000320	0.00112	1	12/04/2017 16:29	WG1049340
1,1,2-Trichloroethane	U		0.000310	0.00112	1	12/04/2017 16:29	WG1049340
Trichloroethene	0.0216		0.000312	0.00112	1	12/04/2017 16:29	WG1049340
Trichlorofluoromethane	U		0.000428	0.00560	1	12/04/2017 16:29	WG1049340
1,2,3-Trichloropropane	U		0.000829	0.00280	1	12/04/2017 16:29	WG1049340
1,2,4-Trimethylbenzene	U		0.000236	0.00112	1	12/04/2017 16:29	WG1049340
1,2,3-Trimethylbenzene	U		0.000321	0.00112	1	12/04/2017 16:29	WG1049340
1,3,5-Trimethylbenzene	U		0.000298	0.00112	1	12/04/2017 16:29	WG1049340
Vinyl acetate	U		0.00267	0.0112	1	12/04/2017 16:29	WG1049340
Vinyl chloride	0.00682		0.000326	0.00112	1	12/04/2017 16:29	WG1049340
Xylenes, Total	U		0.000781	0.00336	1	12/04/2017 16:29	WG1049340
(S) Toluene-d8	*96.4*			*80.0-120*		*12/04/2017 16:29*	WG1049340
(S) Dibromofluoromethane	*119*			*74.0-131*		*12/04/2017 16:29*	WG1049340
(S) 4-Bromofluorobenzene	*97.3*			*64.0-132*		*12/04/2017 16:29*	WG1049340

JC 12/20/2017

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

Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch
Analyte	%			date / time	
Total Solids	84.3		1	12/07/2017 12:28	WG1050630

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

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.374	1.87	31.5	12/05/2017 17:58	WG1049340
Acrylonitrile	U		0.0669	0.374	31.5	12/05/2017 17:58	WG1049340
Benzene	U		0.0101	0.0374	31.5	12/05/2017 17:58	WG1049340
Bromobenzene	U		0.0106	0.0374	31.5	12/05/2017 17:58	WG1049340
Bromodichloromethane	U		0.00949	0.0374	31.5	12/05/2017 17:58	WG1049340
Bromochloromethane	U		0.0146	0.187	31.5	12/05/2017 17:58	WG1049340
Bromoform	U		0.0159	0.0374	31.5	12/05/2017 17:58	WG1049340
Bromomethane	U		0.0501	0.187	31.5	12/05/2017 17:58	WG1049340
n-Butylbenzene	U		0.00964	0.0374	31.5	12/05/2017 17:58	WG1049340
sec-Butylbenzene	U		0.00751	0.0374	31.5	12/05/2017 17:58	WG1049340
tert-Butylbenzene	U		0.00770	0.0374	31.5	12/05/2017 17:58	WG1049340
Carbon disulfide	U		0.00826	0.0374	31.5	12/05/2017 17:58	WG1049340
Carbon tetrachloride	U		0.0122	0.0374	31.5	12/05/2017 17:58	WG1049340
Chlorobenzene	U		0.00792	0.0374	31.5	12/05/2017 17:58	WG1049340
Chlorodibromomethane	U		0.0139	0.0374	31.5	12/05/2017 17:58	WG1049340
Chloroethane	U		0.0353	0.187	31.5	12/05/2017 17:58	WG1049340
Chloroform	U		0.00855	0.187	31.5	12/05/2017 17:58	WG1049340
Chloromethane	U		0.0140	0.0934	31.5	12/05/2017 17:58	WG1049340
2-Chlorotoluene	U		0.0112	0.0374	31.5	12/05/2017 17:58	WG1049340
4-Chlorotoluene	U		0.00897	0.0374	31.5	12/05/2017 17:58	WG1049340
1,2-Dibromo-3-Chloropropane	U		0.0393	0.187	31.5	12/05/2017 17:58	WG1049340
1,2-Dibromoethane	U		0.0128	0.0374	31.5	12/05/2017 17:58	WG1049340
Dibromomethane	U		0.0142	0.0374	31.5	12/05/2017 17:58	WG1049340
1,2-Dichlorobenzene	U		0.0114	0.0374	31.5	12/05/2017 17:58	WG1049340
1,3-Dichlorobenzene	U		0.00893	0.0374	31.5	12/05/2017 17:58	WG1049340
1,4-Dichlorobenzene	U		0.00844	0.0374	31.5	12/05/2017 17:58	WG1049340
Dichlorodifluoromethane	U		0.0266	0.187	31.5	12/05/2017 17:58	WG1049340
1,1-Dichloroethane	U		0.00744	0.0374	31.5	12/05/2017 17:58	WG1049340
1,2-Dichloroethane	U		0.00990	0.0374	31.5	12/05/2017 17:58	WG1049340
1,1-Dichloroethene	U		0.0113	0.0374	31.5	12/05/2017 17:58	WG1049340
cis-1,2-Dichloroethene	0.474		0.00878	0.0374	31.5	12/05/2017 17:58	WG1049340
trans-1,2-Dichloroethene	U		0.00987	0.0374	31.5	12/05/2017 17:58	WG1049340
1,2-Dichloropropane	U		0.0134	0.0374	31.5	12/05/2017 17:58	WG1049340
1,1-Dichloropropene	U		0.0118	0.0374	31.5	12/05/2017 17:58	WG1049340
1,3-Dichloropropane	U		0.00773	0.0374	31.5	12/05/2017 17:58	WG1049340
cis-1,3-Dichloropropene	U		0.00979	0.0374	31.5	12/05/2017 17:58	WG1049340
trans-1,3-Dichloropropene	U		0.00997	0.0374	31.5	12/05/2017 17:58	WG1049340
trans-1,4-Dichloro-2-butene	U		0.0291	0.0934	31.5	12/05/2017 17:58	WG1049340
2,2-Dichloropropane	U		0.0104	0.0374	31.5	12/05/2017 17:58	WG1049340
Di-isopropyl ether	U		0.00926	0.0374	31.5	12/05/2017 17:58	WG1049340
Ethylbenzene	U		0.0111	0.0374	31.5	12/05/2017 17:58	WG1049340
Hexachloro-1,3-butadiene	U		0.0128	0.0374	31.5	12/05/2017 17:58	WG1049340
2-Hexanone	U		0.0512	0.374	31.5	12/05/2017 17:58	WG1049340
n-Hexane	U		0.0108	0.374	31.5	12/05/2017 17:58	WG1049340
Iodomethane	U		0.0945	0.374	31.5	12/05/2017 17:58	WG1049340
Isopropylbenzene	U		0.00907	0.0374	31.5	12/05/2017 17:58	WG1049340
p-Isopropyltoluene	U		0.00763	0.0374	31.5	12/05/2017 17:58	WG1049340
2-Butanone (MEK)	U		0.174	0.374	31.5	12/05/2017 17:58	WG1049340
Methylene Chloride	U		0.0374	0.187	31.5	12/05/2017 17:58	WG1049340
4-Methyl-2-pentanone (MIBK)	U		0.0702	0.374	31.5	12/05/2017 17:58	WG1049340

JC 12/20/2017

B-232-26

Collected date/time: 12/01/17 09:35

SAMPLE RESULTS - 21

L954694

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.00792	0.0374	31.5	12/05/2017 17:58	WG1049340
Naphthalene	U		0.0374	0.187	31.5	12/05/2017 17:58	WG1049340
n-Propylbenzene	U		0.00770	0.0374	31.5	12/05/2017 17:58	WG1049340
Styrene	U		0.00874	0.0374	31.5	12/05/2017 17:58	WG1049340
1,1,1,2-Tetrachloroethane	U		0.00987	0.0374	31.5	12/05/2017 17:58	WG1049340
1,1,2,2-Tetrachloroethane	U		0.0136	0.0374	31.5	12/05/2017 17:58	WG1049340
1,1,2-Trichlorotrifluoroethane	U		0.0136	0.0374	31.5	12/05/2017 17:58	WG1049340
Tetrachloroethene	11.1		0.206	0.747	630	12/06/2017 15:38	WG1049340
Toluene	U		0.0162	0.187	31.5	12/05/2017 17:58	WG1049340
1,2,3-Trichlorobenzene	U		0.0114	0.0374	31.5	12/05/2017 17:58	WG1049340
1,2,4-Trichlorobenzene	U		0.0145	0.0374	31.5	12/05/2017 17:58	WG1049340
1,1,1-Trichloroethane	U		0.0107	0.0374	31.5	12/05/2017 17:58	WG1049340
1,1,2-Trichloroethane	U		0.0103	0.0374	31.5	12/05/2017 17:58	WG1049340
Trichloroethene	0.763		0.0104	0.0374	31.5	12/05/2017 17:58	WG1049340
Trichlorofluoromethane	U		0.0142	0.187	31.5	12/05/2017 17:58	WG1049340
1,2,3-Trichloropropane	U		0.0276	0.0934	31.5	12/05/2017 17:58	WG1049340
1,2,4-Trimethylbenzene	U		0.00789	0.0374	31.5	12/05/2017 17:58	WG1049340
1,2,3-Trimethylbenzene	U		0.0107	0.0374	31.5	12/05/2017 17:58	WG1049340
1,3,5-Trimethylbenzene	U		0.00994	0.0374	31.5	12/05/2017 17:58	WG1049340
Vinyl acetate	U		0.0893	0.374	31.5	12/05/2017 17:58	WG1049340
Vinyl chloride	U		0.0109	0.0374	31.5	12/05/2017 17:58	WG1049340
Xylenes, Total	U		0.0261	0.112	31.5	12/05/2017 17:58	WG1049340
(S) Toluene-d8	*106*			*80.0-120*		*12/06/2017 15:38*	WG1049340
(S) Toluene-d8	*100*			*80.0-120*		*12/05/2017 17:58*	WG1049340
(S) Dibromofluoromethane	*102*			*74.0-131*		*12/06/2017 15:38*	WG1049340
(S) Dibromofluoromethane	*95.7*			*74.0-131*		*12/05/2017 17:58*	WG1049340
(S) 4-Bromofluorobenzene	*97.3*			*64.0-132*		*12/06/2017 15:38*	WG1049340
(S) 4-Bromofluorobenzene	*98.5*			*64.0-132*		*12/05/2017 17:58*	WG1049340

Sample Narrative:

L954694-21 WG1049340: Cannot be analyzed at a lower dilution due to high levels of target analytes.

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

JC 12/22/17

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	88.6		1	12/07/2017 13:01	WG1050628

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0565	1	12/05/2017 00:08	WG1049340
Acrylonitrile	U		0.00202	0.0113	1	12/05/2017 00:08	WG1049340
Benzene	U		0.000305	0.00113	1	12/05/2017 00:08	WG1049340
Bromobenzene	U		0.000321	0.00113	1	12/05/2017 00:08	WG1049340
Bromodichloromethane	U		0.000287	0.00113	1	12/05/2017 00:08	WG1049340
Bromochloromethane	U		0.000440	0.00565	1	12/05/2017 00:08	WG1049340
Bromoform	U		0.000479	0.00113	1	12/05/2017 00:08	WG1049340
Bromomethane	U		0.00151	0.00565	1	12/05/2017 00:08	WG1049340
n-Butylbenzene	U		0.000291	0.00113	1	12/05/2017 00:08	WG1049340
sec-Butylbenzene	U		0.000227	0.00113	1	12/05/2017 00:08	WG1049340
tert-Butylbenzene	U		0.000233	0.00113	1	12/05/2017 00:08	WG1049340
Carbon disulfide	U		0.000250	0.00113	1	12/05/2017 00:08	WG1049340
Carbon tetrachloride	U		0.000370	0.00113	1	12/05/2017 00:08	WG1049340
Chlorobenzene	U		0.000239	0.00113	1	12/05/2017 00:08	WG1049340
Chlorodibromomethane	U		0.000421	0.00113	1	12/05/2017 00:08	WG1049340
Chloroethane	U		0.00107	0.00565	1	12/05/2017 00:08	WG1049340
Chloroform	U		0.000259	0.00565	1	12/05/2017 00:08	WG1049340
Chloromethane	U		0.000423	0.00282	1	12/05/2017 00:08	WG1049340
2-Chlorotoluene	U		0.000340	0.00113	1	12/05/2017 00:08	WG1049340
4-Chlorotoluene	U		0.000271	0.00113	1	12/05/2017 00:08	WG1049340
1,2-Dibromo-3-Chloropropane	U		0.00119	0.00565	1	12/05/2017 00:08	WG1049340
1,2-Dibromoethane	U		0.000387	0.00113	1	12/05/2017 00:08	WG1049340
Dibromomethane	U		0.000431	0.00113	1	12/05/2017 00:08	WG1049340
1,2-Dichlorobenzene	U		0.000344	0.00113	1	12/05/2017 00:08	WG1049340
1,3-Dichlorobenzene	U		0.000270	0.00113	1	12/05/2017 00:08	WG1049340
1,4-Dichlorobenzene	U		0.000255	0.00113	1	12/05/2017 00:08	WG1049340
Dichlorodifluoromethane	U		0.000805	0.00565	1	12/05/2017 00:08	WG1049340
1,1-Dichloroethane	U		0.000225	0.00113	1	12/05/2017 00:08	WG1049340
1,2-Dichloroethane	U		0.000299	0.00113	1	12/05/2017 00:08	WG1049340
1,1-Dichloroethene	0.000364 J	J	0.000342	0.00113	1	12/05/2017 00:08	WG1049340
cis-1,2-Dichloroethene	0.0874		0.000265	0.00113	1	12/05/2017 00:08	WG1049340
trans-1,2-Dichloroethene	0.000524 J	J	0.000298	0.00113	1	12/05/2017 00:08	WG1049340
1,2-Dichloropropane	U		0.000404	0.00113	1	12/05/2017 00:08	WG1049340
1,1-Dichloropropene	U		0.000358	0.00113	1	12/05/2017 00:08	WG1049340
1,3-Dichloropropane	U		0.000234	0.00113	1	12/05/2017 00:08	WG1049340
cis-1,3-Dichloropropene	U		0.000296	0.00113	1	12/05/2017 00:08	WG1049340
trans-1,3-Dichloropropene	U		0.000301	0.00113	1	12/05/2017 00:08	WG1049340
trans-1,4-Dichloro-2-butene	U		0.000878	0.00282	1	12/05/2017 00:08	WG1049340
2,2-Dichloropropane	U		0.000315	0.00113	1	12/05/2017 00:08	WG1049340
Di-isopropyl ether	U		0.000280	0.00113	1	12/05/2017 00:08	WG1049340
Ethylbenzene	U		0.000335	0.00113	1	12/05/2017 00:08	WG1049340
Hexachloro-1,3-butadiene	U		0.000386	0.00113	1	12/05/2017 00:08	WG1049340
2-Hexanone	U		0.00155	0.0113	1	12/05/2017 00:08	WG1049340
n-Hexane	U		0.000327	0.0113	1	12/05/2017 00:08	WG1049340
Iodomethane	U		0.00286	0.0113	1	12/05/2017 00:08	WG1049340
Isopropylbenzene	U		0.000274	0.00113	1	12/05/2017 00:08	WG1049340
p-Isopropyltoluene	U		0.000230	0.00113	1	12/05/2017 00:08	WG1049340
2-Butanone (MEK)	U		0.00528	0.0113	1	12/05/2017 00:08	WG1049340
Methylene Chloride	U		0.00113	0.00565	1	12/05/2017 00:08	WG1049340
4-Methyl-2-pentanone (MIBK)	U		0.00212	0.0113	1	12/05/2017 00:08	WG1049340

12/22/17 JC

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000239	0.00113	1	12/05/2017 00:08	WG1049340
Naphthalene	U		0.00113	0.00565	1	12/05/2017 00:08	WG1049340
n-Propylbenzene	U		0.000233	0.00113	1	12/05/2017 00:08	WG1049340
Styrene	U		0.000264	0.00113	1	12/05/2017 00:08	WG1049340
1,1,1,2-Tetrachloroethane	U		0.000298	0.00113	1	12/05/2017 00:08	WG1049340
1,1,2,2-Tetrachloroethane	U		0.000412	0.00113	1	12/05/2017 00:08	WG1049340
1,1,2-Trichlorotrifluoroethane	U		0.000412	0.00113	1	12/05/2017 00:08	WG1049340
Tetrachloroethene	4.27		0.00779	0.0282	25	12/05/2017 18:19	WG1049340
Toluene	U		0.000490	0.00565	1	12/05/2017 00:08	WG1049340
1,2,3-Trichlorobenzene	U		0.000346	0.00113	1	12/05/2017 00:08	WG1049340
1,2,4-Trichlorobenzene	U		0.000438	0.00113	1	12/05/2017 00:08	WG1049340
1,1,1-Trichloroethane	U		0.000323	0.00113	1	12/05/2017 00:08	WG1049340
1,1,2-Trichloroethane	U		0.000313	0.00113	1	12/05/2017 00:08	WG1049340
Trichloroethene	0.0964		0.000315	0.00113	1	12/05/2017 00:08	WG1049340
Trichlorofluoromethane	U		0.000431	0.00565	1	12/05/2017 00:08	WG1049340
1,2,3-Trichloropropane	U		0.000837	0.00282	1	12/05/2017 00:08	WG1049340
1,2,4-Trimethylbenzene	U		0.000238	0.00113	1	12/05/2017 00:08	WG1049340
1,2,3-Trimethylbenzene	U		0.000324	0.00113	1	12/05/2017 00:08	WG1049340
1,3,5-Trimethylbenzene	U		0.000300	0.00113	1	12/05/2017 00:08	WG1049340
Vinyl acetate	U		0.00270	0.0113	1	12/05/2017 00:08	WG1049340
Vinyl chloride	0.0110		0.000329	0.00113	1	12/05/2017 00:08	WG1049340
Xylenes, Total	U		0.000788	0.00339	1	12/05/2017 00:08	WG1049340
(S) Toluene-d8	*97.3*			*80.0-120*		*12/05/2017 00:08*	WG1049340
(S) Toluene-d8	*101*			*80.0-120*		*12/05/2017 18:19*	WG1049340
(S) Dibromofluoromethane	*97.1*			*74.0-131*		*12/05/2017 18:19*	WG1049340
(S) Dibromofluoromethane	*116*			*74.0-131*		*12/05/2017 00:08*	WG1049340
(S) 4-Bromofluorobenzene	*100*			*64.0-132*		*12/05/2017 18:19*	WG1049340
(S) 4-Bromofluorobenzene	*97.8*			*64.0-132*		*12/05/2017 00:08*	WG1049340

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

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Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	84.4		1	12/07/2017 12:45	WG1050629

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0119	0.0593	1	12/05/2017 00:27	WG1049340
Acrylonitrile	U		0.00212	0.0119	1	12/05/2017 00:27	WG1049340
Benzene	U		0.000320	0.00119	1	12/05/2017 00:27	WG1049340
Bromobenzene	U		0.000337	0.00119	1	12/05/2017 00:27	WG1049340
Bromodichloromethane	U		0.000301	0.00119	1	12/05/2017 00:27	WG1049340
Bromochloromethane	U		0.000462	0.00593	1	12/05/2017 00:27	WG1049340
Bromoform	U		0.000503	0.00119	1	12/05/2017 00:27	WG1049340
Bromomethane	U		0.00159	0.00593	1	12/05/2017 00:27	WG1049340
n-Butylbenzene	U		0.000306	0.00119	1	12/05/2017 00:27	WG1049340
sec-Butylbenzene	U		0.000238	0.00119	1	12/05/2017 00:27	WG1049340
tert-Butylbenzene	U		0.000244	0.00119	1	12/05/2017 00:27	WG1049340
Carbon disulfide	U		0.000262	0.00119	1	12/05/2017 00:27	WG1049340
Carbon tetrachloride	U		0.000389	0.00119	1	12/05/2017 00:27	WG1049340
Chlorobenzene	U		0.000251	0.00119	1	12/05/2017 00:27	WG1049340
Chlorodibromomethane	U		0.000442	0.00119	1	12/05/2017 00:27	WG1049340
Chloroethane	U		0.00112	0.00593	1	12/05/2017 00:27	WG1049340
Chloroform	U		0.000271	0.00593	1	12/05/2017 00:27	WG1049340
Chloromethane	U		0.000445	0.00296	1	12/05/2017 00:27	WG1049340
2-Chlorotoluene	U		0.000357	0.00119	1	12/05/2017 00:27	WG1049340
4-Chlorotoluene	U		0.000284	0.00119	1	12/05/2017 00:27	WG1049340
1,2-Dibromo-3-Chloropropane	U		0.00124	0.00593	1	12/05/2017 00:27	WG1049340
1,2-Dibromoethane	U		0.000407	0.00119	1	12/05/2017 00:27	WG1049340
Dibromomethane	U		0.000453	0.00119	1	12/05/2017 00:27	WG1049340
1,2-Dichlorobenzene	U		0.000362	0.00119	1	12/05/2017 00:27	WG1049340
1,3-Dichlorobenzene	U		0.000283	0.00119	1	12/05/2017 00:27	WG1049340
1,4-Dichlorobenzene	U		0.000268	0.00119	1	12/05/2017 00:27	WG1049340
Dichlorodifluoromethane	U		0.000845	0.00593	1	12/05/2017 00:27	WG1049340
1,1-Dichloroethane	U		0.000236	0.00119	1	12/05/2017 00:27	WG1049340
1,2-Dichloroethane	U		0.000314	0.00119	1	12/05/2017 00:27	WG1049340
1,1-Dichloroethene	0.00117 J	J	0.000359	0.00119	1	12/05/2017 00:27	WG1049340
cis-1,2-Dichloroethene	0.110		0.000279	0.00119	1	12/05/2017 00:27	WG1049340
trans-1,2-Dichloroethene	0.000631 J	J	0.000313	0.00119	1	12/05/2017 00:27	WG1049340
1,2-Dichloropropane	U		0.000424	0.00119	1	12/05/2017 00:27	WG1049340
1,1-Dichloropropene	U		0.000376	0.00119	1	12/05/2017 00:27	WG1049340
1,3-Dichloropropane	U		0.000245	0.00119	1	12/05/2017 00:27	WG1049340
cis-1,3-Dichloropropene	U		0.000311	0.00119	1	12/05/2017 00:27	WG1049340
trans-1,3-Dichloropropene	U		0.000316	0.00119	1	12/05/2017 00:27	WG1049340
trans-1,4-Dichloro-2-butene	U		0.000922	0.00296	1	12/05/2017 00:27	WG1049340
2,2-Dichloropropane	U		0.000331	0.00119	1	12/05/2017 00:27	WG1049340
Di-isopropyl ether	U		0.000294	0.00119	1	12/05/2017 00:27	WG1049340
Ethylbenzene	U		0.000352	0.00119	1	12/05/2017 00:27	WG1049340
Hexachloro-1,3-butadiene	U		0.000405	0.00119	1	12/05/2017 00:27	WG1049340
2-Hexanone	U		0.00162	0.0119	1	12/05/2017 00:27	WG1049340
n-Hexane	U		0.000344	0.0119	1	12/05/2017 00:27	WG1049340
Iodomethane	U		0.00300	0.0119	1	12/05/2017 00:27	WG1049340
Isopropylbenzene	U		0.000288	0.00119	1	12/05/2017 00:27	WG1049340
p-Isopropyltoluene	U		0.000242	0.00119	1	12/05/2017 00:27	WG1049340
2-Butanone (MEK)	U		0.00555	0.0119	1	12/05/2017 00:27	WG1049340
Methylene Chloride	U		0.00119	0.00593	1	12/05/2017 00:27	WG1049340
4-Methyl-2-pentanone (MIBK)	U		0.00223	0.0119	1	12/05/2017 00:27	WG1049340

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000251	0.00119	1	12/05/2017 00:27	WG1049340
Naphthalene	U		0.00119	0.00593	1	12/05/2017 00:27	WG1049340
n-Propylbenzene	U		0.000244	0.00119	1	12/05/2017 00:27	WG1049340
Styrene	U		0.000277	0.00119	1	12/05/2017 00:27	WG1049340
1,1,1,2-Tetrachloroethane	U		0.000313	0.00119	1	12/05/2017 00:27	WG1049340
1,1,2,2-Tetrachloroethane	U		0.000433	0.00119	1	12/05/2017 00:27	WG1049340
1,1,2-Trichlorotrifluoroethane	U		0.000433	0.00119	1	12/05/2017 00:27	WG1049340
Tetrachloroethene	1.88		0.00818	0.0296	25	12/05/2017 18:40	WG1049340
Toluene	U		0.000514	0.00593	1	12/05/2017 00:27	WG1049340
1,2,3-Trichlorobenzene	U		0.000363	0.00119	1	12/05/2017 00:27	WG1049340
1,2,4-Trichlorobenzene	U		0.000460	0.00119	1	12/05/2017 00:27	WG1049340
1,1,1-Trichloroethane	U		0.000339	0.00119	1	12/05/2017 00:27	WG1049340
1,1,2-Trichloroethane	U		0.000328	0.00119	1	12/05/2017 00:27	WG1049340
Trichloroethene	0.0913		0.000331	0.00119	1	12/05/2017 00:27	WG1049340
Trichlorofluoromethane	U		0.000453	0.00593	1	12/05/2017 00:27	WG1049340
1,2,3-Trichloropropane	U		0.000878	0.00296	1	12/05/2017 00:27	WG1049340
1,2,4-Trimethylbenzene	U		0.000250	0.00119	1	12/05/2017 00:27	WG1049340
1,2,3-Trimethylbenzene	U		0.000340	0.00119	1	12/05/2017 00:27	WG1049340
1,3,5-Trimethylbenzene	U		0.000315	0.00119	1	12/05/2017 00:27	WG1049340
Vinyl acetate	U		0.00283	0.0119	1	12/05/2017 00:27	WG1049340
Vinyl chloride	0.0123		0.000345	0.00119	1	12/05/2017 00:27	WG1049340
Xylenes, Total	U		0.000827	0.00356	1	12/05/2017 00:27	WG1049340
(S) Toluene-d8	*101*			*80.0-120*		*12/05/2017 18:40*	WG1049340
(S) Toluene-d8	*95.5*			*80.0-120*		*12/05/2017 00:27*	WG1049340
(S) Dibromofluoromethane	*95.1*			*74.0-131*		*12/05/2017 18:40*	WG1049340
(S) Dibromofluoromethane	*118*			*74.0-131*		*12/05/2017 00:27*	WG1049340
(S) 4-Bromofluorobenzene	*99.0*			*64.0-132*		*12/05/2017 18:40*	WG1049340
(S) 4-Bromofluorobenzene	*97.7*			*64.0-132*		*12/05/2017 00:27*	WG1049340

JC 12/22/17

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

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	92.7		1	12/07/2017 13:01	WG1050628

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0108	0.0540	1	12/05/2017 08:38	WG1049340
Acrylonitrile	U		0.00193	0.0108	1	12/05/2017 08:38	WG1049340
Benzene	U		0.000291	0.00108	1	12/05/2017 08:38	WG1049340
Bromobenzene	U		0.000306	0.00108	1	12/05/2017 08:38	WG1049340
Bromodichloromethane	U		0.000274	0.00108	1	12/05/2017 08:38	WG1049340
Bromochloromethane	U		0.000421	0.00540	1	12/05/2017 08:38	WG1049340
Bromoform	U		0.000458	0.00108	1	12/05/2017 08:38	WG1049340
Bromomethane	U		0.00145	0.00540	1	12/05/2017 08:38	WG1049340
n-Butylbenzene	U		0.000278	0.00108	1	12/05/2017 08:38	WG1049340
sec-Butylbenzene	U		0.000217	0.00108	1	12/05/2017 08:38	WG1049340
tert-Butylbenzene	U		0.000222	0.00108	1	12/05/2017 08:38	WG1049340
Carbon disulfide	U		0.000238	0.00108	1	12/05/2017 08:38	WG1049340
Carbon tetrachloride	U		0.000354	0.00108	1	12/05/2017 08:38	WG1049340
Chlorobenzene	U		0.000229	0.00108	1	12/05/2017 08:38	WG1049340
Chlorodibromomethane	U		0.000403	0.00108	1	12/05/2017 08:38	WG1049340
Chloroethane	U		0.00102	0.00540	1	12/05/2017 08:38	WG1049340
Chloroform	U		0.000247	0.00540	1	12/05/2017 08:38	WG1049340
Chloromethane	U		0.000405	0.00270	1	12/05/2017 08:38	WG1049340
2-Chlorotoluene	U		0.000325	0.00108	1	12/05/2017 08:38	WG1049340
4-Chlorotoluene	U		0.000259	0.00108	1	12/05/2017 08:38	WG1049340
1,2-Dibromo-3-Chloropropane	U		0.00113	0.00540	1	12/05/2017 08:38	WG1049340
1,2-Dibromoethane	U		0.000370	0.00108	1	12/05/2017 08:38	WG1049340
Dibromomethane	U		0.000412	0.00108	1	12/05/2017 08:38	WG1049340
1,2-Dichlorobenzene	U		0.000329	0.00108	1	12/05/2017 08:38	WG1049340
1,3-Dichlorobenzene	U		0.000258	0.00108	1	12/05/2017 08:38	WG1049340
1,4-Dichlorobenzene	U		0.000244	0.00108	1	12/05/2017 08:38	WG1049340
Dichlorodifluoromethane	U		0.000769	0.00540	1	12/05/2017 08:38	WG1049340
1,1-Dichloroethane	U		0.000215	0.00108	1	12/05/2017 08:38	WG1049340
1,2-Dichloroethane	U		0.000286	0.00108	1	12/05/2017 08:38	WG1049340
1,1-Dichloroethene	U		0.000327	0.00108	1	12/05/2017 08:38	WG1049340
cis-1,2-Dichloroethene	0.00266		0.000254	0.00108	1	12/05/2017 08:38	WG1049340
trans-1,2-Dichloroethene	U		0.000285	0.00108	1	12/05/2017 08:38	WG1049340
1,2-Dichloropropane	U		0.000386	0.00108	1	12/05/2017 08:38	WG1049340
1,1-Dichloropropene	U		0.000342	0.00108	1	12/05/2017 08:38	WG1049340
1,3-Dichloropropane	U		0.000223	0.00108	1	12/05/2017 08:38	WG1049340
cis-1,3-Dichloropropene	U		0.000283	0.00108	1	12/05/2017 08:38	WG1049340
trans-1,3-Dichloropropene	U		0.000288	0.00108	1	12/05/2017 08:38	WG1049340
trans-1,4-Dichloro-2-butene	U		0.000840	0.00270	1	12/05/2017 08:38	WG1049340
2,2-Dichloropropane	U		0.000301	0.00108	1	12/05/2017 08:38	WG1049340
Di-isopropyl ether	U		0.000268	0.00108	1	12/05/2017 08:38	WG1049340
Ethylbenzene	U		0.000320	0.00108	1	12/05/2017 08:38	WG1049340
Hexachloro-1,3-butadiene	U		0.000369	0.00108	1	12/05/2017 08:38	WG1049340
2-Hexanone	U		0.00148	0.0108	1	12/05/2017 08:38	WG1049340
n-Hexane	U		0.000313	0.0108	1	12/05/2017 08:38	WG1049340
Iodomethane	U		0.00273	0.0108	1	12/05/2017 08:38	WG1049340
Isopropylbenzene	U		0.000262	0.00108	1	12/05/2017 08:38	WG1049340
p-Isopropyltoluene	U		0.000220	0.00108	1	12/05/2017 08:38	WG1049340
2-Butanone (MEK)	U		0.00505	0.0108	1	12/05/2017 08:38	WG1049340
Methylene Chloride	U		0.00108	0.00540	1	12/05/2017 08:38	WG1049340
4-Methyl-2-pentanone (MIBK)	U		0.00203	0.0108	1	12/05/2017 08:38	WG1049340

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000229	0.00108	1	12/05/2017 08:38	WG1049340
Naphthalene	U		0.00108	0.00540	1	12/05/2017 08:38	WG1049340
n-Propylbenzene	U		0.000222	0.00108	1	12/05/2017 08:38	WG1049340
Styrene	U		0.000253	0.00108	1	12/05/2017 08:38	WG1049340
1,1,1,2-Tetrachloroethane	U		0.000285	0.00108	1	12/05/2017 08:38	WG1049340
1,1,2,2-Tetrachloroethane	U		0.000394	0.00108	1	12/05/2017 08:38	WG1049340
1,1,2-Trichlorotrifluoroethane	U		0.000394	0.00108	1	12/05/2017 08:38	WG1049340
Tetrachloroethene	0.0192		0.000298	0.00108	1	12/05/2017 08:38	WG1049340
Toluene	U		0.000468	0.00540	1	12/05/2017 08:38	WG1049340
1,2,3-Trichlorobenzene	U		0.000330	0.00108	1	12/05/2017 08:38	WG1049340
1,2,4-Trichlorobenzene	U		0.000419	0.00108	1	12/05/2017 08:38	WG1049340
1,1,1-Trichloroethane	U		0.000309	0.00108	1	12/05/2017 08:38	WG1049340
1,1,2-Trichloroethane	U		0.000299	0.00108	1	12/05/2017 08:38	WG1049340
Trichloroethene	0.00321		0.000301	0.00108	1	12/05/2017 08:38	WG1049340
Trichlorofluoromethane	U		0.000412	0.00540	1	12/05/2017 08:38	WG1049340
1,2,3-Trichloropropane	U		0.000800	0.00270	1	12/05/2017 08:38	WG1049340
1,2,4-Trimethylbenzene	U		0.000228	0.00108	1	12/05/2017 08:38	WG1049340
1,2,3-Trimethylbenzene	U		0.000310	0.00108	1	12/05/2017 08:38	WG1049340
1,3,5-Trimethylbenzene	U		0.000287	0.00108	1	12/05/2017 08:38	WG1049340
Vinyl acetate	U		0.00258	0.0108	1	12/05/2017 08:38	WG1049340
Vinyl chloride	U		0.000314	0.00108	1	12/05/2017 08:38	WG1049340
Xylenes, Total	U		0.000753	0.00324	1	12/05/2017 08:38	WG1049340
(S) Toluene-d8	*95.0*			*80.0-120*		*12/05/2017 08:38*	WG1049340
(S) Dibromofluoromethane	*121*			*74.0-131*		*12/05/2017 08:38*	WG1049340
(S) 4-Bromofluorobenzene	*98.8*			*64.0-132*		*12/05/2017 08:38*	WG1049340

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Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	78.2		1	12/07/2017 12:45	WG1050629

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.104 J+	J V3	0.0279	0.139	2.18	12/05/2017 15:49	WG1049340
Acrylonitrile	U		0.00499	0.0279	2.18	12/05/2017 15:49	WG1049340
Benzene	0.00167 J+	J V3	0.000754	0.00279	2.18	12/05/2017 15:49	WG1049340
Bromobenzene	U		0.000792	0.00279	2.18	12/05/2017 15:49	WG1049340
Bromodichloromethane	U		0.000709	0.00279	2.18	12/05/2017 15:49	WG1049340
Bromochloromethane	U		0.00109	0.0139	2.18	12/05/2017 15:49	WG1049340
Bromoform	U		0.00118	0.00279	2.18	12/05/2017 15:49	WG1049340
Bromomethane	U		0.00374	0.0139	2.18	12/05/2017 15:49	WG1049340
n-Butylbenzene	U		0.000719	0.00279	2.18	12/05/2017 15:49	WG1049340
sec-Butylbenzene	U		0.000560	0.00279	2.18	12/05/2017 15:49	WG1049340
tert-Butylbenzene	U		0.000574	0.00279	2.18	12/05/2017 15:49	WG1049340
Carbon disulfide	0.0211 J+	V3	0.000617	0.00279	2.18	12/05/2017 15:49	WG1049340
Carbon tetrachloride	U		0.000915	0.00279	2.18	12/05/2017 15:49	WG1049340
Chlorobenzene	U		0.000591	0.00279	2.18	12/05/2017 15:49	WG1049340
Chlorodibromomethane	U		0.00104	0.00279	2.18	12/05/2017 15:49	WG1049340
Chloroethane	U		0.00264	0.0139	2.18	12/05/2017 15:49	WG1049340
Chloroform	U		0.000638	0.0139	2.18	12/05/2017 15:49	WG1049340
Chloromethane	U		0.00105	0.00697	2.18	12/05/2017 15:49	WG1049340
2-Chlorotoluene	U		0.000839	0.00279	2.18	12/05/2017 15:49	WG1049340
4-Chlorotoluene	U		0.000669	0.00279	2.18	12/05/2017 15:49	WG1049340
1,2-Dibromo-3-Chloropropane	U		0.00293	0.0139	2.18	12/05/2017 15:49	WG1049340
1,2-Dibromoethane	U		0.000957	0.00279	2.18	12/05/2017 15:49	WG1049340
Dibromomethane	U		0.00107	0.00279	2.18	12/05/2017 15:49	WG1049340
1,2-Dichlorobenzene	U		0.000851	0.00279	2.18	12/05/2017 15:49	WG1049340
1,3-Dichlorobenzene	U		0.000667	0.00279	2.18	12/05/2017 15:49	WG1049340
1,4-Dichlorobenzene	U		0.000631	0.00279	2.18	12/05/2017 15:49	WG1049340
Dichlorodifluoromethane	U		0.00198	0.0139	2.18	12/05/2017 15:49	WG1049340
1,1-Dichloroethane	U		0.000555	0.00279	2.18	12/05/2017 15:49	WG1049340
1,2-Dichloroethane	U		0.000739	0.00279	2.18	12/05/2017 15:49	WG1049340
1,1-Dichloroethene	0.00492 J+	V3	0.000844	0.00279	2.18	12/05/2017 15:49	WG1049340
cis-1,2-Dichloroethene	0.0321 J+	V3	0.000655	0.00279	2.18	12/05/2017 15:49	WG1049340
trans-1,2-Dichloroethene	U		0.000737	0.00279	2.18	12/05/2017 15:49	WG1049340
1,2-Dichloropropane	U		0.000998	0.00279	2.18	12/05/2017 15:49	WG1049340
1,1-Dichloropropene	U		0.000884	0.00279	2.18	12/05/2017 15:49	WG1049340
1,3-Dichloropropane	U		0.000577	0.00279	2.18	12/05/2017 15:49	WG1049340
cis-1,3-Dichloropropene	U		0.000731	0.00279	2.18	12/05/2017 15:49	WG1049340
trans-1,3-Dichloropropene	U		0.000745	0.00279	2.18	12/05/2017 15:49	WG1049340
trans-1,4-Dichloro-2-butene	U		0.00217	0.00697	2.18	12/05/2017 15:49	WG1049340
2,2-Dichloropropane	U		0.000778	0.00279	2.18	12/05/2017 15:49	WG1049340
Di-isopropyl ether	U		0.000692	0.00279	2.18	12/05/2017 15:49	WG1049340
Ethylbenzene	U		0.000828	0.00279	2.18	12/05/2017 15:49	WG1049340
Hexachloro-1,3-butadiene	U		0.000954	0.00279	2.18	12/05/2017 15:49	WG1049340
2-Hexanone	U		0.00383	0.0279	2.18	12/05/2017 15:49	WG1049340
n-Hexane	U		0.000809	0.0279	2.18	12/05/2017 15:49	WG1049340
Iodomethane	U		0.00706	0.0279	2.18	12/05/2017 15:49	WG1049340
Isopropylbenzene	U		0.000678	0.00279	2.18	12/05/2017 15:49	WG1049340
p-Isopropyltoluene	0.00104 J+	J V3	0.000569	0.00279	2.18	12/05/2017 15:49	WG1049340
2-Butanone (MEK)	U		0.0130	0.0279	2.18	12/05/2017 15:49	WG1049340
Methylene Chloride	U		0.00279	0.0139	2.18	12/05/2017 15:49	WG1049340
4-Methyl-2-pentanone (MIBK)	U		0.00525	0.0279	2.18	12/05/2017 15:49	WG1049340

JC 12/22/17

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000591	0.00279	2.18	12/05/2017 15:49	WG1049340
Naphthalene	U		0.00279	0.0139	2.18	12/05/2017 15:49	WG1049340
n-Propylbenzene	U		0.000574	0.00279	2.18	12/05/2017 15:49	WG1049340
Styrene	U		0.000652	0.00279	2.18	12/05/2017 15:49	WG1049340
1,1,1,2-Tetrachloroethane	U		0.000737	0.00279	2.18	12/05/2017 15:49	WG1049340
1,1,2,2-Tetrachloroethane	U		0.00102	0.00279	2.18	12/05/2017 15:49	WG1049340
1,1,2-Trichlorotrifluoroethane	U		0.00102	0.00279	2.18	12/05/2017 15:49	WG1049340
Tetrachloroethene	0.172 J+	V3	0.000770	0.00279	2.18	12/05/2017 15:49	WG1049340
Toluene	0.00349 J+	J V3	0.00121	0.0139	2.18	12/05/2017 15:49	WG1049340
1,2,3-Trichlorobenzene	U		0.000853	0.00279	2.18	12/05/2017 15:49	WG1049340
1,2,4-Trichlorobenzene	U		0.00108	0.00279	2.18	12/05/2017 15:49	WG1049340
1,1,1-Trichloroethane	U		0.000797	0.00279	2.18	12/05/2017 15:49	WG1049340
1,1,2-Trichloroethane	U		0.000773	0.00279	2.18	12/05/2017 15:49	WG1049340
Trichloroethene	0.0579 J+	V3	0.000778	0.00279	2.18	12/05/2017 15:49	WG1049340
Trichlorofluoromethane	U		0.00107	0.0139	2.18	12/05/2017 15:49	WG1049340
1,2,3-Trichloropropane	U		0.00207	0.00697	2.18	12/05/2017 15:49	WG1049340
1,2,4-Trimethylbenzene	U		0.000589	0.00279	2.18	12/05/2017 15:49	WG1049340
1,2,3-Trimethylbenzene	U		0.000801	0.00279	2.18	12/05/2017 15:49	WG1049340
1,3,5-Trimethylbenzene	U		0.000742	0.00279	2.18	12/05/2017 15:49	WG1049340
Vinyl acetate	U		0.00667	0.0279	2.18	12/05/2017 15:49	WG1049340
Vinyl chloride	0.00824 J+	V3	0.000811	0.00279	2.18	12/05/2017 15:49	WG1049340
Xylenes, Total	U		0.00194	0.00837	2.18	12/05/2017 15:49	WG1049340
(S) Toluene-d8	*89.9*			*80.0-120*		*12/05/2017 15:49*	WG1049340
(S) Dibromofluoromethane	*105*			*74.0-131*		*12/05/2017 15:49*	WG1049340
(S) 4-Bromofluorobenzene	*101*			*64.0-132*		*12/05/2017 15:49*	WG1049340

Sample Narrative:

L954694-25 WG1049340: Previous run also had low IS/SURR recovery. Matrix effect.

JC 12/22/17

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

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	83.6		1	12/07/2017 12:28	WG1050630

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0141	0.0706	1.18	12/05/2017 16:10	WG1049340
Acrylonitrile	U		0.00252	0.0141	1.18	12/05/2017 16:10	WG1049340
Benzene	0.000420 J	J	0.000381	0.00141	1.18	12/05/2017 16:10	WG1049340
Bromobenzene	U		0.000401	0.00141	1.18	12/05/2017 16:10	WG1049340
Bromodichloromethane	U		0.000359	0.00141	1.18	12/05/2017 16:10	WG1049340
Bromochloromethane	U		0.000550	0.00706	1.18	12/05/2017 16:10	WG1049340
Bromoform	U		0.000598	0.00141	1.18	12/05/2017 16:10	WG1049340
Bromomethane	U		0.00189	0.00706	1.18	12/05/2017 16:10	WG1049340
n-Butylbenzene	U		0.000364	0.00141	1.18	12/05/2017 16:10	WG1049340
sec-Butylbenzene	U		0.000283	0.00141	1.18	12/05/2017 16:10	WG1049340
tert-Butylbenzene	U		0.000291	0.00141	1.18	12/05/2017 16:10	WG1049340
Carbon disulfide	U		0.000312	0.00141	1.18	12/05/2017 16:10	WG1049340
Carbon tetrachloride	U		0.000463	0.00141	1.18	12/05/2017 16:10	WG1049340
Chlorobenzene	U		0.000299	0.00141	1.18	12/05/2017 16:10	WG1049340
Chlorodibromomethane	U		0.000526	0.00141	1.18	12/05/2017 16:10	WG1049340
Chloroethane	U		0.00134	0.00706	1.18	12/05/2017 16:10	WG1049340
Chloroform	U		0.000323	0.00706	1.18	12/05/2017 16:10	WG1049340
Chloromethane	U		0.000529	0.00353	1.18	12/05/2017 16:10	WG1049340
2-Chlorotoluene	U		0.000425	0.00141	1.18	12/05/2017 16:10	WG1049340
4-Chlorotoluene	U		0.000338	0.00141	1.18	12/05/2017 16:10	WG1049340
1,2-Dibromo-3-Chloropropane	U		0.00148	0.00706	1.18	12/05/2017 16:10	WG1049340
1,2-Dibromoethane	U		0.000484	0.00141	1.18	12/05/2017 16:10	WG1049340
Dibromomethane	U		0.000539	0.00141	1.18	12/05/2017 16:10	WG1049340
1,2-Dichlorobenzene	U		0.000431	0.00141	1.18	12/05/2017 16:10	WG1049340
1,3-Dichlorobenzene	U		0.000337	0.00141	1.18	12/05/2017 16:10	WG1049340
1,4-Dichlorobenzene	U		0.000319	0.00141	1.18	12/05/2017 16:10	WG1049340
Dichlorodifluoromethane	U		0.00101	0.00706	1.18	12/05/2017 16:10	WG1049340
1,1-Dichloroethane	U		0.000281	0.00141	1.18	12/05/2017 16:10	WG1049340
1,2-Dichloroethane	U		0.000374	0.00141	1.18	12/05/2017 16:10	WG1049340
1,1-Dichloroethene	U		0.000428	0.00141	1.18	12/05/2017 16:10	WG1049340
cis-1,2-Dichloroethene	0.0101		0.000331	0.00141	1.18	12/05/2017 16:10	WG1049340
trans-1,2-Dichloroethene	U		0.000373	0.00141	1.18	12/05/2017 16:10	WG1049340
1,2-Dichloropropane	U		0.000505	0.00141	1.18	12/05/2017 16:10	WG1049340
1,1-Dichloropropene	U		0.000447	0.00141	1.18	12/05/2017 16:10	WG1049340
1,3-Dichloropropane	U		0.000292	0.00141	1.18	12/05/2017 16:10	WG1049340
cis-1,3-Dichloropropene	U		0.000370	0.00141	1.18	12/05/2017 16:10	WG1049340
trans-1,3-Dichloropropene	U		0.000377	0.00141	1.18	12/05/2017 16:10	WG1049340
trans-1,4-Dichloro-2-butene	U		0.00110	0.00353	1.18	12/05/2017 16:10	WG1049340
2,2-Dichloropropane	U		0.000393	0.00141	1.18	12/05/2017 16:10	WG1049340
Di-isopropyl ether	U		0.000350	0.00141	1.18	12/05/2017 16:10	WG1049340
Ethylbenzene	U		0.000419	0.00141	1.18	12/05/2017 16:10	WG1049340
Hexachloro-1,3-butadiene	U		0.000483	0.00141	1.18	12/05/2017 16:10	WG1049340
2-Hexanone	U		0.00194	0.0141	1.18	12/05/2017 16:10	WG1049340
n-Hexane	U		0.000409	0.0141	1.18	12/05/2017 16:10	WG1049340
Iodomethane	U		0.00356	0.0141	1.18	12/05/2017 16:10	WG1049340
Isopropylbenzene	U		0.000343	0.00141	1.18	12/05/2017 16:10	WG1049340
p-Isopropyltoluene	U		0.000288	0.00141	1.18	12/05/2017 16:10	WG1049340
2-Butanone (MEK)	U		0.00660	0.0141	1.18	12/05/2017 16:10	WG1049340
Methylene Chloride	U		0.00141	0.00706	1.18	12/05/2017 16:10	WG1049340
4-Methyl-2-pentanone (MIBK)	U		0.00265	0.0141	1.18	12/05/2017 16:10	WG1049340

JC 12/22/17

B-233-16

Collected date/time: 12/01/17 12:45

SAMPLE RESULTS - 26

L954694

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000299	0.00141	1.18	12/05/2017 16:10	WG1049340
Naphthalene	U		0.00141	0.00706	1.18	12/05/2017 16:10	WG1049340
n-Propylbenzene	U		0.000291	0.00141	1.18	12/05/2017 16:10	WG1049340
Styrene	U		0.000330	0.00141	1.18	12/05/2017 16:10	WG1049340
1,1,1,2-Tetrachloroethane	U		0.000373	0.00141	1.18	12/05/2017 16:10	WG1049340
1,1,2,2-Tetrachloroethane	U		0.000515	0.00141	1.18	12/05/2017 16:10	WG1049340
1,1,2-Trichlorotrifluoroethane	U		0.000515	0.00141	1.18	12/05/2017 16:10	WG1049340
Tetrachloroethene	0.0231		0.000390	0.00141	1.18	12/05/2017 16:10	WG1049340
Toluene	U		0.000612	0.00706	1.18	12/05/2017 16:10	WG1049340
1,2,3-Trichlorobenzene	U		0.000432	0.00141	1.18	12/05/2017 16:10	WG1049340
1,2,4-Trichlorobenzene	U		0.000548	0.00141	1.18	12/05/2017 16:10	WG1049340
1,1,1-Trichloroethane	U		0.000403	0.00141	1.18	12/05/2017 16:10	WG1049340
1,1,2-Trichloroethane	U		0.000391	0.00141	1.18	12/05/2017 16:10	WG1049340
Trichloroethene	0.00524		0.000393	0.00141	1.18	12/05/2017 16:10	WG1049340
Trichlorofluoromethane	U		0.000539	0.00706	1.18	12/05/2017 16:10	WG1049340
1,2,3-Trichloropropane	U		0.00105	0.00353	1.18	12/05/2017 16:10	WG1049340
1,2,4-Trimethylbenzene	U		0.000298	0.00141	1.18	12/05/2017 16:10	WG1049340
1,2,3-Trimethylbenzene	U		0.000405	0.00141	1.18	12/05/2017 16:10	WG1049340
1,3,5-Trimethylbenzene	U		0.000376	0.00141	1.18	12/05/2017 16:10	WG1049340
Vinyl acetate	U		0.00337	0.0141	1.18	12/05/2017 16:10	WG1049340
Vinyl chloride	0.00358		0.000410	0.00141	1.18	12/05/2017 16:10	WG1049340
Xylenes, Total	U		0.000985	0.00423	1.18	12/05/2017 16:10	WG1049340
(S) Toluene-d8	*91.0*			*80.0-120*		*12/05/2017 16:10*	WG1049340
(S) Dibromofluoromethane	*105*			*74.0-131*		*12/05/2017 16:10*	WG1049340
(S) 4-Bromofluorobenzene	*98.8*			*64.0-132*		*12/05/2017 16:10*	WG1049340

JC 12/22/17

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

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	87.6		1	12/07/2017 13:29	WG1050619

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.285	1.43	25	12/06/2017 15:46	WG1050240
Acrylonitrile	U		0.0511	0.285	25	12/06/2017 15:46	WG1050240
Benzene	U		0.00770	0.0285	25	12/06/2017 15:46	WG1050240
Bromobenzene	U		0.00810	0.0285	25	12/06/2017 15:46	WG1050240
Bromodichloromethane	U		0.00724	0.0285	25	12/06/2017 15:46	WG1050240
Bromochloromethane	U		0.0111	0.143	25	12/06/2017 15:46	WG1050240
Bromoform	U		0.0121	0.0285	25	12/06/2017 15:46	WG1050240
Bromomethane	U UJ	J0	0.0382	0.143	25	12/06/2017 15:46	WG1050240
n-Butylbenzene	U		0.00736	0.0285	25	12/06/2017 15:46	WG1050240
sec-Butylbenzene	U		0.00573	0.0285	25	12/06/2017 15:46	WG1050240
tert-Butylbenzene	U		0.00588	0.0285	25	12/06/2017 15:46	WG1050240
Carbon disulfide	U		0.00630	0.0285	25	12/06/2017 15:46	WG1050240
Carbon tetrachloride	U		0.00936	0.0285	25	12/06/2017 15:46	WG1050240
Chlorobenzene	U		0.00605	0.0285	25	12/06/2017 15:46	WG1050240
Chlorodibromomethane	U		0.0106	0.0285	25	12/06/2017 15:46	WG1050240
Chloroethane	U		0.0269	0.143	25	12/06/2017 15:46	WG1050240
Chloroform	U		0.00653	0.143	25	12/06/2017 15:46	WG1050240
Chloromethane	U		0.0107	0.0713	25	12/06/2017 15:46	WG1050240
2-Chlorotoluene	U		0.00858	0.0285	25	12/06/2017 15:46	WG1050240
4-Chlorotoluene	U		0.00685	0.0285	25	12/06/2017 15:46	WG1050240
1,2-Dibromo-3-Chloropropane	U		0.0299	0.143	25	12/06/2017 15:46	WG1050240
1,2-Dibromoethane	U		0.00979	0.0285	25	12/06/2017 15:46	WG1050240
Dibromomethane	U		0.0109	0.0285	25	12/06/2017 15:46	WG1050240
1,2-Dichlorobenzene	U		0.00869	0.0285	25	12/06/2017 15:46	WG1050240
1,3-Dichlorobenzene	U		0.00682	0.0285	25	12/06/2017 15:46	WG1050240
1,4-Dichlorobenzene	U		0.00645	0.0285	25	12/06/2017 15:46	WG1050240
Dichlorodifluoromethane	U		0.0203	0.143	25	12/06/2017 15:46	WG1050240
1,1-Dichloroethane	U		0.00568	0.0285	25	12/06/2017 15:46	WG1050240
1,2-Dichloroethane	U		0.00755	0.0285	25	12/06/2017 15:46	WG1050240
1,1-Dichloroethene	U		0.00865	0.0285	25	12/06/2017 15:46	WG1050240
cis-1,2-Dichloroethene	0.645		0.00671	0.0285	25	12/06/2017 15:46	WG1050240
trans-1,2-Dichloroethene	0.00859 J	J	0.00753	0.0285	25	12/06/2017 15:46	WG1050240
1,2-Dichloropropane	U		0.0102	0.0285	25	12/06/2017 15:46	WG1050240
1,1-Dichloropropene	U		0.00904	0.0285	25	12/06/2017 15:46	WG1050240
1,3-Dichloropropane	U		0.00591	0.0285	25	12/06/2017 15:46	WG1050240
cis-1,3-Dichloropropene	U		0.00747	0.0285	25	12/06/2017 15:46	WG1050240
trans-1,3-Dichloropropene	U		0.00762	0.0285	25	12/06/2017 15:46	WG1050240
trans-1,4-Dichloro-2-butene	U		0.0221	0.0713	25	12/06/2017 15:46	WG1050240
2,2-Dichloropropane	U UJ	J0 J4	0.00796	0.0285	25	12/06/2017 15:46	WG1050240
Di-isopropyl ether	U		0.00707	0.0285	25	12/06/2017 15:46	WG1050240
Ethylbenzene	U		0.00847	0.0285	25	12/06/2017 15:46	WG1050240
Hexachloro-1,3-butadiene	U UJ	J0	0.00975	0.0285	25	12/06/2017 15:46	WG1050240
2-Hexanone	U		0.0390	0.285	25	12/06/2017 15:46	WG1050240
n-Hexane	U		0.00827	0.285	25	12/06/2017 15:46	WG1050240
Iodomethane	U		0.0721	0.285	25	12/06/2017 15:46	WG1050240
Isopropylbenzene	U		0.00694	0.0285	25	12/06/2017 15:46	WG1050240
p-Isopropyltoluene	U		0.00582	0.0285	25	12/06/2017 15:46	WG1050240
2-Butanone (MEK)	U		0.133	0.285	25	12/06/2017 15:46	WG1050240
Methylene Chloride	U		0.0285	0.143	25	12/06/2017 15:46	WG1050240
4-Methyl-2-pentanone (MIBK)	U		0.0536	0.285	25	12/06/2017 15:46	WG1050240

JC 12/22/17

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.00605	0.0285	25	12/06/2017 15:46	WG1050240
Naphthalene	U		0.0285	0.143	25	12/06/2017 15:46	WG1050240
n-Propylbenzene	U		0.00588	0.0285	25	12/06/2017 15:46	WG1050240
Styrene	U		0.00667	0.0285	25	12/06/2017 15:46	WG1050240
1,1,1,2-Tetrachloroethane	U		0.00753	0.0285	25	12/06/2017 15:46	WG1050240
1,1,2,2-Tetrachloroethane	U		0.0104	0.0285	25	12/06/2017 15:46	WG1050240
1,1,2-Trichlorotrifluoroethane	U		0.0104	0.0285	25	12/06/2017 15:46	WG1050240
Tetrachloroethene	8.23		0.157	0.570	500	12/06/2017 21:55	WG1050240
Toluene	U		0.0123	0.143	25	12/06/2017 15:46	WG1050240
1,2,3-Trichlorobenzene	U		0.00873	0.0285	25	12/06/2017 15:46	WG1050240
1,2,4-Trichlorobenzene	U		0.0111	0.0285	25	12/06/2017 15:46	WG1050240
1,1,1-Trichloroethane	U		0.00816	0.0285	25	12/06/2017 15:46	WG1050240
1,1,2-Trichloroethane	U		0.00790	0.0285	25	12/06/2017 15:46	WG1050240
Trichloroethene	0.434		0.00796	0.0285	25	12/06/2017 15:46	WG1050240
Trichlorofluoromethane	U		0.0109	0.143	25	12/06/2017 15:46	WG1050240
1,2,3-Trichloropropane	U		0.0211	0.0713	25	12/06/2017 15:46	WG1050240
1,2,4-Trimethylbenzene	U		0.00602	0.0285	25	12/06/2017 15:46	WG1050240
1,2,3-Trimethylbenzene	U		0.00819	0.0285	25	12/06/2017 15:46	WG1050240
1,3,5-Trimethylbenzene	U		0.00759	0.0285	25	12/06/2017 15:46	WG1050240
Vinyl acetate	U		0.0682	0.285	25	12/06/2017 15:46	WG1050240
Vinyl chloride	0.0584		0.00831	0.0285	25	12/06/2017 15:46	WG1050240
Xylenes, Total	U		0.0199	0.0856	25	12/06/2017 15:46	WG1050240
(S) Toluene-d8	*102*			*80.0-120*		*12/06/2017 15:46*	WG1050240
(S) Toluene-d8	*104*			*80.0-120*		*12/06/2017 21:55*	WG1050240
(S) Dibromofluoromethane	*95.5*			*74.0-131*		*12/06/2017 15:46*	WG1050240
(S) Dibromofluoromethane	*102*			*74.0-131*		*12/06/2017 21:55*	WG1050240
(S) 4-Bromofluorobenzene	*100*			*64.0-132*		*12/06/2017 15:46*	WG1050240
(S) 4-Bromofluorobenzene	*99.7*			*64.0-132*		*12/06/2017 21:55*	WG1050240

Sample Narrative:

L954694-27 WG1050240: Cannot be analyzed at a lower dilution due to high levels of target analytes.

JC 12/22/17

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	83.7		1	12/07/2017 12:45	WG1050629

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.598	2.99	50	12/06/2017 16:07	WG1050240
Acrylonitrile	U		0.107	0.598	50	12/06/2017 16:07	WG1050240
Benzene	U		0.0161	0.0598	50	12/06/2017 16:07	WG1050240
Bromobenzene	U		0.0170	0.0598	50	12/06/2017 16:07	WG1050240
Bromodichloromethane	U		0.0152	0.0598	50	12/06/2017 16:07	WG1050240
Bromochloromethane	U		0.0233	0.299	50	12/06/2017 16:07	WG1050240
Bromoform	U		0.0253	0.0598	50	12/06/2017 16:07	WG1050240
Bromomethane	U	UJ J0	0.0801	0.299	50	12/06/2017 16:07	WG1050240
n-Butylbenzene	U		0.0154	0.0598	50	12/06/2017 16:07	WG1050240
sec-Butylbenzene	U		0.0120	0.0598	50	12/06/2017 16:07	WG1050240
tert-Butylbenzene	U		0.0123	0.0598	50	12/06/2017 16:07	WG1050240
Carbon disulfide	U		0.0131	0.0598	50	12/06/2017 16:07	WG1050240
Carbon tetrachloride	U		0.0196	0.0598	50	12/06/2017 16:07	WG1050240
Chlorobenzene	U		0.0127	0.0598	50	12/06/2017 16:07	WG1050240
Chlorodibromomethane	U		0.0222	0.0598	50	12/06/2017 16:07	WG1050240
Chloroethane	U		0.0565	0.299	50	12/06/2017 16:07	WG1050240
Chloroform	U		0.0136	0.299	50	12/06/2017 16:07	WG1050240
Chloromethane	U		0.0225	0.149	50	12/06/2017 16:07	WG1050240
2-Chlorotoluene	U		0.0179	0.0598	50	12/06/2017 16:07	WG1050240
4-Chlorotoluene	U		0.0143	0.0598	50	12/06/2017 16:07	WG1050240
1,2-Dibromo-3-Chloropropane	U		0.0628	0.299	50	12/06/2017 16:07	WG1050240
1,2-Dibromoethane	U		0.0206	0.0598	50	12/06/2017 16:07	WG1050240
Dibromomethane	U		0.0228	0.0598	50	12/06/2017 16:07	WG1050240
1,2-Dichlorobenzene	U		0.0182	0.0598	50	12/06/2017 16:07	WG1050240
1,3-Dichlorobenzene	U		0.0143	0.0598	50	12/06/2017 16:07	WG1050240
1,4-Dichlorobenzene	U		0.0135	0.0598	50	12/06/2017 16:07	WG1050240
Dichlorodifluoromethane	U		0.0426	0.299	50	12/06/2017 16:07	WG1050240
1,1-Dichloroethane	U		0.0119	0.0598	50	12/06/2017 16:07	WG1050240
1,2-Dichloroethane	U		0.0158	0.0598	50	12/06/2017 16:07	WG1050240
1,1-Dichloroethene	U		0.0182	0.0598	50	12/06/2017 16:07	WG1050240
cis-1,2-Dichloroethene	2.40		0.0141	0.0598	50	12/06/2017 16:07	WG1050240
trans-1,2-Dichloroethene	U		0.0158	0.0598	50	12/06/2017 16:07	WG1050240
1,2-Dichloropropane	U		0.0214	0.0598	50	12/06/2017 16:07	WG1050240
1,1-Dichloropropene	U		0.0189	0.0598	50	12/06/2017 16:07	WG1050240
1,3-Dichloropropane	U		0.0124	0.0598	50	12/06/2017 16:07	WG1050240
cis-1,3-Dichloropropene	U		0.0157	0.0598	50	12/06/2017 16:07	WG1050240
trans-1,3-Dichloropropene	U		0.0160	0.0598	50	12/06/2017 16:07	WG1050240
trans-1,4-Dichloro-2-butene	U		0.0465	0.149	50	12/06/2017 16:07	WG1050240
2,2-Dichloropropane	U	UJ J0 J4	0.0167	0.0598	50	12/06/2017 16:07	WG1050240
Di-isopropyl ether	U		0.0148	0.0598	50	12/06/2017 16:07	WG1050240
Ethylbenzene	U		0.0177	0.0598	50	12/06/2017 16:07	WG1050240
Hexachloro-1,3-butadiene	U	UJ J0	0.0204	0.0598	50	12/06/2017 16:07	WG1050240
2-Hexanone	U		0.0819	0.598	50	12/06/2017 16:07	WG1050240
n-Hexane	U		0.0173	0.598	50	12/06/2017 16:07	WG1050240
Iodomethane	U		0.151	0.598	50	12/06/2017 16:07	WG1050240
Isopropylbenzene	U		0.0146	0.0598	50	12/06/2017 16:07	WG1050240
p-Isopropyltoluene	U		0.0122	0.0598	50	12/06/2017 16:07	WG1050240
2-Butanone (MEK)	U		0.280	0.598	50	12/06/2017 16:07	WG1050240
Methylene Chloride	U		0.0598	0.299	50	12/06/2017 16:07	WG1050240
4-Methyl-2-pentanone (MIBK)	U		0.112	0.598	50	12/06/2017 16:07	WG1050240

JC 12/22/17

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.0127	0.0598	50	12/06/2017 16:07	WG1050240
Naphthalene	U		0.0598	0.299	50	12/06/2017 16:07	WG1050240
n-Propylbenzene	U		0.0123	0.0598	50	12/06/2017 16:07	WG1050240
Styrene	U		0.0140	0.0598	50	12/06/2017 16:07	WG1050240
1,1,1,2-Tetrachloroethane	U		0.0158	0.0598	50	12/06/2017 16:07	WG1050240
1,1,2,2-Tetrachloroethane	U		0.0218	0.0598	50	12/06/2017 16:07	WG1050240
1,1,2-Trichlorotrifluoroethane	U		0.0218	0.0598	50	12/06/2017 16:07	WG1050240
Tetrachloroethene	9.90		0.165	0.598	500	12/06/2017 22:14	WG1050240
Toluene	U		0.0259	0.299	50	12/06/2017 16:07	WG1050240
1,2,3-Trichlorobenzene	U		0.0183	0.0598	50	12/06/2017 16:07	WG1050240
1,2,4-Trichlorobenzene	U		0.0232	0.0598	50	12/06/2017 16:07	WG1050240
1,1,1-Trichloroethane	U		0.0171	0.0598	50	12/06/2017 16:07	WG1050240
1,1,2-Trichloroethane	U		0.0165	0.0598	50	12/06/2017 16:07	WG1050240
Trichloroethene	2.55		0.0167	0.0598	50	12/06/2017 16:07	WG1050240
Trichlorofluoromethane	U		0.0228	0.299	50	12/06/2017 16:07	WG1050240
1,2,3-Trichloropropane	U		0.0442	0.149	50	12/06/2017 16:07	WG1050240
1,2,4-Trimethylbenzene	U		0.0127	0.0598	50	12/06/2017 16:07	WG1050240
1,2,3-Trimethylbenzene	U		0.0172	0.0598	50	12/06/2017 16:07	WG1050240
1,3,5-Trimethylbenzene	U		0.0159	0.0598	50	12/06/2017 16:07	WG1050240
Vinyl acetate	U		0.143	0.598	50	12/06/2017 16:07	WG1050240
Vinyl chloride	0.0261 J	J	0.0175	0.0598	50	12/06/2017 16:07	WG1050240
Xylenes, Total	U		0.0417	0.179	50	12/06/2017 16:07	WG1050240
(S) Toluene-d8	*102*			*80.0-120*		*12/06/2017 16:07*	WG1050240
(S) Toluene-d8	*102*			*80.0-120*		*12/06/2017 22:14*	WG1050240
(S) Dibromofluoromethane	*96.7*			*74.0-131*		*12/06/2017 16:07*	WG1050240
(S) Dibromofluoromethane	*104*			*74.0-131*		*12/06/2017 22:14*	WG1050240
(S) 4-Bromofluorobenzene	*98.5*			*64.0-132*		*12/06/2017 22:14*	WG1050240
(S) 4-Bromofluorobenzene	*99.7*			*64.0-132*		*12/06/2017 16:07*	WG1050240

Sample Narrative:

L954694-28 WG1050240: Cannot be analyzed at a lower dilution due to high levels of target analytes.

JC 12/22/17

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	80.4		1	12/07/2017 13:29	WG1050619

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.311	1.55	25	12/06/2017 16:28	WG1050240
Acrylonitrile	U		0.0557	0.311	25	12/06/2017 16:28	WG1050240
Benzene	U		0.00839	0.0311	25	12/06/2017 16:28	WG1050240
Bromobenzene	U		0.00883	0.0311	25	12/06/2017 16:28	WG1050240
Bromodichloromethane	U		0.00790	0.0311	25	12/06/2017 16:28	WG1050240
Bromochloromethane	U		0.0121	0.155	25	12/06/2017 16:28	WG1050240
Bromoform	U		0.0132	0.0311	25	12/06/2017 16:28	WG1050240
Bromomethane	U UJ	J0	0.0417	0.155	25	12/06/2017 16:28	WG1050240
n-Butylbenzene	U		0.00802	0.0311	25	12/06/2017 16:28	WG1050240
sec-Butylbenzene	U		0.00624	0.0311	25	12/06/2017 16:28	WG1050240
tert-Butylbenzene	U		0.00640	0.0311	25	12/06/2017 16:28	WG1050240
Carbon disulfide	U		0.00686	0.0311	25	12/06/2017 16:28	WG1050240
Carbon tetrachloride	U		0.0102	0.0311	25	12/06/2017 16:28	WG1050240
Chlorobenzene	U		0.00659	0.0311	25	12/06/2017 16:28	WG1050240
Chlorodibromomethane	U		0.0116	0.0311	25	12/06/2017 16:28	WG1050240
Chloroethane	U		0.0293	0.155	25	12/06/2017 16:28	WG1050240
Chloroform	U		0.00711	0.155	25	12/06/2017 16:28	WG1050240
Chloromethane	U		0.0117	0.0777	25	12/06/2017 16:28	WG1050240
2-Chlorotoluene	U		0.00935	0.0311	25	12/06/2017 16:28	WG1050240
4-Chlorotoluene	U		0.00746	0.0311	25	12/06/2017 16:28	WG1050240
1,2-Dibromo-3-Chloropropane	U		0.0326	0.155	25	12/06/2017 16:28	WG1050240
1,2-Dibromoethane	U		0.0107	0.0311	25	12/06/2017 16:28	WG1050240
Dibromomethane	U		0.0119	0.0311	25	12/06/2017 16:28	WG1050240
1,2-Dichlorobenzene	U		0.00947	0.0311	25	12/06/2017 16:28	WG1050240
1,3-Dichlorobenzene	U		0.00744	0.0311	25	12/06/2017 16:28	WG1050240
1,4-Dichlorobenzene	U		0.00703	0.0311	25	12/06/2017 16:28	WG1050240
Dichlorodifluoromethane	U		0.0221	0.155	25	12/06/2017 16:28	WG1050240
1,1-Dichloroethane	U		0.00619	0.0311	25	12/06/2017 16:28	WG1050240
1,2-Dichloroethane	U		0.00823	0.0311	25	12/06/2017 16:28	WG1050240
1,1-Dichloroethene	U		0.00942	0.0311	25	12/06/2017 16:28	WG1050240
cis-1,2-Dichloroethene	1.65		0.00731	0.0311	25	12/06/2017 16:28	WG1050240
trans-1,2-Dichloroethene	U		0.00821	0.0311	25	12/06/2017 16:28	WG1050240
1,2-Dichloropropane	U		0.0111	0.0311	25	12/06/2017 16:28	WG1050240
1,1-Dichloropropene	U		0.00985	0.0311	25	12/06/2017 16:28	WG1050240
1,3-Dichloropropane	U		0.00644	0.0311	25	12/06/2017 16:28	WG1050240
cis-1,3-Dichloropropene	U		0.00814	0.0311	25	12/06/2017 16:28	WG1050240
trans-1,3-Dichloropropene	U		0.00831	0.0311	25	12/06/2017 16:28	WG1050240
trans-1,4-Dichloro-2-butene	U		0.0241	0.0777	25	12/06/2017 16:28	WG1050240
2,2-Dichloropropane	U UJ	J0 J4	0.00868	0.0311	25	12/06/2017 16:28	WG1050240
Di-isopropyl ether	U		0.00771	0.0311	25	12/06/2017 16:28	WG1050240
Ethylbenzene	U		0.00923	0.0311	25	12/06/2017 16:28	WG1050240
Hexachloro-1,3-butadiene	U UJ	J0	0.0106	0.0311	25	12/06/2017 16:28	WG1050240
2-Hexanone	U		0.0425	0.311	25	12/06/2017 16:28	WG1050240
n-Hexane	U		0.00901	0.311	25	12/06/2017 16:28	WG1050240
Iodomethane	U		0.0786	0.311	25	12/06/2017 16:28	WG1050240
Isopropylbenzene	U		0.00756	0.0311	25	12/06/2017 16:28	WG1050240
p-Isopropyltoluene	U		0.00634	0.0311	25	12/06/2017 16:28	WG1050240
2-Butanone (MEK)	U		0.145	0.311	25	12/06/2017 16:28	WG1050240
Methylene Chloride	U		0.0311	0.155	25	12/06/2017 16:28	WG1050240
4-Methyl-2-pentanone (MIBK)	U		0.0584	0.311	25	12/06/2017 16:28	WG1050240

JC 12/22/17

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.00659	0.0311	25	12/06/2017 16:28	WG1050240
Naphthalene	U		0.0311	0.155	25	12/06/2017 16:28	WG1050240
n-Propylbenzene	U		0.00640	0.0311	25	12/06/2017 16:28	WG1050240
Styrene	U		0.00727	0.0311	25	12/06/2017 16:28	WG1050240
1,1,1,2-Tetrachloroethane	U		0.00821	0.0311	25	12/06/2017 16:28	WG1050240
1,1,2,2-Tetrachloroethane	U		0.0113	0.0311	25	12/06/2017 16:28	WG1050240
1,1,2-Trichlorotrifluoroethane	U		0.0113	0.0311	25	12/06/2017 16:28	WG1050240
Tetrachloroethene	17.3		0.172	0.622	500	12/06/2017 22:34	WG1050240
Toluene	U		0.0134	0.155	25	12/06/2017 16:28	WG1050240
1,2,3-Trichlorobenzene	U		0.00951	0.0311	25	12/06/2017 16:28	WG1050240
1,2,4-Trichlorobenzene	U		0.0121	0.0311	25	12/06/2017 16:28	WG1050240
1,1,1-Trichloroethane	U		0.00889	0.0311	25	12/06/2017 16:28	WG1050240
1,1,2-Trichloroethane	U		0.00860	0.0311	25	12/06/2017 16:28	WG1050240
Trichloroethene	1.99		0.00868	0.0311	25	12/06/2017 16:28	WG1050240
Trichlorofluoromethane	U		0.0119	0.155	25	12/06/2017 16:28	WG1050240
1,2,3-Trichloropropane	U		0.0230	0.0777	25	12/06/2017 16:28	WG1050240
1,2,4-Trimethylbenzene	U		0.00657	0.0311	25	12/06/2017 16:28	WG1050240
1,2,3-Trimethylbenzene	U		0.00893	0.0311	25	12/06/2017 16:28	WG1050240
1,3,5-Trimethylbenzene	U		0.00827	0.0311	25	12/06/2017 16:28	WG1050240
Vinyl acetate	U		0.0744	0.311	25	12/06/2017 16:28	WG1050240
Vinyl chloride	0.0519		0.00905	0.0311	25	12/06/2017 16:28	WG1050240
Xylenes, Total	U		0.0216	0.0933	25	12/06/2017 16:28	WG1050240
(S) Toluene-d8	*105*			*80.0-120*		*12/06/2017 22:34*	WG1050240
(S) Toluene-d8	*102*			*80.0-120*		*12/06/2017 16:28*	WG1050240
(S) Dibromofluoromethane	*96.9*			*74.0-131*		*12/06/2017 16:28*	WG1050240
(S) Dibromofluoromethane	*103*			*74.0-131*		*12/06/2017 22:34*	WG1050240
(S) 4-Bromofluorobenzene	*98.3*			*64.0-132*		*12/06/2017 16:28*	WG1050240
(S) 4-Bromofluorobenzene	*100*			*64.0-132*		*12/06/2017 22:34*	WG1050240

Sample Narrative:

L954694-29 WG1050240: Cannot be analyzed at a lower dilution due to high levels of target analytes.

JC 12/22/17

B-233-36

Collected date/time: 12/01/17 13:30

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

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	88.8		1	12/07/2017 13:29	WG1050619

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.281	1.41	25	12/05/2017 09:39	WG1049340
Acrylonitrile	U		0.0504	0.281	25	12/05/2017 09:39	WG1049340
Benzene	U		0.00760	0.0281	25	12/05/2017 09:39	WG1049340
Bromobenzene	U		0.00799	0.0281	25	12/05/2017 09:39	WG1049340
Bromodichloromethane	U		0.00715	0.0281	25	12/05/2017 09:39	WG1049340
Bromochloromethane	U		0.0110	0.141	25	12/05/2017 09:39	WG1049340
Bromoform	U		0.0119	0.0281	25	12/05/2017 09:39	WG1049340
Bromomethane	U		0.0377	0.141	25	12/05/2017 09:39	WG1049340
n-Butylbenzene	U		0.00726	0.0281	25	12/05/2017 09:39	WG1049340
sec-Butylbenzene	U		0.00565	0.0281	25	12/05/2017 09:39	WG1049340
tert-Butylbenzene	U		0.00580	0.0281	25	12/05/2017 09:39	WG1049340
Carbon disulfide	U		0.00621	0.0281	25	12/05/2017 09:39	WG1049340
Carbon tetrachloride	U		0.00923	0.0281	25	12/05/2017 09:39	WG1049340
Chlorobenzene	U		0.00597	0.0281	25	12/05/2017 09:39	WG1049340
Chlorodibromomethane	U		0.0105	0.0281	25	12/05/2017 09:39	WG1049340
Chloroethane	U		0.0266	0.141	25	12/05/2017 09:39	WG1049340
Chloroform	U		0.00644	0.141	25	12/05/2017 09:39	WG1049340
Chloromethane	U		0.0106	0.0703	25	12/05/2017 09:39	WG1049340
2-Chlorotoluene	U		0.00846	0.0281	25	12/05/2017 09:39	WG1049340
4-Chlorotoluene	U		0.00675	0.0281	25	12/05/2017 09:39	WG1049340
1,2-Dibromo-3-Chloropropane	U		0.0295	0.141	25	12/05/2017 09:39	WG1049340
1,2-Dibromoethane	U		0.00966	0.0281	25	12/05/2017 09:39	WG1049340
Dibromomethane	U		0.0107	0.0281	25	12/05/2017 09:39	WG1049340
1,2-Dichlorobenzene	U		0.00858	0.0281	25	12/05/2017 09:39	WG1049340
1,3-Dichlorobenzene	U		0.00673	0.0281	25	12/05/2017 09:39	WG1049340
1,4-Dichlorobenzene	U		0.00636	0.0281	25	12/05/2017 09:39	WG1049340
Dichlorodifluoromethane	U		0.0200	0.141	25	12/05/2017 09:39	WG1049340
1,1-Dichloroethane	U		0.00561	0.0281	25	12/05/2017 09:39	WG1049340
1,2-Dichloroethane	U		0.00745	0.0281	25	12/05/2017 09:39	WG1049340
1,1-Dichloroethene	U		0.00853	0.0281	25	12/05/2017 09:39	WG1049340
cis-1,2-Dichloroethene	0.969		0.00662	0.0281	25	12/05/2017 09:39	WG1049340
trans-1,2-Dichloroethene	U		0.00743	0.0281	25	12/05/2017 09:39	WG1049340
1,2-Dichloropropane	U		0.0101	0.0281	25	12/05/2017 09:39	WG1049340
1,1-Dichloropropene	U		0.00891	0.0281	25	12/05/2017 09:39	WG1049340
1,3-Dichloropropane	U		0.00583	0.0281	25	12/05/2017 09:39	WG1049340
cis-1,3-Dichloropropene	U		0.00737	0.0281	25	12/05/2017 09:39	WG1049340
trans-1,3-Dichloropropene	U		0.00752	0.0281	25	12/05/2017 09:39	WG1049340
trans-1,4-Dichloro-2-butene	U		0.0218	0.0703	25	12/05/2017 09:39	WG1049340
2,2-Dichloropropane	U		0.00786	0.0281	25	12/05/2017 09:39	WG1049340
Di-isopropyl ether	U		0.00698	0.0281	25	12/05/2017 09:39	WG1049340
Ethylbenzene	U		0.00835	0.0281	25	12/05/2017 09:39	WG1049340
Hexachloro-1,3-butadiene	U		0.00962	0.0281	25	12/05/2017 09:39	WG1049340
2-Hexanone	U		0.0385	0.281	25	12/05/2017 09:39	WG1049340
n-Hexane	U		0.00816	0.281	25	12/05/2017 09:39	WG1049340
Iodomethane	U		0.0711	0.281	25	12/05/2017 09:39	WG1049340
Isopropylbenzene	U		0.00684	0.0281	25	12/05/2017 09:39	WG1049340
p-Isopropyltoluene	U		0.00574	0.0281	25	12/05/2017 09:39	WG1049340
2-Butanone (MEK)	U		0.132	0.281	25	12/05/2017 09:39	WG1049340
Methylene Chloride	U		0.0281	0.141	25	12/05/2017 09:39	WG1049340
4-Methyl-2-pentanone (MIBK)	U		0.0529	0.281	25	12/05/2017 09:39	WG1049340

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.00597	0.0281	25	12/05/2017 09:39	WG1049340
Naphthalene	U		0.0281	0.141	25	12/05/2017 09:39	WG1049340
n-Propylbenzene	U		0.00580	0.0281	25	12/05/2017 09:39	WG1049340
Styrene	U		0.00658	0.0281	25	12/05/2017 09:39	WG1049340
1,1,1,2-Tetrachloroethane	U		0.00743	0.0281	25	12/05/2017 09:39	WG1049340
1,1,2,2-Tetrachloroethane	U		0.0103	0.0281	25	12/05/2017 09:39	WG1049340
1,1,2-Trichlorotrifluoroethane	U		0.0103	0.0281	25	12/05/2017 09:39	WG1049340
Tetrachloroethene	6.26		0.0621	0.225	200	12/05/2017 22:11	WG1049340
Toluene	U		0.0122	0.141	25	12/05/2017 09:39	WG1049340
1,2,3-Trichlorobenzene	U		0.00861	0.0281	25	12/05/2017 09:39	WG1049340
1,2,4-Trichlorobenzene	U		0.0109	0.0281	25	12/05/2017 09:39	WG1049340
1,1,1-Trichloroethane	U		0.00805	0.0281	25	12/05/2017 09:39	WG1049340
1,1,2-Trichloroethane	U		0.00779	0.0281	25	12/05/2017 09:39	WG1049340
Trichloroethene	0.474		0.00786	0.0281	25	12/05/2017 09:39	WG1049340
Trichlorofluoromethane	U		0.0107	0.141	25	12/05/2017 09:39	WG1049340
1,2,3-Trichloropropane	U		0.0208	0.0703	25	12/05/2017 09:39	WG1049340
1,2,4-Trimethylbenzene	U		0.00594	0.0281	25	12/05/2017 09:39	WG1049340
1,2,3-Trimethylbenzene	U		0.00808	0.0281	25	12/05/2017 09:39	WG1049340
1,3,5-Trimethylbenzene	U		0.00749	0.0281	25	12/05/2017 09:39	WG1049340
Vinyl acetate	U		0.0673	0.281	25	12/05/2017 09:39	WG1049340
Vinyl chloride	0.0404		0.00819	0.0281	25	12/05/2017 09:39	WG1049340
Xylenes, Total	U		0.0196	0.0844	25	12/05/2017 09:39	WG1049340
(S) Toluene-d8	*98.5*			*80.0-120*		*12/05/2017 22:11*	WG1049340
(S) Toluene-d8	*104*			*80.0-120*		*12/05/2017 09:39*	WG1049340
(S) Dibromofluoromethane	*99.0*			*74.0-131*		*12/05/2017 22:11*	WG1049340
(S) Dibromofluoromethane	*101*			*74.0-131*		*12/05/2017 09:39*	WG1049340
(S) 4-Bromofluorobenzene	*99.7*			*64.0-132*		*12/05/2017 22:11*	WG1049340
(S) 4-Bromofluorobenzene	*103*			*64.0-132*		*12/05/2017 09:39*	WG1049340

Sample Narrative:

L954694-30 WG1049340: Cannot be analyzed at a lower dilution due to high levels of target analytes.

JC 12/22/17

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

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U	J4	1.05	25.0	1	12/05/2017 13:01	WG1049615
Acrylonitrile	U		0.873	5.00	1	12/05/2017 13:01	WG1049615
Benzene	U		0.0896	0.500	1	12/05/2017 13:01	WG1049615
Bromobenzene	U		0.133	0.500	1	12/05/2017 13:01	WG1049615
Bromodichloromethane	U		0.0800	0.500	1	12/05/2017 13:01	WG1049615
Bromochloromethane	U		0.145	0.500	1	12/05/2017 13:01	WG1049615
Bromoform	U		0.186	0.500	1	12/05/2017 13:01	WG1049615
Bromomethane	U		0.157	2.50	1	12/05/2017 13:01	WG1049615
n-Butylbenzene	U		0.143	0.500	1	12/05/2017 13:01	WG1049615
sec-Butylbenzene	U		0.134	0.500	1	12/05/2017 13:01	WG1049615
tert-Butylbenzene	U		0.183	0.500	1	12/05/2017 13:01	WG1049615
Carbon disulfide	U		0.101	0.500	1	12/05/2017 13:01	WG1049615
Carbon tetrachloride	U		0.159	0.500	1	12/05/2017 13:01	WG1049615
Chlorobenzene	U		0.140	0.500	1	12/05/2017 13:01	WG1049615
Chlorodibromomethane	U		0.128	0.500	1	12/05/2017 13:01	WG1049615
Chloroethane	U		0.141	2.50	1	12/05/2017 13:01	WG1049615
Chloroform	U		0.0860	0.500	1	12/05/2017 13:01	WG1049615
Chloromethane	U		0.153	1.25	1	12/05/2017 13:01	WG1049615
2-Chlorotoluene	U		0.111	0.500	1	12/05/2017 13:01	WG1049615
4-Chlorotoluene	U		0.0972	0.500	1	12/05/2017 13:01	WG1049615
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	12/05/2017 13:01	WG1049615
1,2-Dibromoethane	U		0.193	0.500	1	12/05/2017 13:01	WG1049615
Dibromomethane	U		0.117	0.500	1	12/05/2017 13:01	WG1049615
1,2-Dichlorobenzene	U		0.101	0.500	1	12/05/2017 13:01	WG1049615
1,3-Dichlorobenzene	U		0.130	0.500	1	12/05/2017 13:01	WG1049615
1,4-Dichlorobenzene	U		0.121	0.500	1	12/05/2017 13:01	WG1049615
Dichlorodifluoromethane	U		0.127	2.50	1	12/05/2017 13:01	WG1049615
1,1-Dichloroethane	U		0.114	0.500	1	12/05/2017 13:01	WG1049615
1,2-Dichloroethane	U		0.108	0.500	1	12/05/2017 13:01	WG1049615
1,1-Dichloroethene	U		0.188	0.500	1	12/05/2017 13:01	WG1049615
cis-1,2-Dichloroethene	U		0.0933	0.500	1	12/05/2017 13:01	WG1049615
trans-1,2-Dichloroethene	U		0.152	0.500	1	12/05/2017 13:01	WG1049615
1,2-Dichloropropane	U		0.190	0.500	1	12/05/2017 13:01	WG1049615
1,1-Dichloropropene	U		0.128	0.500	1	12/05/2017 13:01	WG1049615
1,3-Dichloropropane	U		0.147	1.00	1	12/05/2017 13:01	WG1049615
cis-1,3-Dichloropropene	U		0.0976	0.500	1	12/05/2017 13:01	WG1049615
trans-1,3-Dichloropropene	U		0.222	0.500	1	12/05/2017 13:01	WG1049615
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	12/05/2017 13:01	WG1049615
2,2-Dichloropropane	U		0.0929	0.500	1	12/05/2017 13:01	WG1049615
Di-isopropyl ether	U		0.0924	0.500	1	12/05/2017 13:01	WG1049615
Ethylbenzene	U		0.158	0.500	1	12/05/2017 13:01	WG1049615
Hexachloro-1,3-butadiene	U		0.157	1.00	1	12/05/2017 13:01	WG1049615
2-Hexanone	U		0.757	5.00	1	12/05/2017 13:01	WG1049615
n-Hexane	U		0.305	5.00	1	12/05/2017 13:01	WG1049615
Iodomethane	U		0.377	10.0	1	12/05/2017 13:01	WG1049615
Isopropylbenzene	U		0.126	0.500	1	12/05/2017 13:01	WG1049615
p-Isopropyltoluene	U		0.138	0.500	1	12/05/2017 13:01	WG1049615
2-Butanone (MEK)	U		1.28	5.00	1	12/05/2017 13:01	WG1049615
Methylene Chloride	U		1.07	2.50	1	12/05/2017 13:01	WG1049615
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	12/05/2017 13:01	WG1049615
Methyl tert-butyl ether	U		0.102	0.500	1	12/05/2017 13:01	WG1049615
Naphthalene	U		0.174	2.50	1	12/05/2017 13:01	WG1049615
n-Propylbenzene	U		0.162	0.500	1	12/05/2017 13:01	WG1049615
Styrene	U		0.117	0.500	1	12/05/2017 13:01	WG1049615
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	12/05/2017 13:01	WG1049615
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	12/05/2017 13:01	WG1049615

JC 12/22/17

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	12/05/2017 13:01	WG1049615
Tetrachloroethene	U		0.199	0.500	1	12/05/2017 13:01	WG1049615
Toluene	U		0.412	0.500	1	12/05/2017 13:01	WG1049615
1,2,3-Trichlorobenzene	U		0.164	0.500	1	12/05/2017 13:01	WG1049615
1,2,4-Trichlorobenzene	U		0.355	0.500	1	12/05/2017 13:01	WG1049615
1,1,1-Trichloroethane	U		0.0940	0.500	1	12/05/2017 13:01	WG1049615
1,1,2-Trichloroethane	U		0.186	0.500	1	12/05/2017 13:01	WG1049615
Trichloroethene	U		0.153	0.500	1	12/05/2017 13:01	WG1049615
Trichlorofluoromethane	U		0.130	2.50	1	12/05/2017 13:01	WG1049615
1,2,3-Trichloropropane	U		0.247	2.50	1	12/05/2017 13:01	WG1049615
1,2,4-Trimethylbenzene	U		0.123	0.500	1	12/05/2017 13:01	WG1049615
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	12/05/2017 13:01	WG1049615
1,3,5-Trimethylbenzene	U		0.124	0.500	1	12/05/2017 13:01	WG1049615
Vinyl acetate	U		0.645	5.00	1	12/05/2017 13:01	WG1049615
Vinyl chloride	U		0.118	0.500	1	12/05/2017 13:01	WG1049615
Xylenes, Total	U		0.316	1.50	1	12/05/2017 13:01	WG1049615
(S) Toluene-d8	*101*			*80.0-120*		*12/05/2017 13:01*	WG1049615
(S) Dibromofluoromethane	*98.6*			*76.0-123*		*12/05/2017 13:01*	WG1049615
(S) 4-Bromofluorobenzene	*100*			*80.0-120*		*12/05/2017 13:01*	WG1049615

JC 12/22/17

ANALYTICAL REPORT

December 13, 2017

PES Environmental, Inc.- WA

Sample Delivery Group:	L955420
Samples Received:	12/06/2017
Project Number:	1413.001.02.602
Description:	American Linen Project
Site:	1413.001.02.602
Report To:	Bill Haldeman 1215 Fourth Ave., Suite 1350 Seattle, WA 98161

Entire Report Reviewed By: Brian Ford

Brian Ford
Technical Service Representative

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B-234-11 L955420-01 Solid

Collected by	Collected date/time	Received date/time
Karsten Springstead	12/04/17 10:10	12/06/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1051549	1	12/09/17 11:11	12/09/17 11:27	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1050481	1	12/04/17 10:10	12/07/17 01:51	JAH

B-234-30 L955420-02 Solid

Collected by	Collected date/time	Received date/time
Karsten Springstead	12/04/17 10:35	12/06/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1051549	1	12/09/17 11:11	12/09/17 11:27	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1050481	1	12/04/17 10:35	12/07/17 02:12	JAH

B-234A-35 L955420-03 Solid

Collected by	Collected date/time	Received date/time
Karsten Springstead	12/04/17 12:20	12/06/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1051549	1	12/09/17 11:11	12/09/17 11:27	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1050481	1	12/04/17 12:20	12/07/17 02:33	JAH

B-234A-40 L955420-04 Solid

Collected by	Collected date/time	Received date/time
Karsten Springstead	12/04/17 12:30	12/06/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1051549	1	12/09/17 11:11	12/09/17 11:27	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1050481	1	12/04/17 12:30	12/07/17 02:55	JAH

B-234A-42 L955420-05 Solid

Collected by	Collected date/time	Received date/time
Karsten Springstead	12/04/17 12:35	12/06/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1051549	1	12/09/17 11:11	12/09/17 11:27	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1050481	1	12/04/17 12:35	12/07/17 03:16	JAH
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1050481	25	12/04/17 12:35	12/11/17 03:24	JAH

B-234A-45 L955420-06 Solid

Collected by	Collected date/time	Received date/time
Karsten Springstead	12/04/17 12:45	12/06/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1051549	1	12/09/17 11:11	12/09/17 11:27	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1050481	1	12/04/17 12:45	12/07/17 03:37	JAH
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1050481	25	12/04/17 12:45	12/11/17 03:45	JAH

B-924-30 L955420-07 Solid

Collected by	Collected date/time	Received date/time
Karsten Springstead	12/04/17 11:00	12/06/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1051549	1	12/09/17 11:11	12/09/17 11:27	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1050481	1	12/04/17 11:00	12/07/17 03:58	JAH
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1050481	50	12/04/17 11:00	12/11/17 04:06	JAH

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

B-235-15 L955420-08 Solid

Collected by	Collected date/time	Received date/time
Karsten Springstead	12/04/17 15:10	12/06/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1051549	1	12/09/17 11:11	12/09/17 11:27	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1050481	1	12/04/17 15:10	12/10/17 16:44	ACG
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1050481	1.08	12/04/17 15:10	12/07/17 04:19	JAH

B-235-35 L955420-09 Solid

Collected by	Collected date/time	Received date/time
Karsten Springstead	12/05/17 09:15	12/06/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1051549	1	12/09/17 11:11	12/09/17 11:27	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1050481	1	12/05/17 09:15	12/10/17 17:04	ACG

B-235-40 L955420-10 Solid

Collected by	Collected date/time	Received date/time
Karsten Springstead	12/05/17 09:25	12/06/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1051550	1	12/11/17 15:36	12/11/17 15:49	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1050481	1	12/05/17 09:25	12/10/17 17:24	ACG
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1050481	25	12/05/17 09:25	12/11/17 18:04	BMB

B-235-42.5 L955420-11 Solid

Collected by	Collected date/time	Received date/time
Karsten Springstead	12/05/17 09:35	12/06/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1051550	1	12/11/17 15:36	12/11/17 15:49	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1050481	200	12/05/17 09:35	12/12/17 14:08	BMB

B-235-45 L955420-12 Solid

Collected by	Collected date/time	Received date/time
Karsten Springstead	12/05/17 09:45	12/06/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1051550	1	12/11/17 15:36	12/11/17 15:49	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1050481	1	12/05/17 09:45	12/07/17 05:44	JAH
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1050481	135	12/05/17 09:45	12/11/17 04:48	JAH

B-236-20 L955420-13 Solid

Collected by	Collected date/time	Received date/time
Karsten Springstead	12/05/17 13:00	12/06/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1051550	1	12/11/17 15:36	12/11/17 15:49	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1050481	1	12/05/17 13:00	12/07/17 06:05	JAH
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1050481	1	12/05/17 13:00	12/10/17 17:44	ACG

B-236-35 L955420-14 Solid

Collected by	Collected date/time	Received date/time
Karsten Springstead	12/05/17 13:30	12/06/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1051550	1	12/11/17 15:36	12/11/17 15:49	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1050481	1	12/05/17 13:30	12/10/17 18:04	ACG
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1050481	1.63	12/05/17 13:30	12/07/17 06:26	JAH

B-236-40 L955420-15 Solid

Collected by	Collected date/time	Received date/time
Karsten Springstead	12/05/17 13:35	12/06/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1051550	1	12/11/17 15:36	12/11/17 15:49	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1050481	1	12/05/17 13:35	12/07/17 06:47	JAH

B-236-42.5 L955420-16 Solid

Collected by	Collected date/time	Received date/time
Karsten Springstead	12/05/17 13:40	12/06/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1051550	1	12/11/17 15:36	12/11/17 15:49	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1050481	1000	12/05/17 13:40	12/07/17 07:08	JAH
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1050481	500000	12/05/17 13:40	12/11/17 06:53	JAH

B-236-45 L955420-17 Solid

Collected by	Collected date/time	Received date/time
Karsten Springstead	12/05/17 13:50	12/06/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1051550	1	12/11/17 15:36	12/11/17 15:49	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1050481	355	12/05/17 13:50	12/07/17 07:29	JAH

TRIPBLANK-120517 L955420-18 GW

Collected by	Collected date/time	Received date/time
Karsten Springstead	12/04/17 00:00	12/06/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1050647	1	12/07/17 12:44	12/07/17 12:44	JAH

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. All MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All radiochemical sample results for solids are reported on a dry weight basis with the exception of tritium, carbon-14 and radon, unless wet weight was requested by the client. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Brian Ford

Brian Ford
Technical Service Representative

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

Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch
Analyte	%			date / time	
Total Solids	86.0		1	12/09/2017 11:27	WG1051549

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

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0116	0.0581	1	12/07/2017 01:51	WG1050481
Acrylonitrile	U		0.00208	0.0116	1	12/07/2017 01:51	WG1050481
Benzene	U		0.000314	0.00116	1	12/07/2017 01:51	WG1050481
Bromobenzene	U		0.000330	0.00116	1	12/07/2017 01:51	WG1050481
Bromodichloromethane	U		0.000295	0.00116	1	12/07/2017 01:51	WG1050481
Bromochloromethane	U		0.000453	0.00581	1	12/07/2017 01:51	WG1050481
Bromoform	U		0.000493	0.00116	1	12/07/2017 01:51	WG1050481
Bromomethane	U		0.00156	0.00581	1	12/07/2017 01:51	WG1050481
n-Butylbenzene	U		0.000300	0.00116	1	12/07/2017 01:51	WG1050481
sec-Butylbenzene	U		0.000234	0.00116	1	12/07/2017 01:51	WG1050481
tert-Butylbenzene	U		0.000240	0.00116	1	12/07/2017 01:51	WG1050481
Carbon disulfide	U		0.000257	0.00116	1	12/07/2017 01:51	WG1050481
Carbon tetrachloride	U		0.000381	0.00116	1	12/07/2017 01:51	WG1050481
Chlorobenzene	U		0.000246	0.00116	1	12/07/2017 01:51	WG1050481
Chlorodibromomethane	U		0.000434	0.00116	1	12/07/2017 01:51	WG1050481
Chloroethane	U		0.00110	0.00581	1	12/07/2017 01:51	WG1050481
Chloroform	U		0.000266	0.00581	1	12/07/2017 01:51	WG1050481
Chloromethane	U		0.000436	0.00291	1	12/07/2017 01:51	WG1050481
2-Chlorotoluene	U		0.000350	0.00116	1	12/07/2017 01:51	WG1050481
4-Chlorotoluene	U		0.000279	0.00116	1	12/07/2017 01:51	WG1050481
1,2-Dibromo-3-Chloropropane	U		0.00122	0.00581	1	12/07/2017 01:51	WG1050481
1,2-Dibromoethane	U		0.000399	0.00116	1	12/07/2017 01:51	WG1050481
Dibromomethane	U		0.000444	0.00116	1	12/07/2017 01:51	WG1050481
1,2-Dichlorobenzene	U		0.000355	0.00116	1	12/07/2017 01:51	WG1050481
1,3-Dichlorobenzene	U		0.000278	0.00116	1	12/07/2017 01:51	WG1050481
1,4-Dichlorobenzene	U		0.000263	0.00116	1	12/07/2017 01:51	WG1050481
Dichlorodifluoromethane	U		0.000829	0.00581	1	12/07/2017 01:51	WG1050481
1,1-Dichloroethane	U		0.000231	0.00116	1	12/07/2017 01:51	WG1050481
1,2-Dichloroethane	U		0.000308	0.00116	1	12/07/2017 01:51	WG1050481
1,1-Dichloroethene	U		0.000352	0.00116	1	12/07/2017 01:51	WG1050481
cis-1,2-Dichloroethene	U		0.000273	0.00116	1	12/07/2017 01:51	WG1050481
trans-1,2-Dichloroethene	U		0.000307	0.00116	1	12/07/2017 01:51	WG1050481
1,2-Dichloropropane	U		0.000416	0.00116	1	12/07/2017 01:51	WG1050481
1,1-Dichloropropene	U		0.000369	0.00116	1	12/07/2017 01:51	WG1050481
1,3-Dichloropropane	U		0.000241	0.00116	1	12/07/2017 01:51	WG1050481
cis-1,3-Dichloropropene	U		0.000305	0.00116	1	12/07/2017 01:51	WG1050481
trans-1,3-Dichloropropene	U		0.000310	0.00116	1	12/07/2017 01:51	WG1050481
trans-1,4-Dichloro-2-butene	U	J0	0.000905	0.00291	1	12/07/2017 01:51	WG1050481
2,2-Dichloropropane	U		0.000324	0.00116	1	12/07/2017 01:51	WG1050481
Di-isopropyl ether	U		0.000288	0.00116	1	12/07/2017 01:51	WG1050481
Ethylbenzene	U		0.000345	0.00116	1	12/07/2017 01:51	WG1050481
Hexachloro-1,3-butadiene	U		0.000398	0.00116	1	12/07/2017 01:51	WG1050481
2-Hexanone	U		0.00159	0.0116	1	12/07/2017 01:51	WG1050481
n-Hexane	U		0.000337	0.0116	1	12/07/2017 01:51	WG1050481
Iodomethane	U		0.00294	0.0116	1	12/07/2017 01:51	WG1050481
Isopropylbenzene	U		0.000283	0.00116	1	12/07/2017 01:51	WG1050481
p-Isopropyltoluene	U		0.000237	0.00116	1	12/07/2017 01:51	WG1050481
2-Butanone (MEK)	U	J3	0.00544	0.0116	1	12/07/2017 01:51	WG1050481
Methylene Chloride	U		0.00116	0.00581	1	12/07/2017 01:51	WG1050481
4-Methyl-2-pentanone (MIBK)	U		0.00219	0.0116	1	12/07/2017 01:51	WG1050481

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000246	0.00116	1	12/07/2017 01:51	WG1050481
Naphthalene	U	J0	0.00116	0.00581	1	12/07/2017 01:51	WG1050481
n-Propylbenzene	U		0.000240	0.00116	1	12/07/2017 01:51	WG1050481
Styrene	U		0.000272	0.00116	1	12/07/2017 01:51	WG1050481
1,1,1,2-Tetrachloroethane	U		0.000307	0.00116	1	12/07/2017 01:51	WG1050481
1,1,2,2-Tetrachloroethane	U	J0	0.000424	0.00116	1	12/07/2017 01:51	WG1050481
1,1,2-Trichlorotrifluoroethane	U		0.000424	0.00116	1	12/07/2017 01:51	WG1050481
Tetrachloroethene	0.00155		0.000321	0.00116	1	12/07/2017 01:51	WG1050481
Toluene	U		0.000505	0.00581	1	12/07/2017 01:51	WG1050481
1,2,3-Trichlorobenzene	U		0.000356	0.00116	1	12/07/2017 01:51	WG1050481
1,2,4-Trichlorobenzene	U		0.000451	0.00116	1	12/07/2017 01:51	WG1050481
1,1,1-Trichloroethane	U		0.000333	0.00116	1	12/07/2017 01:51	WG1050481
1,1,2-Trichloroethane	U		0.000322	0.00116	1	12/07/2017 01:51	WG1050481
Trichloroethene	U		0.000324	0.00116	1	12/07/2017 01:51	WG1050481
Trichlorofluoromethane	U		0.000444	0.00581	1	12/07/2017 01:51	WG1050481
1,2,3-Trichloropropane	U	J0	0.000862	0.00291	1	12/07/2017 01:51	WG1050481
1,2,4-Trimethylbenzene	U		0.000245	0.00116	1	12/07/2017 01:51	WG1050481
1,2,3-Trimethylbenzene	U		0.000334	0.00116	1	12/07/2017 01:51	WG1050481
1,3,5-Trimethylbenzene	U		0.000309	0.00116	1	12/07/2017 01:51	WG1050481
Vinyl acetate	U	J0 J3	0.00278	0.0116	1	12/07/2017 01:51	WG1050481
Vinyl chloride	U		0.000338	0.00116	1	12/07/2017 01:51	WG1050481
Xylenes, Total	U		0.000812	0.00349	1	12/07/2017 01:51	WG1050481
(S) Toluene-d8	*94.2*			*80.0-120*		*12/07/2017 01:51*	WG1050481
(S) Dibromofluoromethane	*105*			*74.0-131*		*12/07/2017 01:51*	WG1050481
(S) 4-Bromofluorobenzene	*99.1*			*64.0-132*		*12/07/2017 01:51*	WG1050481

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

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

Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch
Analyte	%			date / time	
Total Solids	94.5		1	12/09/2017 11:27	WG1051549

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

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0106	0.0529	1	12/07/2017 02:12	WG1050481
Acrylonitrile	U		0.00189	0.0106	1	12/07/2017 02:12	WG1050481
Benzene	U		0.000286	0.00106	1	12/07/2017 02:12	WG1050481
Bromobenzene	U		0.000301	0.00106	1	12/07/2017 02:12	WG1050481
Bromodichloromethane	U		0.000269	0.00106	1	12/07/2017 02:12	WG1050481
Bromochloromethane	U		0.000413	0.00529	1	12/07/2017 02:12	WG1050481
Bromoform	U		0.000449	0.00106	1	12/07/2017 02:12	WG1050481
Bromomethane	U		0.00142	0.00529	1	12/07/2017 02:12	WG1050481
n-Butylbenzene	U		0.000273	0.00106	1	12/07/2017 02:12	WG1050481
sec-Butylbenzene	U		0.000213	0.00106	1	12/07/2017 02:12	WG1050481
tert-Butylbenzene	U		0.000218	0.00106	1	12/07/2017 02:12	WG1050481
Carbon disulfide	U		0.000234	0.00106	1	12/07/2017 02:12	WG1050481
Carbon tetrachloride	U		0.000347	0.00106	1	12/07/2017 02:12	WG1050481
Chlorobenzene	U		0.000224	0.00106	1	12/07/2017 02:12	WG1050481
Chlorodibromomethane	U		0.000395	0.00106	1	12/07/2017 02:12	WG1050481
Chloroethane	U		0.00100	0.00529	1	12/07/2017 02:12	WG1050481
Chloroform	U		0.000242	0.00529	1	12/07/2017 02:12	WG1050481
Chloromethane	U		0.000397	0.00265	1	12/07/2017 02:12	WG1050481
2-Chlorotoluene	U		0.000319	0.00106	1	12/07/2017 02:12	WG1050481
4-Chlorotoluene	U		0.000254	0.00106	1	12/07/2017 02:12	WG1050481
1,2-Dibromo-3-Chloropropane	U		0.00111	0.00529	1	12/07/2017 02:12	WG1050481
1,2-Dibromoethane	U		0.000363	0.00106	1	12/07/2017 02:12	WG1050481
Dibromomethane	U		0.000404	0.00106	1	12/07/2017 02:12	WG1050481
1,2-Dichlorobenzene	U		0.000323	0.00106	1	12/07/2017 02:12	WG1050481
1,3-Dichlorobenzene	U		0.000253	0.00106	1	12/07/2017 02:12	WG1050481
1,4-Dichlorobenzene	U		0.000239	0.00106	1	12/07/2017 02:12	WG1050481
Dichlorodifluoromethane	U		0.000755	0.00529	1	12/07/2017 02:12	WG1050481
1,1-Dichloroethane	U		0.000211	0.00106	1	12/07/2017 02:12	WG1050481
1,2-Dichloroethane	U		0.000280	0.00106	1	12/07/2017 02:12	WG1050481
1,1-Dichloroethene	U		0.000321	0.00106	1	12/07/2017 02:12	WG1050481
cis-1,2-Dichloroethene	U		0.000249	0.00106	1	12/07/2017 02:12	WG1050481
trans-1,2-Dichloroethene	U		0.000279	0.00106	1	12/07/2017 02:12	WG1050481
1,2-Dichloropropane	U		0.000379	0.00106	1	12/07/2017 02:12	WG1050481
1,1-Dichloropropene	U		0.000336	0.00106	1	12/07/2017 02:12	WG1050481
1,3-Dichloropropane	U		0.000219	0.00106	1	12/07/2017 02:12	WG1050481
cis-1,3-Dichloropropene	U		0.000277	0.00106	1	12/07/2017 02:12	WG1050481
trans-1,3-Dichloropropene	U		0.000283	0.00106	1	12/07/2017 02:12	WG1050481
trans-1,4-Dichloro-2-butene	U	J0	0.000824	0.00265	1	12/07/2017 02:12	WG1050481
2,2-Dichloropropane	U		0.000295	0.00106	1	12/07/2017 02:12	WG1050481
Di-isopropyl ether	U		0.000263	0.00106	1	12/07/2017 02:12	WG1050481
Ethylbenzene	U		0.000314	0.00106	1	12/07/2017 02:12	WG1050481
Hexachloro-1,3-butadiene	U		0.000362	0.00106	1	12/07/2017 02:12	WG1050481
2-Hexanone	U		0.00145	0.0106	1	12/07/2017 02:12	WG1050481
n-Hexane	U		0.000307	0.0106	1	12/07/2017 02:12	WG1050481
Iodomethane	U		0.00268	0.0106	1	12/07/2017 02:12	WG1050481
Isopropylbenzene	U		0.000257	0.00106	1	12/07/2017 02:12	WG1050481
p-Isopropyltoluene	U		0.000216	0.00106	1	12/07/2017 02:12	WG1050481
2-Butanone (MEK)	U	J3	0.00495	0.0106	1	12/07/2017 02:12	WG1050481
Methylene Chloride	U		0.00106	0.00529	1	12/07/2017 02:12	WG1050481
4-Methyl-2-pentanone (MIBK)	U		0.00199	0.0106	1	12/07/2017 02:12	WG1050481

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000224	0.00106	1	12/07/2017 02:12	WG1050481
Naphthalene	U	J0	0.00106	0.00529	1	12/07/2017 02:12	WG1050481
n-Propylbenzene	U		0.000218	0.00106	1	12/07/2017 02:12	WG1050481
Styrene	U		0.000248	0.00106	1	12/07/2017 02:12	WG1050481
1,1,1,2-Tetrachloroethane	U		0.000279	0.00106	1	12/07/2017 02:12	WG1050481
1,1,2,2-Tetrachloroethane	U	J0	0.000386	0.00106	1	12/07/2017 02:12	WG1050481
1,1,2-Trichlorotrifluoroethane	U		0.000386	0.00106	1	12/07/2017 02:12	WG1050481
Tetrachloroethene	U		0.000292	0.00106	1	12/07/2017 02:12	WG1050481
Toluene	U		0.000459	0.00529	1	12/07/2017 02:12	WG1050481
1,2,3-Trichlorobenzene	U		0.000324	0.00106	1	12/07/2017 02:12	WG1050481
1,2,4-Trichlorobenzene	U		0.000411	0.00106	1	12/07/2017 02:12	WG1050481
1,1,1-Trichloroethane	U		0.000303	0.00106	1	12/07/2017 02:12	WG1050481
1,1,2-Trichloroethane	U		0.000293	0.00106	1	12/07/2017 02:12	WG1050481
Trichloroethene	U		0.000295	0.00106	1	12/07/2017 02:12	WG1050481
Trichlorofluoromethane	U		0.000404	0.00529	1	12/07/2017 02:12	WG1050481
1,2,3-Trichloropropane	U	J0	0.000784	0.00265	1	12/07/2017 02:12	WG1050481
1,2,4-Trimethylbenzene	U		0.000223	0.00106	1	12/07/2017 02:12	WG1050481
1,2,3-Trimethylbenzene	U		0.000304	0.00106	1	12/07/2017 02:12	WG1050481
1,3,5-Trimethylbenzene	U		0.000282	0.00106	1	12/07/2017 02:12	WG1050481
Vinyl acetate	U	J0 J3	0.00253	0.0106	1	12/07/2017 02:12	WG1050481
Vinyl chloride	U		0.000308	0.00106	1	12/07/2017 02:12	WG1050481
Xylenes, Total	U		0.000739	0.00318	1	12/07/2017 02:12	WG1050481
(S) Toluene-d8	*92.0*			*80.0-120*		*12/07/2017 02:12*	WG1050481
(S) Dibromofluoromethane	*105*			*74.0-131*		*12/07/2017 02:12*	WG1050481
(S) 4-Bromofluorobenzene	*98.5*			*64.0-132*		*12/07/2017 02:12*	WG1050481

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

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	87.2		1	12/09/2017 11:27	WG1051549

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0115	0.0574	1	12/07/2017 02:33	WG1050481
Acrylonitrile	U		0.00205	0.0115	1	12/07/2017 02:33	WG1050481
Benzene	U		0.000310	0.00115	1	12/07/2017 02:33	WG1050481
Bromobenzene	U		0.000326	0.00115	1	12/07/2017 02:33	WG1050481
Bromodichloromethane	U		0.000291	0.00115	1	12/07/2017 02:33	WG1050481
Bromochloromethane	U		0.000447	0.00574	1	12/07/2017 02:33	WG1050481
Bromoform	U		0.000486	0.00115	1	12/07/2017 02:33	WG1050481
Bromomethane	U		0.00154	0.00574	1	12/07/2017 02:33	WG1050481
n-Butylbenzene	U		0.000296	0.00115	1	12/07/2017 02:33	WG1050481
sec-Butylbenzene	U		0.000231	0.00115	1	12/07/2017 02:33	WG1050481
tert-Butylbenzene	U		0.000236	0.00115	1	12/07/2017 02:33	WG1050481
Carbon disulfide	U		0.000254	0.00115	1	12/07/2017 02:33	WG1050481
Carbon tetrachloride	U		0.000376	0.00115	1	12/07/2017 02:33	WG1050481
Chlorobenzene	U		0.000243	0.00115	1	12/07/2017 02:33	WG1050481
Chlorodibromomethane	U		0.000428	0.00115	1	12/07/2017 02:33	WG1050481
Chloroethane	U		0.00109	0.00574	1	12/07/2017 02:33	WG1050481
Chloroform	U		0.000263	0.00574	1	12/07/2017 02:33	WG1050481
Chloromethane	U		0.000430	0.00287	1	12/07/2017 02:33	WG1050481
2-Chlorotoluene	U		0.000345	0.00115	1	12/07/2017 02:33	WG1050481
4-Chlorotoluene	U		0.000275	0.00115	1	12/07/2017 02:33	WG1050481
1,2-Dibromo-3-Chloropropane	U		0.00120	0.00574	1	12/07/2017 02:33	WG1050481
1,2-Dibromoethane	U		0.000393	0.00115	1	12/07/2017 02:33	WG1050481
Dibromomethane	U		0.000438	0.00115	1	12/07/2017 02:33	WG1050481
1,2-Dichlorobenzene	U		0.000350	0.00115	1	12/07/2017 02:33	WG1050481
1,3-Dichlorobenzene	U		0.000274	0.00115	1	12/07/2017 02:33	WG1050481
1,4-Dichlorobenzene	U		0.000259	0.00115	1	12/07/2017 02:33	WG1050481
Dichlorodifluoromethane	U		0.000818	0.00574	1	12/07/2017 02:33	WG1050481
1,1-Dichloroethane	U		0.000228	0.00115	1	12/07/2017 02:33	WG1050481
1,2-Dichloroethane	U		0.000304	0.00115	1	12/07/2017 02:33	WG1050481
1,1-Dichloroethene	U		0.000348	0.00115	1	12/07/2017 02:33	WG1050481
cis-1,2-Dichloroethene	U		0.000270	0.00115	1	12/07/2017 02:33	WG1050481
trans-1,2-Dichloroethene	U		0.000303	0.00115	1	12/07/2017 02:33	WG1050481
1,2-Dichloropropane	U		0.000411	0.00115	1	12/07/2017 02:33	WG1050481
1,1-Dichloropropene	U		0.000364	0.00115	1	12/07/2017 02:33	WG1050481
1,3-Dichloropropane	U		0.000237	0.00115	1	12/07/2017 02:33	WG1050481
cis-1,3-Dichloropropene	U		0.000301	0.00115	1	12/07/2017 02:33	WG1050481
trans-1,3-Dichloropropene	U		0.000306	0.00115	1	12/07/2017 02:33	WG1050481
trans-1,4-Dichloro-2-butene	U	J0	0.000892	0.00287	1	12/07/2017 02:33	WG1050481
2,2-Dichloropropane	U		0.000320	0.00115	1	12/07/2017 02:33	WG1050481
Di-isopropyl ether	U		0.000284	0.00115	1	12/07/2017 02:33	WG1050481
Ethylbenzene	U		0.000341	0.00115	1	12/07/2017 02:33	WG1050481
Hexachloro-1,3-butadiene	U		0.000392	0.00115	1	12/07/2017 02:33	WG1050481
2-Hexanone	U		0.00157	0.0115	1	12/07/2017 02:33	WG1050481
n-Hexane	U		0.000333	0.0115	1	12/07/2017 02:33	WG1050481
Iodomethane	U		0.00290	0.0115	1	12/07/2017 02:33	WG1050481
Isopropylbenzene	U		0.000279	0.00115	1	12/07/2017 02:33	WG1050481
p-Isopropyltoluene	U		0.000234	0.00115	1	12/07/2017 02:33	WG1050481
2-Butanone (MEK)	U	J3	0.00537	0.0115	1	12/07/2017 02:33	WG1050481
Methylene Chloride	U		0.00115	0.00574	1	12/07/2017 02:33	WG1050481
4-Methyl-2-pentanone (MIBK)	U		0.00216	0.0115	1	12/07/2017 02:33	WG1050481

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000243	0.00115	1	12/07/2017 02:33	WG1050481
Naphthalene	U	J0	0.00115	0.00574	1	12/07/2017 02:33	WG1050481
n-Propylbenzene	U		0.000236	0.00115	1	12/07/2017 02:33	WG1050481
Styrene	U		0.000268	0.00115	1	12/07/2017 02:33	WG1050481
1,1,1,2-Tetrachloroethane	U		0.000303	0.00115	1	12/07/2017 02:33	WG1050481
1,1,2,2-Tetrachloroethane	U	J0	0.000419	0.00115	1	12/07/2017 02:33	WG1050481
1,1,2-Trichlorotrifluoroethane	U		0.000419	0.00115	1	12/07/2017 02:33	WG1050481
Tetrachloroethene	0.000320	J	0.000317	0.00115	1	12/07/2017 02:33	WG1050481
Toluene	U		0.000498	0.00574	1	12/07/2017 02:33	WG1050481
1,2,3-Trichlorobenzene	U		0.000351	0.00115	1	12/07/2017 02:33	WG1050481
1,2,4-Trichlorobenzene	U		0.000445	0.00115	1	12/07/2017 02:33	WG1050481
1,1,1-Trichloroethane	U		0.000328	0.00115	1	12/07/2017 02:33	WG1050481
1,1,2-Trichloroethane	U		0.000318	0.00115	1	12/07/2017 02:33	WG1050481
Trichloroethene	U		0.000320	0.00115	1	12/07/2017 02:33	WG1050481
Trichlorofluoromethane	U		0.000438	0.00574	1	12/07/2017 02:33	WG1050481
1,2,3-Trichloropropane	U	J0	0.000850	0.00287	1	12/07/2017 02:33	WG1050481
1,2,4-Trimethylbenzene	U		0.000242	0.00115	1	12/07/2017 02:33	WG1050481
1,2,3-Trimethylbenzene	U		0.000329	0.00115	1	12/07/2017 02:33	WG1050481
1,3,5-Trimethylbenzene	U		0.000305	0.00115	1	12/07/2017 02:33	WG1050481
Vinyl acetate	U	J0 J3	0.00274	0.0115	1	12/07/2017 02:33	WG1050481
Vinyl chloride	U		0.000334	0.00115	1	12/07/2017 02:33	WG1050481
Xylenes, Total	U		0.000801	0.00344	1	12/07/2017 02:33	WG1050481
(S) Toluene-d8	*92.9*			*80.0-120*		*12/07/2017 02:33*	WG1050481
(S) Dibromofluoromethane	*107*			*74.0-131*		*12/07/2017 02:33*	WG1050481
(S) 4-Bromofluorobenzene	*100*			*64.0-132*		*12/07/2017 02:33*	WG1050481

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

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	92.9		1	12/09/2017 11:27	WG1051549

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0108	0.0538	1	12/07/2017 02:55	WG1050481
Acrylonitrile	U		0.00193	0.0108	1	12/07/2017 02:55	WG1050481
Benzene	U		0.000291	0.00108	1	12/07/2017 02:55	WG1050481
Bromobenzene	U		0.000306	0.00108	1	12/07/2017 02:55	WG1050481
Bromodichloromethane	U		0.000273	0.00108	1	12/07/2017 02:55	WG1050481
Bromochloromethane	U		0.000420	0.00538	1	12/07/2017 02:55	WG1050481
Bromoform	U		0.000456	0.00108	1	12/07/2017 02:55	WG1050481
Bromomethane	U		0.00144	0.00538	1	12/07/2017 02:55	WG1050481
n-Butylbenzene	U		0.000278	0.00108	1	12/07/2017 02:55	WG1050481
sec-Butylbenzene	U		0.000216	0.00108	1	12/07/2017 02:55	WG1050481
tert-Butylbenzene	U		0.000222	0.00108	1	12/07/2017 02:55	WG1050481
Carbon disulfide	U		0.000238	0.00108	1	12/07/2017 02:55	WG1050481
Carbon tetrachloride	U		0.000353	0.00108	1	12/07/2017 02:55	WG1050481
Chlorobenzene	U		0.000228	0.00108	1	12/07/2017 02:55	WG1050481
Chlorodibromomethane	U		0.000401	0.00108	1	12/07/2017 02:55	WG1050481
Chloroethane	U		0.00102	0.00538	1	12/07/2017 02:55	WG1050481
Chloroform	U		0.000246	0.00538	1	12/07/2017 02:55	WG1050481
Chloromethane	U		0.000404	0.00269	1	12/07/2017 02:55	WG1050481
2-Chlorotoluene	U		0.000324	0.00108	1	12/07/2017 02:55	WG1050481
4-Chlorotoluene	U		0.000258	0.00108	1	12/07/2017 02:55	WG1050481
1,2-Dibromo-3-Chloropropane	U		0.00113	0.00538	1	12/07/2017 02:55	WG1050481
1,2-Dibromoethane	U		0.000369	0.00108	1	12/07/2017 02:55	WG1050481
Dibromomethane	U		0.000411	0.00108	1	12/07/2017 02:55	WG1050481
1,2-Dichlorobenzene	U		0.000328	0.00108	1	12/07/2017 02:55	WG1050481
1,3-Dichlorobenzene	U		0.000257	0.00108	1	12/07/2017 02:55	WG1050481
1,4-Dichlorobenzene	U		0.000243	0.00108	1	12/07/2017 02:55	WG1050481
Dichlorodifluoromethane	U		0.000767	0.00538	1	12/07/2017 02:55	WG1050481
1,1-Dichloroethane	U		0.000214	0.00108	1	12/07/2017 02:55	WG1050481
1,2-Dichloroethane	U		0.000285	0.00108	1	12/07/2017 02:55	WG1050481
1,1-Dichloroethene	U		0.000326	0.00108	1	12/07/2017 02:55	WG1050481
cis-1,2-Dichloroethene	U		0.000253	0.00108	1	12/07/2017 02:55	WG1050481
trans-1,2-Dichloroethene	U		0.000284	0.00108	1	12/07/2017 02:55	WG1050481
1,2-Dichloropropane	U		0.000385	0.00108	1	12/07/2017 02:55	WG1050481
1,1-Dichloropropene	U		0.000341	0.00108	1	12/07/2017 02:55	WG1050481
1,3-Dichloropropane	U		0.000223	0.00108	1	12/07/2017 02:55	WG1050481
cis-1,3-Dichloropropene	U		0.000282	0.00108	1	12/07/2017 02:55	WG1050481
trans-1,3-Dichloropropene	U		0.000287	0.00108	1	12/07/2017 02:55	WG1050481
trans-1,4-Dichloro-2-butene	U	J0	0.000837	0.00269	1	12/07/2017 02:55	WG1050481
2,2-Dichloropropane	U		0.000300	0.00108	1	12/07/2017 02:55	WG1050481
Di-isopropyl ether	U		0.000267	0.00108	1	12/07/2017 02:55	WG1050481
Ethylbenzene	U		0.000320	0.00108	1	12/07/2017 02:55	WG1050481
Hexachloro-1,3-butadiene	U		0.000368	0.00108	1	12/07/2017 02:55	WG1050481
2-Hexanone	U		0.00147	0.0108	1	12/07/2017 02:55	WG1050481
n-Hexane	U		0.000312	0.0108	1	12/07/2017 02:55	WG1050481
Iodomethane	U		0.00272	0.0108	1	12/07/2017 02:55	WG1050481
Isopropylbenzene	U		0.000262	0.00108	1	12/07/2017 02:55	WG1050481
p-Isopropyltoluene	U		0.000220	0.00108	1	12/07/2017 02:55	WG1050481
2-Butanone (MEK)	U	J3	0.00504	0.0108	1	12/07/2017 02:55	WG1050481
Methylene Chloride	U		0.00108	0.00538	1	12/07/2017 02:55	WG1050481
4-Methyl-2-pentanone (MIBK)	U		0.00202	0.0108	1	12/07/2017 02:55	WG1050481

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000228	0.00108	1	12/07/2017 02:55	WG1050481
Naphthalene	U	J0	0.00108	0.00538	1	12/07/2017 02:55	WG1050481
n-Propylbenzene	U		0.000222	0.00108	1	12/07/2017 02:55	WG1050481
Styrene	U		0.000252	0.00108	1	12/07/2017 02:55	WG1050481
1,1,1,2-Tetrachloroethane	U		0.000284	0.00108	1	12/07/2017 02:55	WG1050481
1,1,2,2-Tetrachloroethane	U	J0	0.000393	0.00108	1	12/07/2017 02:55	WG1050481
1,1,2-Trichlorotrifluoroethane	U		0.000393	0.00108	1	12/07/2017 02:55	WG1050481
Tetrachloroethene	0.000501	J	0.000297	0.00108	1	12/07/2017 02:55	WG1050481
Toluene	U		0.000467	0.00538	1	12/07/2017 02:55	WG1050481
1,2,3-Trichlorobenzene	U		0.000329	0.00108	1	12/07/2017 02:55	WG1050481
1,2,4-Trichlorobenzene	U		0.000418	0.00108	1	12/07/2017 02:55	WG1050481
1,1,1-Trichloroethane	U		0.000308	0.00108	1	12/07/2017 02:55	WG1050481
1,1,2-Trichloroethane	U		0.000298	0.00108	1	12/07/2017 02:55	WG1050481
Trichloroethene	U		0.000300	0.00108	1	12/07/2017 02:55	WG1050481
Trichlorofluoromethane	U		0.000411	0.00538	1	12/07/2017 02:55	WG1050481
1,2,3-Trichloropropane	U	J0	0.000798	0.00269	1	12/07/2017 02:55	WG1050481
1,2,4-Trimethylbenzene	U		0.000227	0.00108	1	12/07/2017 02:55	WG1050481
1,2,3-Trimethylbenzene	U		0.000309	0.00108	1	12/07/2017 02:55	WG1050481
1,3,5-Trimethylbenzene	U		0.000286	0.00108	1	12/07/2017 02:55	WG1050481
Vinyl acetate	U	J0 J3	0.00257	0.0108	1	12/07/2017 02:55	WG1050481
Vinyl chloride	U		0.000313	0.00108	1	12/07/2017 02:55	WG1050481
Xylenes, Total	U		0.000751	0.00323	1	12/07/2017 02:55	WG1050481
(S) Toluene-d8	*91.3*			*80.0-120*		*12/07/2017 02:55*	WG1050481
(S) Dibromofluoromethane	*110*			*74.0-131*		*12/07/2017 02:55*	WG1050481
(S) 4-Bromofluorobenzene	*99.9*			*64.0-132*		*12/07/2017 02:55*	WG1050481

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

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	81.6		1	12/09/2017 11:27	WG1051549

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0123	0.0613	1	12/07/2017 03:16	WG1050481
Acrylonitrile	U		0.00219	0.0123	1	12/07/2017 03:16	WG1050481
Benzene	U		0.000331	0.00123	1	12/07/2017 03:16	WG1050481
Bromobenzene	U		0.000348	0.00123	1	12/07/2017 03:16	WG1050481
Bromodichloromethane	U		0.000311	0.00123	1	12/07/2017 03:16	WG1050481
Bromochloromethane	U		0.000478	0.00613	1	12/07/2017 03:16	WG1050481
Bromoform	U		0.000519	0.00123	1	12/07/2017 03:16	WG1050481
Bromomethane	U		0.00164	0.00613	1	12/07/2017 03:16	WG1050481
n-Butylbenzene	U		0.000316	0.00123	1	12/07/2017 03:16	WG1050481
sec-Butylbenzene	U		0.000246	0.00123	1	12/07/2017 03:16	WG1050481
tert-Butylbenzene	U		0.000252	0.00123	1	12/07/2017 03:16	WG1050481
Carbon disulfide	U		0.000271	0.00123	1	12/07/2017 03:16	WG1050481
Carbon tetrachloride	U		0.000402	0.00123	1	12/07/2017 03:16	WG1050481
Chlorobenzene	U		0.000260	0.00123	1	12/07/2017 03:16	WG1050481
Chlorodibromomethane	U		0.000457	0.00123	1	12/07/2017 03:16	WG1050481
Chloroethane	U		0.00116	0.00613	1	12/07/2017 03:16	WG1050481
Chloroform	U		0.000281	0.00613	1	12/07/2017 03:16	WG1050481
Chloromethane	U		0.000459	0.00306	1	12/07/2017 03:16	WG1050481
2-Chlorotoluene	U		0.000369	0.00123	1	12/07/2017 03:16	WG1050481
4-Chlorotoluene	U		0.000294	0.00123	1	12/07/2017 03:16	WG1050481
1,2-Dibromo-3-Chloropropane	U		0.00129	0.00613	1	12/07/2017 03:16	WG1050481
1,2-Dibromoethane	U		0.000420	0.00123	1	12/07/2017 03:16	WG1050481
Dibromomethane	U		0.000468	0.00123	1	12/07/2017 03:16	WG1050481
1,2-Dichlorobenzene	U		0.000374	0.00123	1	12/07/2017 03:16	WG1050481
1,3-Dichlorobenzene	U		0.000293	0.00123	1	12/07/2017 03:16	WG1050481
1,4-Dichlorobenzene	U		0.000277	0.00123	1	12/07/2017 03:16	WG1050481
Dichlorodifluoromethane	U		0.000874	0.00613	1	12/07/2017 03:16	WG1050481
1,1-Dichloroethane	U		0.000244	0.00123	1	12/07/2017 03:16	WG1050481
1,2-Dichloroethane	U		0.000325	0.00123	1	12/07/2017 03:16	WG1050481
1,1-Dichloroethene	0.00288		0.000371	0.00123	1	12/07/2017 03:16	WG1050481
cis-1,2-Dichloroethene	3.65		0.00720	0.0306	25	12/11/2017 03:24	WG1050481
trans-1,2-Dichloroethene	0.00104	J	0.000323	0.00123	1	12/07/2017 03:16	WG1050481
1,2-Dichloropropane	U		0.000439	0.00123	1	12/07/2017 03:16	WG1050481
1,1-Dichloropropene	U		0.000388	0.00123	1	12/07/2017 03:16	WG1050481
1,3-Dichloropropane	U		0.000254	0.00123	1	12/07/2017 03:16	WG1050481
cis-1,3-Dichloropropene	U		0.000321	0.00123	1	12/07/2017 03:16	WG1050481
trans-1,3-Dichloropropene	U		0.000327	0.00123	1	12/07/2017 03:16	WG1050481
trans-1,4-Dichloro-2-butene	U	J0	0.000953	0.00306	1	12/07/2017 03:16	WG1050481
2,2-Dichloropropane	U		0.000342	0.00123	1	12/07/2017 03:16	WG1050481
Di-isopropyl ether	U		0.000304	0.00123	1	12/07/2017 03:16	WG1050481
Ethylbenzene	U		0.000364	0.00123	1	12/07/2017 03:16	WG1050481
Hexachloro-1,3-butadiene	U		0.000419	0.00123	1	12/07/2017 03:16	WG1050481
2-Hexanone	U		0.00168	0.0123	1	12/07/2017 03:16	WG1050481
n-Hexane	U		0.000355	0.0123	1	12/07/2017 03:16	WG1050481
Iodomethane	U		0.00310	0.0123	1	12/07/2017 03:16	WG1050481
Isopropylbenzene	U		0.000298	0.00123	1	12/07/2017 03:16	WG1050481
p-Isopropyltoluene	U		0.000250	0.00123	1	12/07/2017 03:16	WG1050481
2-Butanone (MEK)	U	J3	0.00573	0.0123	1	12/07/2017 03:16	WG1050481
Methylene Chloride	U		0.00123	0.00613	1	12/07/2017 03:16	WG1050481
4-Methyl-2-pentanone (MIBK)	U		0.00230	0.0123	1	12/07/2017 03:16	WG1050481

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000260	0.00123	1	12/07/2017 03:16	WG1050481
Naphthalene	U	J0	0.00123	0.00613	1	12/07/2017 03:16	WG1050481
n-Propylbenzene	U		0.000252	0.00123	1	12/07/2017 03:16	WG1050481
Styrene	U		0.000287	0.00123	1	12/07/2017 03:16	WG1050481
1,1,1,2-Tetrachloroethane	U		0.000323	0.00123	1	12/07/2017 03:16	WG1050481
1,1,2,2-Tetrachloroethane	U	J0	0.000447	0.00123	1	12/07/2017 03:16	WG1050481
1,1,2-Trichlorotrifluoroethane	U		0.000447	0.00123	1	12/07/2017 03:16	WG1050481
Tetrachloroethene	0.0146		0.000338	0.00123	1	12/07/2017 03:16	WG1050481
Toluene	U		0.000532	0.00613	1	12/07/2017 03:16	WG1050481
1,2,3-Trichlorobenzene	U		0.000375	0.00123	1	12/07/2017 03:16	WG1050481
1,2,4-Trichlorobenzene	U		0.000475	0.00123	1	12/07/2017 03:16	WG1050481
1,1,1-Trichloroethane	U		0.000350	0.00123	1	12/07/2017 03:16	WG1050481
1,1,2-Trichloroethane	U		0.000339	0.00123	1	12/07/2017 03:16	WG1050481
Trichloroethene	0.00180		0.000342	0.00123	1	12/07/2017 03:16	WG1050481
Trichlorofluoromethane	U		0.000468	0.00613	1	12/07/2017 03:16	WG1050481
1,2,3-Trichloropropane	U	J0	0.000908	0.00306	1	12/07/2017 03:16	WG1050481
1,2,4-Trimethylbenzene	U		0.000259	0.00123	1	12/07/2017 03:16	WG1050481
1,2,3-Trimethylbenzene	U		0.000352	0.00123	1	12/07/2017 03:16	WG1050481
1,3,5-Trimethylbenzene	U		0.000326	0.00123	1	12/07/2017 03:16	WG1050481
Vinyl acetate	U	J0 J3	0.00293	0.0123	1	12/07/2017 03:16	WG1050481
Vinyl chloride	0.343		0.00892	0.0306	25	12/11/2017 03:24	WG1050481
Xylenes, Total	U		0.000855	0.00368	1	12/07/2017 03:16	WG1050481
(S) Toluene-d8	*92.6*			*80.0-120*		*12/07/2017 03:16*	WG1050481
(S) Toluene-d8	*102*			*80.0-120*		*12/11/2017 03:24*	WG1050481
(S) Dibromofluoromethane	*107*			*74.0-131*		*12/07/2017 03:16*	WG1050481
(S) Dibromofluoromethane	*90.8*			*74.0-131*		*12/11/2017 03:24*	WG1050481
(S) 4-Bromofluorobenzene	*100*			*64.0-132*		*12/07/2017 03:16*	WG1050481
(S) 4-Bromofluorobenzene	*107*			*64.0-132*		*12/11/2017 03:24*	WG1050481

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	88.7		1	12/09/2017 11:27	WG1051549

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.0150	J	0.0113	0.0563	1	12/07/2017 03:37	WG1050481
Acrylonitrile	U		0.00202	0.0113	1	12/07/2017 03:37	WG1050481
Benzene	U		0.000304	0.00113	1	12/07/2017 03:37	WG1050481
Bromobenzene	U		0.000320	0.00113	1	12/07/2017 03:37	WG1050481
Bromodichloromethane	U		0.000286	0.00113	1	12/07/2017 03:37	WG1050481
Bromochloromethane	U		0.000440	0.00563	1	12/07/2017 03:37	WG1050481
Bromoform	U		0.000478	0.00113	1	12/07/2017 03:37	WG1050481
Bromomethane	U		0.00151	0.00563	1	12/07/2017 03:37	WG1050481
n-Butylbenzene	U		0.000291	0.00113	1	12/07/2017 03:37	WG1050481
sec-Butylbenzene	U		0.000227	0.00113	1	12/07/2017 03:37	WG1050481
tert-Butylbenzene	U		0.000232	0.00113	1	12/07/2017 03:37	WG1050481
Carbon disulfide	0.000271	J	0.000249	0.00113	1	12/07/2017 03:37	WG1050481
Carbon tetrachloride	U		0.000370	0.00113	1	12/07/2017 03:37	WG1050481
Chlorobenzene	U		0.000239	0.00113	1	12/07/2017 03:37	WG1050481
Chlorodibromomethane	U		0.000420	0.00113	1	12/07/2017 03:37	WG1050481
Chloroethane	U		0.00107	0.00563	1	12/07/2017 03:37	WG1050481
Chloroform	U		0.000258	0.00563	1	12/07/2017 03:37	WG1050481
Chloromethane	U		0.000423	0.00282	1	12/07/2017 03:37	WG1050481
2-Chlorotoluene	U		0.000339	0.00113	1	12/07/2017 03:37	WG1050481
4-Chlorotoluene	U		0.000270	0.00113	1	12/07/2017 03:37	WG1050481
1,2-Dibromo-3-Chloropropane	U		0.00118	0.00563	1	12/07/2017 03:37	WG1050481
1,2-Dibromoethane	U		0.000387	0.00113	1	12/07/2017 03:37	WG1050481
Dibromomethane	U		0.000430	0.00113	1	12/07/2017 03:37	WG1050481
1,2-Dichlorobenzene	U		0.000344	0.00113	1	12/07/2017 03:37	WG1050481
1,3-Dichlorobenzene	U		0.000269	0.00113	1	12/07/2017 03:37	WG1050481
1,4-Dichlorobenzene	U		0.000255	0.00113	1	12/07/2017 03:37	WG1050481
Dichlorodifluoromethane	U		0.000804	0.00563	1	12/07/2017 03:37	WG1050481
1,1-Dichloroethane	U		0.000224	0.00113	1	12/07/2017 03:37	WG1050481
1,2-Dichloroethane	U		0.000299	0.00113	1	12/07/2017 03:37	WG1050481
1,1-Dichloroethene	0.00126		0.000341	0.00113	1	12/07/2017 03:37	WG1050481
cis-1,2-Dichloroethene	1.99		0.00663	0.0282	25	12/11/2017 03:45	WG1050481
trans-1,2-Dichloroethene	0.000552	J	0.000298	0.00113	1	12/07/2017 03:37	WG1050481
1,2-Dichloropropane	U		0.000403	0.00113	1	12/07/2017 03:37	WG1050481
1,1-Dichloropropene	U		0.000357	0.00113	1	12/07/2017 03:37	WG1050481
1,3-Dichloropropane	U		0.000233	0.00113	1	12/07/2017 03:37	WG1050481
cis-1,3-Dichloropropene	U		0.000295	0.00113	1	12/07/2017 03:37	WG1050481
trans-1,3-Dichloropropene	U		0.000301	0.00113	1	12/07/2017 03:37	WG1050481
trans-1,4-Dichloro-2-butene	U	J0	0.000877	0.00282	1	12/07/2017 03:37	WG1050481
2,2-Dichloropropane	U		0.000314	0.00113	1	12/07/2017 03:37	WG1050481
Di-isopropyl ether	U		0.000279	0.00113	1	12/07/2017 03:37	WG1050481
Ethylbenzene	U		0.000335	0.00113	1	12/07/2017 03:37	WG1050481
Hexachloro-1,3-butadiene	U		0.000385	0.00113	1	12/07/2017 03:37	WG1050481
2-Hexanone	U		0.00154	0.0113	1	12/07/2017 03:37	WG1050481
n-Hexane	0.00818	J	0.000327	0.0113	1	12/07/2017 03:37	WG1050481
Iodomethane	U		0.00285	0.0113	1	12/07/2017 03:37	WG1050481
Isopropylbenzene	U		0.000274	0.00113	1	12/07/2017 03:37	WG1050481
p-Isopropyltoluene	U		0.000230	0.00113	1	12/07/2017 03:37	WG1050481
2-Butanone (MEK)	0.00676	J J3	0.00527	0.0113	1	12/07/2017 03:37	WG1050481
Methylene Chloride	U		0.00113	0.00563	1	12/07/2017 03:37	WG1050481
4-Methyl-2-pentanone (MIBK)	U		0.00212	0.0113	1	12/07/2017 03:37	WG1050481

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000239	0.00113	1	12/07/2017 03:37	WG1050481
Naphthalene	U	J0	0.00113	0.00563	1	12/07/2017 03:37	WG1050481
n-Propylbenzene	U		0.000232	0.00113	1	12/07/2017 03:37	WG1050481
Styrene	U		0.000264	0.00113	1	12/07/2017 03:37	WG1050481
1,1,1,2-Tetrachloroethane	U		0.000298	0.00113	1	12/07/2017 03:37	WG1050481
1,1,2,2-Tetrachloroethane	U	J0	0.000411	0.00113	1	12/07/2017 03:37	WG1050481
1,1,2-Trichlorotrifluoroethane	U		0.000411	0.00113	1	12/07/2017 03:37	WG1050481
Tetrachloroethene	0.0533		0.000311	0.00113	1	12/07/2017 03:37	WG1050481
Toluene	U		0.000489	0.00563	1	12/07/2017 03:37	WG1050481
1,2,3-Trichlorobenzene	U		0.000345	0.00113	1	12/07/2017 03:37	WG1050481
1,2,4-Trichlorobenzene	U		0.000437	0.00113	1	12/07/2017 03:37	WG1050481
1,1,1-Trichloroethane	U		0.000322	0.00113	1	12/07/2017 03:37	WG1050481
1,1,2-Trichloroethane	U		0.000312	0.00113	1	12/07/2017 03:37	WG1050481
Trichloroethene	0.00364		0.000314	0.00113	1	12/07/2017 03:37	WG1050481
Trichlorofluoromethane	U		0.000430	0.00563	1	12/07/2017 03:37	WG1050481
1,2,3-Trichloropropane	U	J0	0.000835	0.00282	1	12/07/2017 03:37	WG1050481
1,2,4-Trimethylbenzene	U		0.000238	0.00113	1	12/07/2017 03:37	WG1050481
1,2,3-Trimethylbenzene	U		0.000323	0.00113	1	12/07/2017 03:37	WG1050481
1,3,5-Trimethylbenzene	U		0.000300	0.00113	1	12/07/2017 03:37	WG1050481
Vinyl acetate	U	J0 J3	0.00269	0.0113	1	12/07/2017 03:37	WG1050481
Vinyl chloride	0.106		0.000328	0.00113	1	12/07/2017 03:37	WG1050481
Xylenes, Total	U		0.000787	0.00338	1	12/07/2017 03:37	WG1050481
(S) Toluene-d8	*91.7*			*80.0-120*		*12/07/2017 03:37*	WG1050481
(S) Toluene-d8	*107*			*80.0-120*		*12/11/2017 03:45*	WG1050481
(S) Dibromofluoromethane	*108*			*74.0-131*		*12/07/2017 03:37*	WG1050481
(S) Dibromofluoromethane	*93.1*			*74.0-131*		*12/11/2017 03:45*	WG1050481
(S) 4-Bromofluorobenzene	*101*			*64.0-132*		*12/07/2017 03:37*	WG1050481
(S) 4-Bromofluorobenzene	*93.2*			*64.0-132*		*12/11/2017 03:45*	WG1050481

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

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	82.3		1	12/09/2017 11:27	WG1051549

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0121	0.0607	1	12/07/2017 03:58	WG1050481
Acrylonitrile	U		0.00217	0.0121	1	12/07/2017 03:58	WG1050481
Benzene	U		0.000328	0.00121	1	12/07/2017 03:58	WG1050481
Bromobenzene	U		0.000345	0.00121	1	12/07/2017 03:58	WG1050481
Bromodichloromethane	U		0.000309	0.00121	1	12/07/2017 03:58	WG1050481
Bromochloromethane	U		0.000474	0.00607	1	12/07/2017 03:58	WG1050481
Bromoform	U		0.000515	0.00121	1	12/07/2017 03:58	WG1050481
Bromomethane	U		0.00163	0.00607	1	12/07/2017 03:58	WG1050481
n-Butylbenzene	U		0.000313	0.00121	1	12/07/2017 03:58	WG1050481
sec-Butylbenzene	U		0.000244	0.00121	1	12/07/2017 03:58	WG1050481
tert-Butylbenzene	U		0.000250	0.00121	1	12/07/2017 03:58	WG1050481
Carbon disulfide	U		0.000268	0.00121	1	12/07/2017 03:58	WG1050481
Carbon tetrachloride	U		0.000398	0.00121	1	12/07/2017 03:58	WG1050481
Chlorobenzene	U		0.000257	0.00121	1	12/07/2017 03:58	WG1050481
Chlorodibromomethane	U		0.000453	0.00121	1	12/07/2017 03:58	WG1050481
Chloroethane	U		0.00115	0.00607	1	12/07/2017 03:58	WG1050481
Chloroform	U		0.000278	0.00607	1	12/07/2017 03:58	WG1050481
Chloromethane	U		0.000455	0.00304	1	12/07/2017 03:58	WG1050481
2-Chlorotoluene	U		0.000366	0.00121	1	12/07/2017 03:58	WG1050481
4-Chlorotoluene	U		0.000292	0.00121	1	12/07/2017 03:58	WG1050481
1,2-Dibromo-3-Chloropropane	U		0.00128	0.00607	1	12/07/2017 03:58	WG1050481
1,2-Dibromoethane	U		0.000417	0.00121	1	12/07/2017 03:58	WG1050481
Dibromomethane	U		0.000464	0.00121	1	12/07/2017 03:58	WG1050481
1,2-Dichlorobenzene	U		0.000370	0.00121	1	12/07/2017 03:58	WG1050481
1,3-Dichlorobenzene	U		0.000290	0.00121	1	12/07/2017 03:58	WG1050481
1,4-Dichlorobenzene	U		0.000274	0.00121	1	12/07/2017 03:58	WG1050481
Dichlorodifluoromethane	U		0.000866	0.00607	1	12/07/2017 03:58	WG1050481
1,1-Dichloroethane	U		0.000242	0.00121	1	12/07/2017 03:58	WG1050481
1,2-Dichloroethane	U		0.000322	0.00121	1	12/07/2017 03:58	WG1050481
1,1-Dichloroethene	0.00373		0.000368	0.00121	1	12/07/2017 03:58	WG1050481
cis-1,2-Dichloroethene	2.54		0.0143	0.0607	50	12/11/2017 04:06	WG1050481
trans-1,2-Dichloroethene	0.00119	J	0.000321	0.00121	1	12/07/2017 03:58	WG1050481
1,2-Dichloropropane	U		0.000435	0.00121	1	12/07/2017 03:58	WG1050481
1,1-Dichloropropene	U		0.000385	0.00121	1	12/07/2017 03:58	WG1050481
1,3-Dichloropropane	U		0.000251	0.00121	1	12/07/2017 03:58	WG1050481
cis-1,3-Dichloropropene	U		0.000318	0.00121	1	12/07/2017 03:58	WG1050481
trans-1,3-Dichloropropene	U		0.000324	0.00121	1	12/07/2017 03:58	WG1050481
trans-1,4-Dichloro-2-butene	U	J0	0.000945	0.00304	1	12/07/2017 03:58	WG1050481
2,2-Dichloropropane	U		0.000339	0.00121	1	12/07/2017 03:58	WG1050481
Di-isopropyl ether	U		0.000301	0.00121	1	12/07/2017 03:58	WG1050481
Ethylbenzene	U		0.000361	0.00121	1	12/07/2017 03:58	WG1050481
Hexachloro-1,3-butadiene	U		0.000415	0.00121	1	12/07/2017 03:58	WG1050481
2-Hexanone	U		0.00166	0.0121	1	12/07/2017 03:58	WG1050481
n-Hexane	U		0.000352	0.0121	1	12/07/2017 03:58	WG1050481
Iodomethane	U		0.00307	0.0121	1	12/07/2017 03:58	WG1050481
Isopropylbenzene	U		0.000295	0.00121	1	12/07/2017 03:58	WG1050481
p-Isopropyltoluene	U		0.000248	0.00121	1	12/07/2017 03:58	WG1050481
2-Butanone (MEK)	U	J3	0.00568	0.0121	1	12/07/2017 03:58	WG1050481
Methylene Chloride	U		0.00121	0.00607	1	12/07/2017 03:58	WG1050481
4-Methyl-2-pentanone (MIBK)	U		0.00228	0.0121	1	12/07/2017 03:58	WG1050481

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000257	0.00121	1	12/07/2017 03:58	WG1050481
Naphthalene	U	J0	0.00121	0.00607	1	12/07/2017 03:58	WG1050481
n-Propylbenzene	U		0.000250	0.00121	1	12/07/2017 03:58	WG1050481
Styrene	U		0.000284	0.00121	1	12/07/2017 03:58	WG1050481
1,1,1,2-Tetrachloroethane	U		0.000321	0.00121	1	12/07/2017 03:58	WG1050481
1,1,2,2-Tetrachloroethane	U	J0	0.000443	0.00121	1	12/07/2017 03:58	WG1050481
1,1,2-Trichlorotrifluoroethane	U		0.000443	0.00121	1	12/07/2017 03:58	WG1050481
Tetrachloroethene	0.0113		0.000335	0.00121	1	12/07/2017 03:58	WG1050481
Toluene	U		0.000527	0.00607	1	12/07/2017 03:58	WG1050481
1,2,3-Trichlorobenzene	U		0.000372	0.00121	1	12/07/2017 03:58	WG1050481
1,2,4-Trichlorobenzene	U		0.000471	0.00121	1	12/07/2017 03:58	WG1050481
1,1,1-Trichloroethane	U		0.000347	0.00121	1	12/07/2017 03:58	WG1050481
1,1,2-Trichloroethane	U		0.000336	0.00121	1	12/07/2017 03:58	WG1050481
Trichloroethene	0.00161		0.000339	0.00121	1	12/07/2017 03:58	WG1050481
Trichlorofluoromethane	U		0.000464	0.00607	1	12/07/2017 03:58	WG1050481
1,2,3-Trichloropropane	U	J0	0.000900	0.00304	1	12/07/2017 03:58	WG1050481
1,2,4-Trimethylbenzene	U		0.000256	0.00121	1	12/07/2017 03:58	WG1050481
1,2,3-Trimethylbenzene	U		0.000349	0.00121	1	12/07/2017 03:58	WG1050481
1,3,5-Trimethylbenzene	U		0.000323	0.00121	1	12/07/2017 03:58	WG1050481
Vinyl acetate	U	J0 J3	0.00290	0.0121	1	12/07/2017 03:58	WG1050481
Vinyl chloride	0.167		0.000353	0.00121	1	12/07/2017 03:58	WG1050481
Xylenes, Total	U		0.000848	0.00364	1	12/07/2017 03:58	WG1050481
(S) Toluene-d8	*103*			*80.0-120*		*12/11/2017 04:06*	WG1050481
(S) Toluene-d8	*92.7*			*80.0-120*		*12/07/2017 03:58*	WG1050481
(S) Dibromofluoromethane	*92.7*			*74.0-131*		*12/11/2017 04:06*	WG1050481
(S) Dibromofluoromethane	*109*			*74.0-131*		*12/07/2017 03:58*	WG1050481
(S) 4-Bromofluorobenzene	*96.4*			*64.0-132*		*12/11/2017 04:06*	WG1050481
(S) 4-Bromofluorobenzene	*101*			*64.0-132*		*12/07/2017 03:58*	WG1050481

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

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	90.0		1	12/09/2017 11:27	WG1051549

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0120	0.0600	1.08	12/07/2017 04:19	WG1050481
Acrylonitrile	U		0.00215	0.0120	1.08	12/07/2017 04:19	WG1050481
Benzene	U		0.000325	0.00120	1.08	12/07/2017 04:19	WG1050481
Bromobenzene	U		0.000341	0.00120	1.08	12/07/2017 04:19	WG1050481
Bromodichloromethane	U		0.000305	0.00120	1.08	12/07/2017 04:19	WG1050481
Bromochloromethane	U		0.000468	0.00600	1.08	12/07/2017 04:19	WG1050481
Bromoform	U		0.000509	0.00120	1.08	12/07/2017 04:19	WG1050481
Bromomethane	U		0.00161	0.00600	1.08	12/07/2017 04:19	WG1050481
n-Butylbenzene	U		0.000310	0.00120	1.08	12/07/2017 04:19	WG1050481
sec-Butylbenzene	U		0.000241	0.00120	1.08	12/07/2017 04:19	WG1050481
tert-Butylbenzene	U		0.000247	0.00120	1.08	12/07/2017 04:19	WG1050481
Carbon disulfide	U		0.000266	0.00120	1.08	12/07/2017 04:19	WG1050481
Carbon tetrachloride	U		0.000393	0.00120	1.08	12/07/2017 04:19	WG1050481
Chlorobenzene	U		0.000255	0.00120	1.08	12/07/2017 04:19	WG1050481
Chlorodibromomethane	U		0.000448	0.00120	1.08	12/07/2017 04:19	WG1050481
Chloroethane	U		0.00113	0.00600	1.08	12/07/2017 04:19	WG1050481
Chloroform	U		0.000275	0.00600	1.08	12/07/2017 04:19	WG1050481
Chloromethane	U		0.000450	0.00300	1.08	12/07/2017 04:19	WG1050481
2-Chlorotoluene	U		0.000361	0.00120	1.08	12/07/2017 04:19	WG1050481
4-Chlorotoluene	U		0.000288	0.00120	1.08	12/07/2017 04:19	WG1050481
1,2-Dibromo-3-Chloropropane	U		0.00126	0.00600	1.08	12/07/2017 04:19	WG1050481
1,2-Dibromoethane	U		0.000411	0.00120	1.08	12/07/2017 04:19	WG1050481
Dibromomethane	U		0.000458	0.00120	1.08	12/07/2017 04:19	WG1050481
1,2-Dichlorobenzene	U		0.000366	0.00120	1.08	12/07/2017 04:19	WG1050481
1,3-Dichlorobenzene	U		0.000287	0.00120	1.08	12/07/2017 04:19	WG1050481
1,4-Dichlorobenzene	U		0.000271	0.00120	1.08	12/07/2017 04:19	WG1050481
Dichlorodifluoromethane	U		0.000856	0.00600	1.08	12/07/2017 04:19	WG1050481
1,1-Dichloroethane	U		0.000239	0.00120	1.08	12/07/2017 04:19	WG1050481
1,2-Dichloroethane	U		0.000318	0.00120	1.08	12/07/2017 04:19	WG1050481
1,1-Dichloroethene	U		0.000363	0.00120	1.08	12/07/2017 04:19	WG1050481
cis-1,2-Dichloroethene	U		0.000261	0.00111	1	12/10/2017 16:44	WG1050481
trans-1,2-Dichloroethene	U		0.000317	0.00120	1.08	12/07/2017 04:19	WG1050481
1,2-Dichloropropane	U		0.000430	0.00120	1.08	12/07/2017 04:19	WG1050481
1,1-Dichloropropene	U		0.000380	0.00120	1.08	12/07/2017 04:19	WG1050481
1,3-Dichloropropane	U		0.000249	0.00120	1.08	12/07/2017 04:19	WG1050481
cis-1,3-Dichloropropene	U		0.000315	0.00120	1.08	12/07/2017 04:19	WG1050481
trans-1,3-Dichloropropene	U		0.000320	0.00120	1.08	12/07/2017 04:19	WG1050481
trans-1,4-Dichloro-2-butene	U	J0	0.000934	0.00300	1.08	12/07/2017 04:19	WG1050481
2,2-Dichloropropane	U		0.000335	0.00120	1.08	12/07/2017 04:19	WG1050481
Di-isopropyl ether	U		0.000298	0.00120	1.08	12/07/2017 04:19	WG1050481
Ethylbenzene	U		0.000357	0.00120	1.08	12/07/2017 04:19	WG1050481
Hexachloro-1,3-butadiene	U		0.000410	0.00120	1.08	12/07/2017 04:19	WG1050481
2-Hexanone	U		0.00164	0.0120	1.08	12/07/2017 04:19	WG1050481
n-Hexane	U		0.000348	0.0120	1.08	12/07/2017 04:19	WG1050481
Iodomethane	U		0.00303	0.0120	1.08	12/07/2017 04:19	WG1050481
Isopropylbenzene	U		0.000291	0.00120	1.08	12/07/2017 04:19	WG1050481
p-Isopropyltoluene	U		0.000245	0.00120	1.08	12/07/2017 04:19	WG1050481
2-Butanone (MEK)	U	J3	0.00561	0.0120	1.08	12/07/2017 04:19	WG1050481
Methylene Chloride	U		0.00120	0.00600	1.08	12/07/2017 04:19	WG1050481
4-Methyl-2-pentanone (MIBK)	U		0.00226	0.0120	1.08	12/07/2017 04:19	WG1050481

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000255	0.00120	1.08	12/07/2017 04:19	WG1050481
Naphthalene	U	J0	0.00120	0.00600	1.08	12/07/2017 04:19	WG1050481
n-Propylbenzene	U		0.000247	0.00120	1.08	12/07/2017 04:19	WG1050481
Styrene	U		0.000281	0.00120	1.08	12/07/2017 04:19	WG1050481
1,1,1,2-Tetrachloroethane	U		0.000317	0.00120	1.08	12/07/2017 04:19	WG1050481
1,1,2,2-Tetrachloroethane	U	J0	0.000438	0.00120	1.08	12/07/2017 04:19	WG1050481
1,1,2-Trichlorotrifluoroethane	U		0.000438	0.00120	1.08	12/07/2017 04:19	WG1050481
Tetrachloroethene	0.0393		0.000331	0.00120	1.08	12/07/2017 04:19	WG1050481
Toluene	U		0.000521	0.00600	1.08	12/07/2017 04:19	WG1050481
1,2,3-Trichlorobenzene	U		0.000367	0.00120	1.08	12/07/2017 04:19	WG1050481
1,2,4-Trichlorobenzene	U		0.000466	0.00120	1.08	12/07/2017 04:19	WG1050481
1,1,1-Trichloroethane	U		0.000343	0.00120	1.08	12/07/2017 04:19	WG1050481
1,1,2-Trichloroethane	U		0.000332	0.00120	1.08	12/07/2017 04:19	WG1050481
Trichloroethene	0.000776	J	0.000335	0.00120	1.08	12/07/2017 04:19	WG1050481
Trichlorofluoromethane	U		0.000458	0.00600	1.08	12/07/2017 04:19	WG1050481
1,2,3-Trichloropropane	U	J0	0.000889	0.00300	1.08	12/07/2017 04:19	WG1050481
1,2,4-Trimethylbenzene	U		0.000253	0.00120	1.08	12/07/2017 04:19	WG1050481
1,2,3-Trimethylbenzene	U		0.000345	0.00120	1.08	12/07/2017 04:19	WG1050481
1,3,5-Trimethylbenzene	U		0.000319	0.00120	1.08	12/07/2017 04:19	WG1050481
Vinyl acetate	U	J0 J3	0.00287	0.0120	1.08	12/07/2017 04:19	WG1050481
Vinyl chloride	U		0.000349	0.00120	1.08	12/07/2017 04:19	WG1050481
Xylenes, Total	U		0.000838	0.00360	1.08	12/07/2017 04:19	WG1050481
(S) Toluene-d8	*91.6*			*80.0-120*		*12/07/2017 04:19*	WG1050481
(S) Toluene-d8	*95.0*			*80.0-120*		*12/10/2017 16:44*	WG1050481
(S) Dibromofluoromethane	*119*			*74.0-131*		*12/10/2017 16:44*	WG1050481
(S) Dibromofluoromethane	*110*			*74.0-131*		*12/07/2017 04:19*	WG1050481
(S) 4-Bromofluorobenzene	*101*			*64.0-132*		*12/10/2017 16:44*	WG1050481
(S) 4-Bromofluorobenzene	*98.0*			*64.0-132*		*12/07/2017 04:19*	WG1050481

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

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

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	90.3		1	12/09/2017 11:27	WG1051549

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0111	0.0554	1	12/10/2017 17:04	WG1050481
Acrylonitrile	U		0.00198	0.0111	1	12/10/2017 17:04	WG1050481
Benzene	U		0.000299	0.00111	1	12/10/2017 17:04	WG1050481
Bromobenzene	U		0.000314	0.00111	1	12/10/2017 17:04	WG1050481
Bromodichloromethane	U		0.000281	0.00111	1	12/10/2017 17:04	WG1050481
Bromochloromethane	U		0.000432	0.00554	1	12/10/2017 17:04	WG1050481
Bromoform	U		0.000469	0.00111	1	12/10/2017 17:04	WG1050481
Bromomethane	U		0.00148	0.00554	1	12/10/2017 17:04	WG1050481
n-Butylbenzene	U		0.000286	0.00111	1	12/10/2017 17:04	WG1050481
sec-Butylbenzene	U		0.000223	0.00111	1	12/10/2017 17:04	WG1050481
tert-Butylbenzene	U		0.000228	0.00111	1	12/10/2017 17:04	WG1050481
Carbon disulfide	U		0.000245	0.00111	1	12/10/2017 17:04	WG1050481
Carbon tetrachloride	U		0.000363	0.00111	1	12/10/2017 17:04	WG1050481
Chlorobenzene	U		0.000235	0.00111	1	12/10/2017 17:04	WG1050481
Chlorodibromomethane	U		0.000413	0.00111	1	12/10/2017 17:04	WG1050481
Chloroethane	U		0.00105	0.00554	1	12/10/2017 17:04	WG1050481
Chloroform	U		0.000254	0.00554	1	12/10/2017 17:04	WG1050481
Chloromethane	U		0.000415	0.00277	1	12/10/2017 17:04	WG1050481
2-Chlorotoluene	U		0.000333	0.00111	1	12/10/2017 17:04	WG1050481
4-Chlorotoluene	U		0.000266	0.00111	1	12/10/2017 17:04	WG1050481
1,2-Dibromo-3-Chloropropane	U		0.00116	0.00554	1	12/10/2017 17:04	WG1050481
1,2-Dibromoethane	U		0.000380	0.00111	1	12/10/2017 17:04	WG1050481
Dibromomethane	U		0.000423	0.00111	1	12/10/2017 17:04	WG1050481
1,2-Dichlorobenzene	U		0.000338	0.00111	1	12/10/2017 17:04	WG1050481
1,3-Dichlorobenzene	U		0.000265	0.00111	1	12/10/2017 17:04	WG1050481
1,4-Dichlorobenzene	U		0.000250	0.00111	1	12/10/2017 17:04	WG1050481
Dichlorodifluoromethane	U		0.000789	0.00554	1	12/10/2017 17:04	WG1050481
1,1-Dichloroethane	U		0.000220	0.00111	1	12/10/2017 17:04	WG1050481
1,2-Dichloroethane	U		0.000293	0.00111	1	12/10/2017 17:04	WG1050481
1,1-Dichloroethene	U		0.000335	0.00111	1	12/10/2017 17:04	WG1050481
cis-1,2-Dichloroethene	0.000746	J	0.000260	0.00111	1	12/10/2017 17:04	WG1050481
trans-1,2-Dichloroethene	U		0.000292	0.00111	1	12/10/2017 17:04	WG1050481
1,2-Dichloropropane	U		0.000396	0.00111	1	12/10/2017 17:04	WG1050481
1,1-Dichloropropene	U		0.000351	0.00111	1	12/10/2017 17:04	WG1050481
1,3-Dichloropropane	U		0.000229	0.00111	1	12/10/2017 17:04	WG1050481
cis-1,3-Dichloropropene	U		0.000290	0.00111	1	12/10/2017 17:04	WG1050481
trans-1,3-Dichloropropene	U		0.000296	0.00111	1	12/10/2017 17:04	WG1050481
trans-1,4-Dichloro-2-butene	U		0.000861	0.00277	1	12/10/2017 17:04	WG1050481
2,2-Dichloropropane	U		0.000309	0.00111	1	12/10/2017 17:04	WG1050481
Di-isopropyl ether	U		0.000275	0.00111	1	12/10/2017 17:04	WG1050481
Ethylbenzene	U		0.000329	0.00111	1	12/10/2017 17:04	WG1050481
Hexachloro-1,3-butadiene	U		0.000379	0.00111	1	12/10/2017 17:04	WG1050481
2-Hexanone	U		0.00152	0.0111	1	12/10/2017 17:04	WG1050481
n-Hexane	U		0.000321	0.0111	1	12/10/2017 17:04	WG1050481
Iodomethane	U		0.00280	0.0111	1	12/10/2017 17:04	WG1050481
Isopropylbenzene	U		0.000269	0.00111	1	12/10/2017 17:04	WG1050481
p-Isopropyltoluene	U		0.000226	0.00111	1	12/10/2017 17:04	WG1050481
2-Butanone (MEK)	U	J3	0.00518	0.0111	1	12/10/2017 17:04	WG1050481
Methylene Chloride	U		0.00111	0.00554	1	12/10/2017 17:04	WG1050481
4-Methyl-2-pentanone (MIBK)	U		0.00208	0.0111	1	12/10/2017 17:04	WG1050481

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000235	0.00111	1	12/10/2017 17:04	WG1050481
Naphthalene	U		0.00111	0.00554	1	12/10/2017 17:04	WG1050481
n-Propylbenzene	U		0.000228	0.00111	1	12/10/2017 17:04	WG1050481
Styrene	U		0.000259	0.00111	1	12/10/2017 17:04	WG1050481
1,1,1,2-Tetrachloroethane	U		0.000292	0.00111	1	12/10/2017 17:04	WG1050481
1,1,2,2-Tetrachloroethane	U		0.000404	0.00111	1	12/10/2017 17:04	WG1050481
1,1,2-Trichlorotrifluoroethane	U		0.000404	0.00111	1	12/10/2017 17:04	WG1050481
Tetrachloroethene	0.0424		0.000306	0.00111	1	12/10/2017 17:04	WG1050481
Toluene	U		0.000480	0.00554	1	12/10/2017 17:04	WG1050481
1,2,3-Trichlorobenzene	U		0.000339	0.00111	1	12/10/2017 17:04	WG1050481
1,2,4-Trichlorobenzene	U		0.000430	0.00111	1	12/10/2017 17:04	WG1050481
1,1,1-Trichloroethane	U		0.000317	0.00111	1	12/10/2017 17:04	WG1050481
1,1,2-Trichloroethane	U		0.000307	0.00111	1	12/10/2017 17:04	WG1050481
Trichloroethene	0.00527		0.000309	0.00111	1	12/10/2017 17:04	WG1050481
Trichlorofluoromethane	U		0.000423	0.00554	1	12/10/2017 17:04	WG1050481
1,2,3-Trichloropropane	U		0.000820	0.00277	1	12/10/2017 17:04	WG1050481
1,2,4-Trimethylbenzene	U		0.000234	0.00111	1	12/10/2017 17:04	WG1050481
1,2,3-Trimethylbenzene	U		0.000318	0.00111	1	12/10/2017 17:04	WG1050481
1,3,5-Trimethylbenzene	U		0.000294	0.00111	1	12/10/2017 17:04	WG1050481
Vinyl acetate	U	J3	0.00265	0.0111	1	12/10/2017 17:04	WG1050481
Vinyl chloride	U		0.000322	0.00111	1	12/10/2017 17:04	WG1050481
Xylenes, Total	U		0.000773	0.00332	1	12/10/2017 17:04	WG1050481
(S) Toluene-d8	*95.4*			*80.0-120*		*12/10/2017 17:04*	WG1050481
(S) Dibromofluoromethane	*119*			*74.0-131*		*12/10/2017 17:04*	WG1050481
(S) 4-Bromofluorobenzene	*100*			*64.0-132*		*12/10/2017 17:04*	WG1050481

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	91.2		1	12/11/2017 15:49	WG1051550

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0110	0.0548	1	12/10/2017 17:24	WG1050481
Acrylonitrile	U		0.00196	0.0110	1	12/10/2017 17:24	WG1050481
Benzene	0.000326	J	0.000296	0.00110	1	12/10/2017 17:24	WG1050481
Bromobenzene	U		0.000311	0.00110	1	12/10/2017 17:24	WG1050481
Bromodichloromethane	U		0.000278	0.00110	1	12/10/2017 17:24	WG1050481
Bromochloromethane	U		0.000427	0.00548	1	12/10/2017 17:24	WG1050481
Bromoform	U		0.000465	0.00110	1	12/10/2017 17:24	WG1050481
Bromomethane	U		0.00147	0.00548	1	12/10/2017 17:24	WG1050481
n-Butylbenzene	U		0.000283	0.00110	1	12/10/2017 17:24	WG1050481
sec-Butylbenzene	U		0.000220	0.00110	1	12/10/2017 17:24	WG1050481
tert-Butylbenzene	U		0.000226	0.00110	1	12/10/2017 17:24	WG1050481
Carbon disulfide	0.000472	J	0.000242	0.00110	1	12/10/2017 17:24	WG1050481
Carbon tetrachloride	U		0.000360	0.00110	1	12/10/2017 17:24	WG1050481
Chlorobenzene	U		0.000232	0.00110	1	12/10/2017 17:24	WG1050481
Chlorodibromomethane	U		0.000409	0.00110	1	12/10/2017 17:24	WG1050481
Chloroethane	U		0.00104	0.00548	1	12/10/2017 17:24	WG1050481
Chloroform	U		0.000251	0.00548	1	12/10/2017 17:24	WG1050481
Chloromethane	U		0.000411	0.00274	1	12/10/2017 17:24	WG1050481
2-Chlorotoluene	U		0.000330	0.00110	1	12/10/2017 17:24	WG1050481
4-Chlorotoluene	U		0.000263	0.00110	1	12/10/2017 17:24	WG1050481
1,2-Dibromo-3-Chloropropane	U		0.00115	0.00548	1	12/10/2017 17:24	WG1050481
1,2-Dibromoethane	U		0.000376	0.00110	1	12/10/2017 17:24	WG1050481
Dibromomethane	U		0.000419	0.00110	1	12/10/2017 17:24	WG1050481
1,2-Dichlorobenzene	U		0.000334	0.00110	1	12/10/2017 17:24	WG1050481
1,3-Dichlorobenzene	U		0.000262	0.00110	1	12/10/2017 17:24	WG1050481
1,4-Dichlorobenzene	U		0.000248	0.00110	1	12/10/2017 17:24	WG1050481
Dichlorodifluoromethane	U		0.000782	0.00548	1	12/10/2017 17:24	WG1050481
1,1-Dichloroethane	U		0.000218	0.00110	1	12/10/2017 17:24	WG1050481
1,2-Dichloroethane	U		0.000290	0.00110	1	12/10/2017 17:24	WG1050481
1,1-Dichloroethene	U		0.000332	0.00110	1	12/10/2017 17:24	WG1050481
cis-1,2-Dichloroethene	0.00618		0.000258	0.00110	1	12/10/2017 17:24	WG1050481
trans-1,2-Dichloroethene	U		0.000289	0.00110	1	12/10/2017 17:24	WG1050481
1,2-Dichloropropane	U		0.000392	0.00110	1	12/10/2017 17:24	WG1050481
1,1-Dichloropropene	U		0.000347	0.00110	1	12/10/2017 17:24	WG1050481
1,3-Dichloropropane	U		0.000227	0.00110	1	12/10/2017 17:24	WG1050481
cis-1,3-Dichloropropene	U		0.000287	0.00110	1	12/10/2017 17:24	WG1050481
trans-1,3-Dichloropropene	U		0.000293	0.00110	1	12/10/2017 17:24	WG1050481
trans-1,4-Dichloro-2-butene	U		0.000853	0.00274	1	12/10/2017 17:24	WG1050481
2,2-Dichloropropane	U		0.000306	0.00110	1	12/10/2017 17:24	WG1050481
Di-isopropyl ether	U		0.000272	0.00110	1	12/10/2017 17:24	WG1050481
Ethylbenzene	U		0.000326	0.00110	1	12/10/2017 17:24	WG1050481
Hexachloro-1,3-butadiene	U		0.000375	0.00110	1	12/10/2017 17:24	WG1050481
2-Hexanone	U		0.00150	0.0110	1	12/10/2017 17:24	WG1050481
n-Hexane	0.000757	J	0.000318	0.0110	1	12/10/2017 17:24	WG1050481
Iodomethane	U		0.00277	0.0110	1	12/10/2017 17:24	WG1050481
Isopropylbenzene	U		0.000266	0.00110	1	12/10/2017 17:24	WG1050481
p-Isopropyltoluene	U		0.000224	0.00110	1	12/10/2017 17:24	WG1050481
2-Butanone (MEK)	U	J3	0.00513	0.0110	1	12/10/2017 17:24	WG1050481
Methylene Chloride	U		0.00110	0.00548	1	12/10/2017 17:24	WG1050481
4-Methyl-2-pentanone (MIBK)	U		0.00206	0.0110	1	12/10/2017 17:24	WG1050481

B-235-40

Collected date/time: 12/05/17 09:25

SAMPLE RESULTS - 10

L955420

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000232	0.00110	1	12/10/2017 17:24	WG1050481
Naphthalene	U		0.00110	0.00548	1	12/10/2017 17:24	WG1050481
n-Propylbenzene	U		0.000226	0.00110	1	12/10/2017 17:24	WG1050481
Styrene	U		0.000256	0.00110	1	12/10/2017 17:24	WG1050481
1,1,1,2-Tetrachloroethane	U		0.000289	0.00110	1	12/10/2017 17:24	WG1050481
1,1,2,2-Tetrachloroethane	U		0.000400	0.00110	1	12/10/2017 17:24	WG1050481
1,1,2-Trichlorotrifluoroethane	U		0.000400	0.00110	1	12/10/2017 17:24	WG1050481
Tetrachloroethene	2.24		0.00756	0.0274	25	12/11/2017 18:04	WG1050481
Toluene	U		0.000476	0.00548	1	12/10/2017 17:24	WG1050481
1,2,3-Trichlorobenzene	U		0.000335	0.00110	1	12/10/2017 17:24	WG1050481
1,2,4-Trichlorobenzene	U		0.000425	0.00110	1	12/10/2017 17:24	WG1050481
1,1,1-Trichloroethane	U		0.000313	0.00110	1	12/10/2017 17:24	WG1050481
1,1,2-Trichloroethane	U		0.000304	0.00110	1	12/10/2017 17:24	WG1050481
Trichloroethene	0.0233		0.000306	0.00110	1	12/10/2017 17:24	WG1050481
Trichlorofluoromethane	U		0.000419	0.00548	1	12/10/2017 17:24	WG1050481
1,2,3-Trichloropropane	U		0.000812	0.00274	1	12/10/2017 17:24	WG1050481
1,2,4-Trimethylbenzene	U		0.000231	0.00110	1	12/10/2017 17:24	WG1050481
1,2,3-Trimethylbenzene	U		0.000315	0.00110	1	12/10/2017 17:24	WG1050481
1,3,5-Trimethylbenzene	U		0.000292	0.00110	1	12/10/2017 17:24	WG1050481
Vinyl acetate	U	J3	0.00262	0.0110	1	12/10/2017 17:24	WG1050481
Vinyl chloride	U		0.000319	0.00110	1	12/10/2017 17:24	WG1050481
Xylenes, Total	U		0.000765	0.00329	1	12/10/2017 17:24	WG1050481
(S) Toluene-d8	*95.2*			*80.0-120*		*12/11/2017 18:04*	WG1050481
(S) Toluene-d8	*96.6*			*80.0-120*		*12/10/2017 17:24*	WG1050481
(S) Dibromofluoromethane	*115*			*74.0-131*		*12/10/2017 17:24*	WG1050481
(S) Dibromofluoromethane	*99.5*			*74.0-131*		*12/11/2017 18:04*	WG1050481
(S) 4-Bromofluorobenzene	*100*			*64.0-132*		*12/10/2017 17:24*	WG1050481
(S) 4-Bromofluorobenzene	*98.8*			*64.0-132*		*12/11/2017 18:04*	WG1050481

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

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

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	91.6		1	12/11/2017 15:49	WG1051550

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		2.18	10.9	200	12/12/2017 14:08	WG1050481
Acrylonitrile	U		0.391	2.18	200	12/12/2017 14:08	WG1050481
Benzene	U		0.0590	0.218	200	12/12/2017 14:08	WG1050481
Bromobenzene	U		0.0620	0.218	200	12/12/2017 14:08	WG1050481
Bromodichloromethane	U		0.0555	0.218	200	12/12/2017 14:08	WG1050481
Bromochloromethane	U		0.0852	1.09	200	12/12/2017 14:08	WG1050481
Bromoform	U		0.0926	0.218	200	12/12/2017 14:08	WG1050481
Bromomethane	U		0.293	1.09	200	12/12/2017 14:08	WG1050481
n-Butylbenzene	U		0.0563	0.218	200	12/12/2017 14:08	WG1050481
sec-Butylbenzene	U		0.0439	0.218	200	12/12/2017 14:08	WG1050481
tert-Butylbenzene	U		0.0450	0.218	200	12/12/2017 14:08	WG1050481
Carbon disulfide	U		0.0483	0.218	200	12/12/2017 14:08	WG1050481
Carbon tetrachloride	U		0.0716	0.218	200	12/12/2017 14:08	WG1050481
Chlorobenzene	U		0.0463	0.218	200	12/12/2017 14:08	WG1050481
Chlorodibromomethane	U		0.0815	0.218	200	12/12/2017 14:08	WG1050481
Chloroethane	U		0.206	1.09	200	12/12/2017 14:08	WG1050481
Chloroform	U		0.0500	1.09	200	12/12/2017 14:08	WG1050481
Chloromethane	U		0.0819	0.546	200	12/12/2017 14:08	WG1050481
2-Chlorotoluene	U		0.0657	0.218	200	12/12/2017 14:08	WG1050481
4-Chlorotoluene	U		0.0524	0.218	200	12/12/2017 14:08	WG1050481
1,2-Dibromo-3-Chloropropane	U		0.229	1.09	200	12/12/2017 14:08	WG1050481
1,2-Dibromoethane	U		0.0749	0.218	200	12/12/2017 14:08	WG1050481
Dibromomethane	U		0.0834	0.218	200	12/12/2017 14:08	WG1050481
1,2-Dichlorobenzene	U		0.0666	0.218	200	12/12/2017 14:08	WG1050481
1,3-Dichlorobenzene	U		0.0522	0.218	200	12/12/2017 14:08	WG1050481
1,4-Dichlorobenzene	U		0.0494	0.218	200	12/12/2017 14:08	WG1050481
Dichlorodifluoromethane	U		0.156	1.09	200	12/12/2017 14:08	WG1050481
1,1-Dichloroethane	U		0.0435	0.218	200	12/12/2017 14:08	WG1050481
1,2-Dichloroethane	U		0.0579	0.218	200	12/12/2017 14:08	WG1050481
1,1-Dichloroethene	U		0.0662	0.218	200	12/12/2017 14:08	WG1050481
cis-1,2-Dichloroethene	2.07		0.0513	0.218	200	12/12/2017 14:08	WG1050481
trans-1,2-Dichloroethene	U		0.0577	0.218	200	12/12/2017 14:08	WG1050481
1,2-Dichloropropane	U		0.0782	0.218	200	12/12/2017 14:08	WG1050481
1,1-Dichloropropene	U		0.0692	0.218	200	12/12/2017 14:08	WG1050481
1,3-Dichloropropane	U		0.0452	0.218	200	12/12/2017 14:08	WG1050481
cis-1,3-Dichloropropene	U		0.0572	0.218	200	12/12/2017 14:08	WG1050481
trans-1,3-Dichloropropene	U		0.0583	0.218	200	12/12/2017 14:08	WG1050481
trans-1,4-Dichloro-2-butene	U	J0	0.170	0.546	200	12/12/2017 14:08	WG1050481
2,2-Dichloropropane	U		0.0609	0.218	200	12/12/2017 14:08	WG1050481
Di-isopropyl ether	U		0.0542	0.218	200	12/12/2017 14:08	WG1050481
Ethylbenzene	U		0.0649	0.218	200	12/12/2017 14:08	WG1050481
Hexachloro-1,3-butadiene	U		0.0747	0.218	200	12/12/2017 14:08	WG1050481
2-Hexanone	U		0.299	2.18	200	12/12/2017 14:08	WG1050481
n-Hexane	U		0.0633	2.18	200	12/12/2017 14:08	WG1050481
Iodomethane	U		0.553	2.18	200	12/12/2017 14:08	WG1050481
Isopropylbenzene	U		0.0531	0.218	200	12/12/2017 14:08	WG1050481
p-Isopropyltoluene	U		0.0446	0.218	200	12/12/2017 14:08	WG1050481
2-Butanone (MEK)	U	J3	1.02	2.18	200	12/12/2017 14:08	WG1050481
Methylene Chloride	U		0.218	1.09	200	12/12/2017 14:08	WG1050481
4-Methyl-2-pentanone (MIBK)	U		0.411	2.18	200	12/12/2017 14:08	WG1050481

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.0463	0.218	200	12/12/2017 14:08	WG1050481
Naphthalene	U	J0	0.218	1.09	200	12/12/2017 14:08	WG1050481
n-Propylbenzene	U		0.0450	0.218	200	12/12/2017 14:08	WG1050481
Styrene	U		0.0511	0.218	200	12/12/2017 14:08	WG1050481
1,1,1,2-Tetrachloroethane	U		0.0577	0.218	200	12/12/2017 14:08	WG1050481
1,1,2,2-Tetrachloroethane	U		0.0797	0.218	200	12/12/2017 14:08	WG1050481
1,1,2-Trichlorotrifluoroethane	U		0.0797	0.218	200	12/12/2017 14:08	WG1050481
Tetrachloroethene	18.9		0.0603	0.218	200	12/12/2017 14:08	WG1050481
Toluene	U		0.0948	1.09	200	12/12/2017 14:08	WG1050481
1,2,3-Trichlorobenzene	U		0.0668	0.218	200	12/12/2017 14:08	WG1050481
1,2,4-Trichlorobenzene	U		0.0847	0.218	200	12/12/2017 14:08	WG1050481
1,1,1-Trichloroethane	U		0.0625	0.218	200	12/12/2017 14:08	WG1050481
1,1,2-Trichloroethane	U		0.0605	0.218	200	12/12/2017 14:08	WG1050481
Trichloroethene	1.06		0.0609	0.218	200	12/12/2017 14:08	WG1050481
Trichlorofluoromethane	U		0.0834	1.09	200	12/12/2017 14:08	WG1050481
1,2,3-Trichloropropane	U	J0	0.162	0.546	200	12/12/2017 14:08	WG1050481
1,2,4-Trimethylbenzene	U		0.0461	0.218	200	12/12/2017 14:08	WG1050481
1,2,3-Trimethylbenzene	U		0.0627	0.218	200	12/12/2017 14:08	WG1050481
1,3,5-Trimethylbenzene	U		0.0581	0.218	200	12/12/2017 14:08	WG1050481
Vinyl acetate	U	J3	0.522	2.18	200	12/12/2017 14:08	WG1050481
Vinyl chloride	0.0877	J	0.0635	0.218	200	12/12/2017 14:08	WG1050481
Xylenes, Total	U		0.153	0.655	200	12/12/2017 14:08	WG1050481
(S) Toluene-d8	*97.3*			*80.0-120*		*12/12/2017 14:08*	WG1050481
(S) Dibromofluoromethane	*99.2*			*74.0-131*		*12/12/2017 14:08*	WG1050481
(S) 4-Bromofluorobenzene	*96.8*			*64.0-132*		*12/12/2017 14:08*	WG1050481

Sample Narrative:

L955420-11 WG1050481: Cannot be analyzed at a lower dilution due to high levels of target analytes.

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	88.8		1	12/11/2017 15:49	WG1051550

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0563	1	12/07/2017 05:44	WG1050481
Acrylonitrile	U		0.00202	0.0113	1	12/07/2017 05:44	WG1050481
Benzene	U		0.000304	0.00113	1	12/07/2017 05:44	WG1050481
Bromobenzene	U		0.000320	0.00113	1	12/07/2017 05:44	WG1050481
Bromodichloromethane	U		0.000286	0.00113	1	12/07/2017 05:44	WG1050481
Bromochloromethane	U		0.000439	0.00563	1	12/07/2017 05:44	WG1050481
Bromoform	U		0.000477	0.00113	1	12/07/2017 05:44	WG1050481
Bromomethane	U		0.00151	0.00563	1	12/07/2017 05:44	WG1050481
n-Butylbenzene	U		0.000291	0.00113	1	12/07/2017 05:44	WG1050481
sec-Butylbenzene	U		0.000226	0.00113	1	12/07/2017 05:44	WG1050481
tert-Butylbenzene	U		0.000232	0.00113	1	12/07/2017 05:44	WG1050481
Carbon disulfide	0.000767	J	0.000249	0.00113	1	12/07/2017 05:44	WG1050481
Carbon tetrachloride	U		0.000369	0.00113	1	12/07/2017 05:44	WG1050481
Chlorobenzene	U		0.000239	0.00113	1	12/07/2017 05:44	WG1050481
Chlorodibromomethane	U		0.000420	0.00113	1	12/07/2017 05:44	WG1050481
Chloroethane	U		0.00107	0.00563	1	12/07/2017 05:44	WG1050481
Chloroform	U		0.000258	0.00563	1	12/07/2017 05:44	WG1050481
Chloromethane	U		0.000422	0.00282	1	12/07/2017 05:44	WG1050481
2-Chlorotoluene	U		0.000339	0.00113	1	12/07/2017 05:44	WG1050481
4-Chlorotoluene	U		0.000270	0.00113	1	12/07/2017 05:44	WG1050481
1,2-Dibromo-3-Chloropropane	U		0.00118	0.00563	1	12/07/2017 05:44	WG1050481
1,2-Dibromoethane	U		0.000386	0.00113	1	12/07/2017 05:44	WG1050481
Dibromomethane	U		0.000430	0.00113	1	12/07/2017 05:44	WG1050481
1,2-Dichlorobenzene	U		0.000343	0.00113	1	12/07/2017 05:44	WG1050481
1,3-Dichlorobenzene	U		0.000269	0.00113	1	12/07/2017 05:44	WG1050481
1,4-Dichlorobenzene	U		0.000255	0.00113	1	12/07/2017 05:44	WG1050481
Dichlorodifluoromethane	U		0.000803	0.00563	1	12/07/2017 05:44	WG1050481
1,1-Dichloroethane	U		0.000224	0.00113	1	12/07/2017 05:44	WG1050481
1,2-Dichloroethane	U		0.000298	0.00113	1	12/07/2017 05:44	WG1050481
1,1-Dichloroethene	0.00276		0.000341	0.00113	1	12/07/2017 05:44	WG1050481
cis-1,2-Dichloroethene	0.479		0.0357	0.152	135	12/11/2017 04:48	WG1050481
trans-1,2-Dichloroethene	0.000963	J	0.000297	0.00113	1	12/07/2017 05:44	WG1050481
1,2-Dichloropropane	U		0.000403	0.00113	1	12/07/2017 05:44	WG1050481
1,1-Dichloropropene	U		0.000357	0.00113	1	12/07/2017 05:44	WG1050481
1,3-Dichloropropane	U		0.000233	0.00113	1	12/07/2017 05:44	WG1050481
cis-1,3-Dichloropropene	U		0.000295	0.00113	1	12/07/2017 05:44	WG1050481
trans-1,3-Dichloropropene	U		0.000301	0.00113	1	12/07/2017 05:44	WG1050481
trans-1,4-Dichloro-2-butene	U	J0	0.000876	0.00282	1	12/07/2017 05:44	WG1050481
2,2-Dichloropropane	U		0.000314	0.00113	1	12/07/2017 05:44	WG1050481
Di-isopropyl ether	U		0.000279	0.00113	1	12/07/2017 05:44	WG1050481
Ethylbenzene	U		0.000334	0.00113	1	12/07/2017 05:44	WG1050481
Hexachloro-1,3-butadiene	U		0.000385	0.00113	1	12/07/2017 05:44	WG1050481
2-Hexanone	U		0.00154	0.0113	1	12/07/2017 05:44	WG1050481
n-Hexane	0.000505	J	0.000327	0.0113	1	12/07/2017 05:44	WG1050481
Iodomethane	U		0.00285	0.0113	1	12/07/2017 05:44	WG1050481
Isopropylbenzene	U		0.000274	0.00113	1	12/07/2017 05:44	WG1050481
p-Isopropyltoluene	U		0.000230	0.00113	1	12/07/2017 05:44	WG1050481
2-Butanone (MEK)	U	J3	0.00527	0.0113	1	12/07/2017 05:44	WG1050481
Methylene Chloride	U		0.00113	0.00563	1	12/07/2017 05:44	WG1050481
4-Methyl-2-pentanone (MIBK)	U		0.00212	0.0113	1	12/07/2017 05:44	WG1050481

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

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000239	0.00113	1	12/07/2017 05:44	WG1050481
Naphthalene	U	J0	0.00113	0.00563	1	12/07/2017 05:44	WG1050481
n-Propylbenzene	U		0.000232	0.00113	1	12/07/2017 05:44	WG1050481
Styrene	U		0.000264	0.00113	1	12/07/2017 05:44	WG1050481
1,1,1,2-Tetrachloroethane	U		0.000297	0.00113	1	12/07/2017 05:44	WG1050481
1,1,2,2-Tetrachloroethane	U	J0	0.000411	0.00113	1	12/07/2017 05:44	WG1050481
1,1,2-Trichlorotrifluoroethane	U		0.000411	0.00113	1	12/07/2017 05:44	WG1050481
Tetrachloroethene	20.7		0.0420	0.152	135	12/11/2017 04:48	WG1050481
Toluene	0.000506	J	0.000489	0.00563	1	12/07/2017 05:44	WG1050481
1,2,3-Trichlorobenzene	U		0.000345	0.00113	1	12/07/2017 05:44	WG1050481
1,2,4-Trichlorobenzene	U		0.000437	0.00113	1	12/07/2017 05:44	WG1050481
1,1,1-Trichloroethane	U		0.000322	0.00113	1	12/07/2017 05:44	WG1050481
1,1,2-Trichloroethane	U		0.000312	0.00113	1	12/07/2017 05:44	WG1050481
Trichloroethene	1.09		0.0425	0.152	135	12/11/2017 04:48	WG1050481
Trichlorofluoromethane	U		0.000430	0.00563	1	12/07/2017 05:44	WG1050481
1,2,3-Trichloropropane	U	J0	0.000834	0.00282	1	12/07/2017 05:44	WG1050481
1,2,4-Trimethylbenzene	0.000312	J	0.000238	0.00113	1	12/07/2017 05:44	WG1050481
1,2,3-Trimethylbenzene	U		0.000323	0.00113	1	12/07/2017 05:44	WG1050481
1,3,5-Trimethylbenzene	U		0.000300	0.00113	1	12/07/2017 05:44	WG1050481
Vinyl acetate	U	J0 J3	0.00269	0.0113	1	12/07/2017 05:44	WG1050481
Vinyl chloride	0.0885		0.000328	0.00113	1	12/07/2017 05:44	WG1050481
Xylenes, Total	U		0.000786	0.00338	1	12/07/2017 05:44	WG1050481
(S) Toluene-d8	*88.7*			*80.0-120*		*12/07/2017 05:44*	WG1050481
(S) Toluene-d8	*103*			*80.0-120*		*12/11/2017 04:48*	WG1050481
(S) Dibromofluoromethane	*108*			*74.0-131*		*12/07/2017 05:44*	WG1050481
(S) Dibromofluoromethane	*95.7*			*74.0-131*		*12/11/2017 04:48*	WG1050481
(S) 4-Bromofluorobenzene	*110*			*64.0-132*		*12/07/2017 05:44*	WG1050481
(S) 4-Bromofluorobenzene	*93.6*			*64.0-132*		*12/11/2017 04:48*	WG1050481

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

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	87.5		1	12/11/2017 15:49	WG1051550

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0114	0.0572	1	12/07/2017 06:05	WG1050481
Acrylonitrile	U		0.00205	0.0114	1	12/07/2017 06:05	WG1050481
Benzene	U		0.000309	0.00114	1	12/07/2017 06:05	WG1050481
Bromobenzene	U		0.000325	0.00114	1	12/07/2017 06:05	WG1050481
Bromodichloromethane	U		0.000290	0.00114	1	12/07/2017 06:05	WG1050481
Bromochloromethane	U		0.000446	0.00572	1	12/07/2017 06:05	WG1050481
Bromoform	U		0.000485	0.00114	1	12/07/2017 06:05	WG1050481
Bromomethane	U		0.00153	0.00572	1	12/07/2017 06:05	WG1050481
n-Butylbenzene	U		0.000295	0.00114	1	12/07/2017 06:05	WG1050481
sec-Butylbenzene	U		0.000230	0.00114	1	12/07/2017 06:05	WG1050481
tert-Butylbenzene	U		0.000236	0.00114	1	12/07/2017 06:05	WG1050481
Carbon disulfide	U		0.000253	0.00114	1	12/07/2017 06:05	WG1050481
Carbon tetrachloride	U		0.000375	0.00114	1	12/07/2017 06:05	WG1050481
Chlorobenzene	U		0.000242	0.00114	1	12/07/2017 06:05	WG1050481
Chlorodibromomethane	U		0.000426	0.00114	1	12/07/2017 06:05	WG1050481
Chloroethane	U		0.00108	0.00572	1	12/07/2017 06:05	WG1050481
Chloroform	U		0.000262	0.00572	1	12/07/2017 06:05	WG1050481
Chloromethane	U		0.000429	0.00286	1	12/07/2017 06:05	WG1050481
2-Chlorotoluene	U		0.000344	0.00114	1	12/07/2017 06:05	WG1050481
4-Chlorotoluene	U		0.000274	0.00114	1	12/07/2017 06:05	WG1050481
1,2-Dibromo-3-Chloropropane	U		0.00120	0.00572	1	12/07/2017 06:05	WG1050481
1,2-Dibromoethane	U		0.000392	0.00114	1	12/07/2017 06:05	WG1050481
Dibromomethane	U		0.000437	0.00114	1	12/07/2017 06:05	WG1050481
1,2-Dichlorobenzene	U		0.000349	0.00114	1	12/07/2017 06:05	WG1050481
1,3-Dichlorobenzene	U		0.000273	0.00114	1	12/07/2017 06:05	WG1050481
1,4-Dichlorobenzene	U		0.000258	0.00114	1	12/07/2017 06:05	WG1050481
Dichlorodifluoromethane	U		0.000815	0.00572	1	12/07/2017 06:05	WG1050481
1,1-Dichloroethane	U		0.000228	0.00114	1	12/07/2017 06:05	WG1050481
1,2-Dichloroethane	U		0.000303	0.00114	1	12/07/2017 06:05	WG1050481
1,1-Dichloroethene	U		0.000346	0.00114	1	12/07/2017 06:05	WG1050481
cis-1,2-Dichloroethene	0.00139		0.000269	0.00114	1	12/10/2017 17:44	WG1050481
trans-1,2-Dichloroethene	U		0.000302	0.00114	1	12/07/2017 06:05	WG1050481
1,2-Dichloropropane	U		0.000409	0.00114	1	12/07/2017 06:05	WG1050481
1,1-Dichloropropene	U		0.000362	0.00114	1	12/07/2017 06:05	WG1050481
1,3-Dichloropropane	U		0.000237	0.00114	1	12/07/2017 06:05	WG1050481
cis-1,3-Dichloropropene	U		0.000300	0.00114	1	12/07/2017 06:05	WG1050481
trans-1,3-Dichloropropene	U		0.000305	0.00114	1	12/07/2017 06:05	WG1050481
trans-1,4-Dichloro-2-butene	U	J0	0.000889	0.00286	1	12/07/2017 06:05	WG1050481
2,2-Dichloropropane	U		0.000319	0.00114	1	12/07/2017 06:05	WG1050481
Di-isopropyl ether	U		0.000284	0.00114	1	12/07/2017 06:05	WG1050481
Ethylbenzene	U		0.000340	0.00114	1	12/07/2017 06:05	WG1050481
Hexachloro-1,3-butadiene	U		0.000391	0.00114	1	12/07/2017 06:05	WG1050481
2-Hexanone	U		0.00157	0.0114	1	12/07/2017 06:05	WG1050481
n-Hexane	U		0.000332	0.0114	1	12/07/2017 06:05	WG1050481
Iodomethane	U		0.00289	0.0114	1	12/07/2017 06:05	WG1050481
Isopropylbenzene	U		0.000278	0.00114	1	12/07/2017 06:05	WG1050481
p-Isopropyltoluene	U		0.000233	0.00114	1	12/07/2017 06:05	WG1050481
2-Butanone (MEK)	U	J3	0.00535	0.0114	1	12/07/2017 06:05	WG1050481
Methylene Chloride	U		0.00114	0.00572	1	12/07/2017 06:05	WG1050481
4-Methyl-2-pentanone (MIBK)	U		0.00215	0.0114	1	12/07/2017 06:05	WG1050481

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000242	0.00114	1	12/07/2017 06:05	WG1050481
Naphthalene	U	J0	0.00114	0.00572	1	12/07/2017 06:05	WG1050481
n-Propylbenzene	U		0.000236	0.00114	1	12/07/2017 06:05	WG1050481
Styrene	U		0.000268	0.00114	1	12/07/2017 06:05	WG1050481
1,1,1,2-Tetrachloroethane	U		0.000302	0.00114	1	12/07/2017 06:05	WG1050481
1,1,2,2-Tetrachloroethane	U	J0	0.000417	0.00114	1	12/07/2017 06:05	WG1050481
1,1,2-Trichlorotrifluoroethane	U		0.000417	0.00114	1	12/07/2017 06:05	WG1050481
Tetrachloroethene	0.0460		0.000316	0.00114	1	12/10/2017 17:44	WG1050481
Toluene	U		0.000496	0.00572	1	12/07/2017 06:05	WG1050481
1,2,3-Trichlorobenzene	U		0.000350	0.00114	1	12/07/2017 06:05	WG1050481
1,2,4-Trichlorobenzene	U		0.000444	0.00114	1	12/07/2017 06:05	WG1050481
1,1,1-Trichloroethane	U		0.000327	0.00114	1	12/07/2017 06:05	WG1050481
1,1,2-Trichloroethane	U		0.000317	0.00114	1	12/07/2017 06:05	WG1050481
Trichloroethene	0.00164		0.000319	0.00114	1	12/10/2017 17:44	WG1050481
Trichlorofluoromethane	U		0.000437	0.00572	1	12/07/2017 06:05	WG1050481
1,2,3-Trichloropropane	U	J0	0.000847	0.00286	1	12/07/2017 06:05	WG1050481
1,2,4-Trimethylbenzene	U		0.000241	0.00114	1	12/07/2017 06:05	WG1050481
1,2,3-Trimethylbenzene	U		0.000328	0.00114	1	12/07/2017 06:05	WG1050481
1,3,5-Trimethylbenzene	U		0.000304	0.00114	1	12/07/2017 06:05	WG1050481
Vinyl acetate	U	J0 J3	0.00273	0.0114	1	12/07/2017 06:05	WG1050481
Vinyl chloride	U		0.000333	0.00114	1	12/07/2017 06:05	WG1050481
Xylenes, Total	U		0.000798	0.00343	1	12/07/2017 06:05	WG1050481
(S) Toluene-d8	*95.6*			*80.0-120*		*12/10/2017 17:44*	WG1050481
(S) Toluene-d8	*91.5*			*80.0-120*		*12/07/2017 06:05*	WG1050481
(S) Dibromofluoromethane	*116*			*74.0-131*		*12/10/2017 17:44*	WG1050481
(S) Dibromofluoromethane	*108*			*74.0-131*		*12/07/2017 06:05*	WG1050481
(S) 4-Bromofluorobenzene	*98.2*			*64.0-132*		*12/07/2017 06:05*	WG1050481
(S) 4-Bromofluorobenzene	*101*			*64.0-132*		*12/10/2017 17:44*	WG1050481

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

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	90.0		1	12/11/2017 15:49	WG1051550

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0181	0.0906	1.63	12/07/2017 06:26	WG1050481
Acrylonitrile	U		0.00325	0.0181	1.63	12/07/2017 06:26	WG1050481
Benzene	U		0.000489	0.00181	1.63	12/07/2017 06:26	WG1050481
Bromobenzene	U		0.000515	0.00181	1.63	12/07/2017 06:26	WG1050481
Bromodichloromethane	U		0.000460	0.00181	1.63	12/07/2017 06:26	WG1050481
Bromochloromethane	U		0.000707	0.00906	1.63	12/07/2017 06:26	WG1050481
Bromoform	U		0.000768	0.00181	1.63	12/07/2017 06:26	WG1050481
Bromomethane	U		0.00242	0.00906	1.63	12/07/2017 06:26	WG1050481
n-Butylbenzene	U		0.000467	0.00181	1.63	12/07/2017 06:26	WG1050481
sec-Butylbenzene	U		0.000365	0.00181	1.63	12/07/2017 06:26	WG1050481
tert-Butylbenzene	U		0.000373	0.00181	1.63	12/07/2017 06:26	WG1050481
Carbon disulfide	U		0.000400	0.00181	1.63	12/07/2017 06:26	WG1050481
Carbon tetrachloride	U		0.000595	0.00181	1.63	12/07/2017 06:26	WG1050481
Chlorobenzene	U		0.000385	0.00181	1.63	12/07/2017 06:26	WG1050481
Chlorodibromomethane	U		0.000676	0.00181	1.63	12/07/2017 06:26	WG1050481
Chloroethane	U		0.00171	0.00906	1.63	12/07/2017 06:26	WG1050481
Chloroform	U		0.000415	0.00906	1.63	12/07/2017 06:26	WG1050481
Chloromethane	U		0.000679	0.00453	1.63	12/07/2017 06:26	WG1050481
2-Chlorotoluene	U		0.000546	0.00181	1.63	12/07/2017 06:26	WG1050481
4-Chlorotoluene	U		0.000435	0.00181	1.63	12/07/2017 06:26	WG1050481
1,2-Dibromo-3-Chloropropane	U		0.00190	0.00906	1.63	12/07/2017 06:26	WG1050481
1,2-Dibromoethane	U		0.000621	0.00181	1.63	12/07/2017 06:26	WG1050481
Dibromomethane	U		0.000692	0.00181	1.63	12/07/2017 06:26	WG1050481
1,2-Dichlorobenzene	U		0.000552	0.00181	1.63	12/07/2017 06:26	WG1050481
1,3-Dichlorobenzene	U		0.000433	0.00181	1.63	12/07/2017 06:26	WG1050481
1,4-Dichlorobenzene	U		0.000409	0.00181	1.63	12/07/2017 06:26	WG1050481
Dichlorodifluoromethane	U		0.00129	0.00906	1.63	12/07/2017 06:26	WG1050481
1,1-Dichloroethane	U		0.000360	0.00181	1.63	12/07/2017 06:26	WG1050481
1,2-Dichloroethane	U		0.000480	0.00181	1.63	12/07/2017 06:26	WG1050481
1,1-Dichloroethene	U		0.000549	0.00181	1.63	12/07/2017 06:26	WG1050481
cis-1,2-Dichloroethene	U		0.000261	0.00111	1	12/10/2017 18:04	WG1050481
trans-1,2-Dichloroethene	U		0.000478	0.00181	1.63	12/07/2017 06:26	WG1050481
1,2-Dichloropropane	U		0.000649	0.00181	1.63	12/07/2017 06:26	WG1050481
1,1-Dichloropropene	U		0.000575	0.00181	1.63	12/07/2017 06:26	WG1050481
1,3-Dichloropropane	U		0.000375	0.00181	1.63	12/07/2017 06:26	WG1050481
cis-1,3-Dichloropropene	U		0.000475	0.00181	1.63	12/07/2017 06:26	WG1050481
trans-1,3-Dichloropropene	U		0.000484	0.00181	1.63	12/07/2017 06:26	WG1050481
trans-1,4-Dichloro-2-butene	U	J0	0.00141	0.00453	1.63	12/07/2017 06:26	WG1050481
2,2-Dichloropropane	U		0.000506	0.00181	1.63	12/07/2017 06:26	WG1050481
Di-isopropyl ether	U		0.000449	0.00181	1.63	12/07/2017 06:26	WG1050481
Ethylbenzene	U		0.000538	0.00181	1.63	12/07/2017 06:26	WG1050481
Hexachloro-1,3-butadiene	U		0.000619	0.00181	1.63	12/07/2017 06:26	WG1050481
2-Hexanone	U		0.00248	0.0181	1.63	12/07/2017 06:26	WG1050481
n-Hexane	U		0.000526	0.0181	1.63	12/07/2017 06:26	WG1050481
Iodomethane	U		0.00458	0.0181	1.63	12/07/2017 06:26	WG1050481
Isopropylbenzene	U		0.000440	0.00181	1.63	12/07/2017 06:26	WG1050481
p-Isopropyltoluene	U		0.000369	0.00181	1.63	12/07/2017 06:26	WG1050481
2-Butanone (MEK)	U	J3	0.00848	0.0181	1.63	12/07/2017 06:26	WG1050481
Methylene Chloride	U		0.00181	0.00906	1.63	12/07/2017 06:26	WG1050481
4-Methyl-2-pentanone (MIBK)	U		0.00340	0.0181	1.63	12/07/2017 06:26	WG1050481

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000385	0.00181	1.63	12/07/2017 06:26	WG1050481
Naphthalene	U	J0	0.00181	0.00906	1.63	12/07/2017 06:26	WG1050481
n-Propylbenzene	U		0.000373	0.00181	1.63	12/07/2017 06:26	WG1050481
Styrene	U		0.000423	0.00181	1.63	12/07/2017 06:26	WG1050481
1,1,1,2-Tetrachloroethane	U		0.000478	0.00181	1.63	12/07/2017 06:26	WG1050481
1,1,2,2-Tetrachloroethane	U	J0	0.000661	0.00181	1.63	12/07/2017 06:26	WG1050481
1,1,2-Trichlorotrifluoroethane	U		0.000661	0.00181	1.63	12/07/2017 06:26	WG1050481
Tetrachloroethene	0.00968		0.000307	0.00111	1	12/10/2017 18:04	WG1050481
Toluene	U		0.000786	0.00906	1.63	12/07/2017 06:26	WG1050481
1,2,3-Trichlorobenzene	U		0.000555	0.00181	1.63	12/07/2017 06:26	WG1050481
1,2,4-Trichlorobenzene	U		0.000702	0.00181	1.63	12/07/2017 06:26	WG1050481
1,1,1-Trichloroethane	U		0.000518	0.00181	1.63	12/07/2017 06:26	WG1050481
1,1,2-Trichloroethane	U		0.000502	0.00181	1.63	12/07/2017 06:26	WG1050481
Trichloroethene	U		0.000310	0.00111	1	12/10/2017 18:04	WG1050481
Trichlorofluoromethane	U		0.000692	0.00906	1.63	12/07/2017 06:26	WG1050481
1,2,3-Trichloropropane	U	J0	0.00134	0.00453	1.63	12/07/2017 06:26	WG1050481
1,2,4-Trimethylbenzene	U		0.000382	0.00181	1.63	12/07/2017 06:26	WG1050481
1,2,3-Trimethylbenzene	U		0.000520	0.00181	1.63	12/07/2017 06:26	WG1050481
1,3,5-Trimethylbenzene	U		0.000482	0.00181	1.63	12/07/2017 06:26	WG1050481
Vinyl acetate	U	J0 J3	0.00433	0.0181	1.63	12/07/2017 06:26	WG1050481
Vinyl chloride	U		0.000527	0.00181	1.63	12/07/2017 06:26	WG1050481
Xylenes, Total	U		0.00127	0.00544	1.63	12/07/2017 06:26	WG1050481
(S) Toluene-d8	*93.8*			*80.0-120*		*12/10/2017 18:04*	WG1050481
(S) Toluene-d8	*88.6*			*80.0-120*		*12/07/2017 06:26*	WG1050481
(S) Dibromofluoromethane	*116*			*74.0-131*		*12/10/2017 18:04*	WG1050481
(S) Dibromofluoromethane	*111*			*74.0-131*		*12/07/2017 06:26*	WG1050481
(S) 4-Bromofluorobenzene	*102*			*64.0-132*		*12/10/2017 18:04*	WG1050481
(S) 4-Bromofluorobenzene	*100*			*64.0-132*		*12/07/2017 06:26*	WG1050481

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

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	90.4		1	12/11/2017 15:49	WG1051550

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0111	0.0553	1	12/07/2017 06:47	WG1050481
Acrylonitrile	U		0.00198	0.0111	1	12/07/2017 06:47	WG1050481
Benzene	U		0.000299	0.00111	1	12/07/2017 06:47	WG1050481
Bromobenzene	U		0.000314	0.00111	1	12/07/2017 06:47	WG1050481
Bromodichloromethane	U		0.000281	0.00111	1	12/07/2017 06:47	WG1050481
Bromochloromethane	U		0.000432	0.00553	1	12/07/2017 06:47	WG1050481
Bromoform	U		0.000469	0.00111	1	12/07/2017 06:47	WG1050481
Bromomethane	U		0.00148	0.00553	1	12/07/2017 06:47	WG1050481
n-Butylbenzene	U		0.000285	0.00111	1	12/07/2017 06:47	WG1050481
sec-Butylbenzene	U		0.000222	0.00111	1	12/07/2017 06:47	WG1050481
tert-Butylbenzene	U		0.000228	0.00111	1	12/07/2017 06:47	WG1050481
Carbon disulfide	0.000767	J	0.000245	0.00111	1	12/07/2017 06:47	WG1050481
Carbon tetrachloride	U		0.000363	0.00111	1	12/07/2017 06:47	WG1050481
Chlorobenzene	U		0.000235	0.00111	1	12/07/2017 06:47	WG1050481
Chlorodibromomethane	U		0.000413	0.00111	1	12/07/2017 06:47	WG1050481
Chloroethane	U		0.00105	0.00553	1	12/07/2017 06:47	WG1050481
Chloroform	U		0.000253	0.00553	1	12/07/2017 06:47	WG1050481
Chloromethane	U		0.000415	0.00277	1	12/07/2017 06:47	WG1050481
2-Chlorotoluene	U		0.000333	0.00111	1	12/07/2017 06:47	WG1050481
4-Chlorotoluene	U		0.000266	0.00111	1	12/07/2017 06:47	WG1050481
1,2-Dibromo-3-Chloropropane	U		0.00116	0.00553	1	12/07/2017 06:47	WG1050481
1,2-Dibromoethane	U		0.000380	0.00111	1	12/07/2017 06:47	WG1050481
Dibromomethane	U		0.000423	0.00111	1	12/07/2017 06:47	WG1050481
1,2-Dichlorobenzene	U		0.000337	0.00111	1	12/07/2017 06:47	WG1050481
1,3-Dichlorobenzene	U		0.000264	0.00111	1	12/07/2017 06:47	WG1050481
1,4-Dichlorobenzene	U		0.000250	0.00111	1	12/07/2017 06:47	WG1050481
Dichlorodifluoromethane	U		0.000789	0.00553	1	12/07/2017 06:47	WG1050481
1,1-Dichloroethane	U		0.000220	0.00111	1	12/07/2017 06:47	WG1050481
1,2-Dichloroethane	U		0.000293	0.00111	1	12/07/2017 06:47	WG1050481
1,1-Dichloroethene	U		0.000335	0.00111	1	12/07/2017 06:47	WG1050481
cis-1,2-Dichloroethene	0.00621		0.000260	0.00111	1	12/07/2017 06:47	WG1050481
trans-1,2-Dichloroethene	U		0.000292	0.00111	1	12/07/2017 06:47	WG1050481
1,2-Dichloropropane	U		0.000396	0.00111	1	12/07/2017 06:47	WG1050481
1,1-Dichloropropene	U		0.000351	0.00111	1	12/07/2017 06:47	WG1050481
1,3-Dichloropropane	U		0.000229	0.00111	1	12/07/2017 06:47	WG1050481
cis-1,3-Dichloropropene	U		0.000290	0.00111	1	12/07/2017 06:47	WG1050481
trans-1,3-Dichloropropene	U		0.000295	0.00111	1	12/07/2017 06:47	WG1050481
trans-1,4-Dichloro-2-butene	U	J0	0.000861	0.00277	1	12/07/2017 06:47	WG1050481
2,2-Dichloropropane	U		0.000309	0.00111	1	12/07/2017 06:47	WG1050481
Di-isopropyl ether	U		0.000274	0.00111	1	12/07/2017 06:47	WG1050481
Ethylbenzene	U		0.000329	0.00111	1	12/07/2017 06:47	WG1050481
Hexachloro-1,3-butadiene	U		0.000378	0.00111	1	12/07/2017 06:47	WG1050481
2-Hexanone	U		0.00152	0.0111	1	12/07/2017 06:47	WG1050481
n-Hexane	0.000486	J	0.000321	0.0111	1	12/07/2017 06:47	WG1050481
Iodomethane	U		0.00280	0.0111	1	12/07/2017 06:47	WG1050481
Isopropylbenzene	U		0.000269	0.00111	1	12/07/2017 06:47	WG1050481
p-Isopropyltoluene	U		0.000226	0.00111	1	12/07/2017 06:47	WG1050481
2-Butanone (MEK)	U	J3	0.00518	0.0111	1	12/07/2017 06:47	WG1050481
Methylene Chloride	U		0.00111	0.00553	1	12/07/2017 06:47	WG1050481
4-Methyl-2-pentanone (MIBK)	U		0.00208	0.0111	1	12/07/2017 06:47	WG1050481

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000235	0.00111	1	12/07/2017 06:47	WG1050481
Naphthalene	U	J0	0.00111	0.00553	1	12/07/2017 06:47	WG1050481
n-Propylbenzene	U		0.000228	0.00111	1	12/07/2017 06:47	WG1050481
Styrene	U		0.000259	0.00111	1	12/07/2017 06:47	WG1050481
1,1,1,2-Tetrachloroethane	U		0.000292	0.00111	1	12/07/2017 06:47	WG1050481
1,1,2,2-Tetrachloroethane	U	J0	0.000404	0.00111	1	12/07/2017 06:47	WG1050481
1,1,2-Trichlorotrifluoroethane	U		0.000404	0.00111	1	12/07/2017 06:47	WG1050481
Tetrachloroethene	0.0440		0.000305	0.00111	1	12/07/2017 06:47	WG1050481
Toluene	U		0.000480	0.00553	1	12/07/2017 06:47	WG1050481
1,2,3-Trichlorobenzene	U		0.000339	0.00111	1	12/07/2017 06:47	WG1050481
1,2,4-Trichlorobenzene	U		0.000429	0.00111	1	12/07/2017 06:47	WG1050481
1,1,1-Trichloroethane	U		0.000316	0.00111	1	12/07/2017 06:47	WG1050481
1,1,2-Trichloroethane	U		0.000306	0.00111	1	12/07/2017 06:47	WG1050481
Trichloroethene	0.000826	J	0.000309	0.00111	1	12/07/2017 06:47	WG1050481
Trichlorofluoromethane	U		0.000423	0.00553	1	12/07/2017 06:47	WG1050481
1,2,3-Trichloropropane	U	J0	0.000820	0.00277	1	12/07/2017 06:47	WG1050481
1,2,4-Trimethylbenzene	U		0.000233	0.00111	1	12/07/2017 06:47	WG1050481
1,2,3-Trimethylbenzene	U		0.000318	0.00111	1	12/07/2017 06:47	WG1050481
1,3,5-Trimethylbenzene	U		0.000294	0.00111	1	12/07/2017 06:47	WG1050481
Vinyl acetate	U	J0 J3	0.00264	0.0111	1	12/07/2017 06:47	WG1050481
Vinyl chloride	0.00373		0.000322	0.00111	1	12/07/2017 06:47	WG1050481
Xylenes, Total	U		0.000772	0.00332	1	12/07/2017 06:47	WG1050481
(S) Toluene-d8	*90.1*			*80.0-120*		*12/07/2017 06:47*	WG1050481
(S) Dibromofluoromethane	*110*			*74.0-131*		*12/07/2017 06:47*	WG1050481
(S) 4-Bromofluorobenzene	*101*			*64.0-132*		*12/07/2017 06:47*	WG1050481

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

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	85.3		1	12/11/2017 15:49	WG1051550

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		11.7	58.6	1000	12/07/2017 07:08	WG1050481
Acrylonitrile	U		2.10	11.7	1000	12/07/2017 07:08	WG1050481
Benzene	U		0.317	1.17	1000	12/07/2017 07:08	WG1050481
Bromobenzene	U		0.333	1.17	1000	12/07/2017 07:08	WG1050481
Bromodichloromethane	U		0.298	1.17	1000	12/07/2017 07:08	WG1050481
Bromochloromethane	U		0.457	5.86	1000	12/07/2017 07:08	WG1050481
Bromoform	U		0.497	1.17	1000	12/07/2017 07:08	WG1050481
Bromomethane	U		1.57	5.86	1000	12/07/2017 07:08	WG1050481
n-Butylbenzene	U		0.303	1.17	1000	12/07/2017 07:08	WG1050481
sec-Butylbenzene	U		0.236	1.17	1000	12/07/2017 07:08	WG1050481
tert-Butylbenzene	U		0.242	1.17	1000	12/07/2017 07:08	WG1050481
Carbon disulfide	U		0.259	1.17	1000	12/07/2017 07:08	WG1050481
Carbon tetrachloride	U		0.385	1.17	1000	12/07/2017 07:08	WG1050481
Chlorobenzene	U		0.249	1.17	1000	12/07/2017 07:08	WG1050481
Chlorodibromomethane	U		0.437	1.17	1000	12/07/2017 07:08	WG1050481
Chloroethane	U		1.11	5.86	1000	12/07/2017 07:08	WG1050481
Chloroform	U		0.269	5.86	1000	12/07/2017 07:08	WG1050481
Chloromethane	U		0.440	2.93	1000	12/07/2017 07:08	WG1050481
2-Chlorotoluene	U		0.353	1.17	1000	12/07/2017 07:08	WG1050481
4-Chlorotoluene	U		0.281	1.17	1000	12/07/2017 07:08	WG1050481
1,2-Dibromo-3-Chloropropane	U		1.23	5.86	1000	12/07/2017 07:08	WG1050481
1,2-Dibromoethane	U		0.402	1.17	1000	12/07/2017 07:08	WG1050481
Dibromomethane	U		0.448	1.17	1000	12/07/2017 07:08	WG1050481
1,2-Dichlorobenzene	U		0.358	1.17	1000	12/07/2017 07:08	WG1050481
1,3-Dichlorobenzene	U		0.280	1.17	1000	12/07/2017 07:08	WG1050481
1,4-Dichlorobenzene	U		0.265	1.17	1000	12/07/2017 07:08	WG1050481
Dichlorodifluoromethane	U		0.836	5.86	1000	12/07/2017 07:08	WG1050481
1,1-Dichloroethane	U		0.233	1.17	1000	12/07/2017 07:08	WG1050481
1,2-Dichloroethane	U		0.311	1.17	1000	12/07/2017 07:08	WG1050481
1,1-Dichloroethene	U		0.355	1.17	1000	12/07/2017 07:08	WG1050481
cis-1,2-Dichloroethene	2.87		0.276	1.17	1000	12/07/2017 07:08	WG1050481
trans-1,2-Dichloroethene	U		0.310	1.17	1000	12/07/2017 07:08	WG1050481
1,2-Dichloropropane	U		0.420	1.17	1000	12/07/2017 07:08	WG1050481
1,1-Dichloropropene	U		0.372	1.17	1000	12/07/2017 07:08	WG1050481
1,3-Dichloropropane	U		0.243	1.17	1000	12/07/2017 07:08	WG1050481
cis-1,3-Dichloropropene	U		0.307	1.17	1000	12/07/2017 07:08	WG1050481
trans-1,3-Dichloropropene	U		0.313	1.17	1000	12/07/2017 07:08	WG1050481
trans-1,4-Dichloro-2-butene	U	J0	0.912	2.93	1000	12/07/2017 07:08	WG1050481
2,2-Dichloropropane	U		0.327	1.17	1000	12/07/2017 07:08	WG1050481
Di-isopropyl ether	U		0.291	1.17	1000	12/07/2017 07:08	WG1050481
Ethylbenzene	U		0.348	1.17	1000	12/07/2017 07:08	WG1050481
Hexachloro-1,3-butadiene	U		0.401	1.17	1000	12/07/2017 07:08	WG1050481
2-Hexanone	U		1.61	11.7	1000	12/07/2017 07:08	WG1050481
n-Hexane	U		0.340	11.7	1000	12/07/2017 07:08	WG1050481
Iodomethane	U		2.97	11.7	1000	12/07/2017 07:08	WG1050481
Isopropylbenzene	U		0.285	1.17	1000	12/07/2017 07:08	WG1050481
p-Isopropyltoluene	U		0.239	1.17	1000	12/07/2017 07:08	WG1050481
2-Butanone (MEK)	U	J3	5.49	11.7	1000	12/07/2017 07:08	WG1050481
Methylene Chloride	U		1.17	5.86	1000	12/07/2017 07:08	WG1050481
4-Methyl-2-pentanone (MIBK)	U		2.20	11.7	1000	12/07/2017 07:08	WG1050481

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.249	1.17	1000	12/07/2017 07:08	WG1050481
Naphthalene	U	J0	1.17	5.86	1000	12/07/2017 07:08	WG1050481
n-Propylbenzene	0.355	J	0.242	1.17	1000	12/07/2017 07:08	WG1050481
Styrene	U		0.274	1.17	1000	12/07/2017 07:08	WG1050481
1,1,1,2-Tetrachloroethane	U		0.310	1.17	1000	12/07/2017 07:08	WG1050481
1,1,2,2-Tetrachloroethane	U	J0	0.428	1.17	1000	12/07/2017 07:08	WG1050481
1,1,2-Trichlorotrifluoroethane	U		0.428	1.17	1000	12/07/2017 07:08	WG1050481
Tetrachloroethene	16400		162	586	500000	12/11/2017 06:53	WG1050481
Toluene	U		0.509	5.86	1000	12/07/2017 07:08	WG1050481
1,2,3-Trichlorobenzene	U		0.359	1.17	1000	12/07/2017 07:08	WG1050481
1,2,4-Trichlorobenzene	U		0.455	1.17	1000	12/07/2017 07:08	WG1050481
1,1,1-Trichloroethane	U		0.335	1.17	1000	12/07/2017 07:08	WG1050481
1,1,2-Trichloroethane	U		0.325	1.17	1000	12/07/2017 07:08	WG1050481
Trichloroethene	72.5		0.327	1.17	1000	12/07/2017 07:08	WG1050481
Trichlorofluoromethane	U		0.448	5.86	1000	12/07/2017 07:08	WG1050481
1,2,3-Trichloropropane	U	J0	0.869	2.93	1000	12/07/2017 07:08	WG1050481
1,2,4-Trimethylbenzene	2.33		0.247	1.17	1000	12/07/2017 07:08	WG1050481
1,2,3-Trimethylbenzene	0.728	J	0.337	1.17	1000	12/07/2017 07:08	WG1050481
1,3,5-Trimethylbenzene	0.745	J	0.312	1.17	1000	12/07/2017 07:08	WG1050481
Vinyl acetate	U	J0 J3	2.80	11.7	1000	12/07/2017 07:08	WG1050481
Vinyl chloride	0.407	J	0.341	1.17	1000	12/07/2017 07:08	WG1050481
Xylenes, Total	U		0.819	3.52	1000	12/07/2017 07:08	WG1050481
(S) Toluene-d8	*105*			*80.0-120*		*12/11/2017 06:53*	WG1050481
(S) Toluene-d8	*92.4*			*80.0-120*		*12/07/2017 07:08*	WG1050481
(S) Dibromofluoromethane	*91.6*			*74.0-131*		*12/11/2017 06:53*	WG1050481
(S) Dibromofluoromethane	*99.9*			*74.0-131*		*12/07/2017 07:08*	WG1050481
(S) 4-Bromofluorobenzene	*100*			*64.0-132*		*12/07/2017 07:08*	WG1050481
(S) 4-Bromofluorobenzene	*96.0*			*64.0-132*		*12/11/2017 06:53*	WG1050481

Sample Narrative:

L955420-16 WG1050481: Cannot be analyzed at a lower dilution due to high levels of target analytes.

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	90.4		1	12/11/2017 15:49	WG1051550

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		3.93	19.6	355	12/07/2017 07:29	WG1050481
Acrylonitrile	U		0.703	3.93	355	12/07/2017 07:29	WG1050481
Benzene	U		0.106	0.393	355	12/07/2017 07:29	WG1050481
Bromobenzene	U		0.112	0.393	355	12/07/2017 07:29	WG1050481
Bromodichloromethane	U		0.0998	0.393	355	12/07/2017 07:29	WG1050481
Bromochloromethane	U		0.153	1.96	355	12/07/2017 07:29	WG1050481
Bromoform	U		0.166	0.393	355	12/07/2017 07:29	WG1050481
Bromomethane	U		0.527	1.96	355	12/07/2017 07:29	WG1050481
n-Butylbenzene	U		0.101	0.393	355	12/07/2017 07:29	WG1050481
sec-Butylbenzene	U		0.0790	0.393	355	12/07/2017 07:29	WG1050481
tert-Butylbenzene	U		0.0809	0.393	355	12/07/2017 07:29	WG1050481
Carbon disulfide	U		0.0868	0.393	355	12/07/2017 07:29	WG1050481
Carbon tetrachloride	U		0.128	0.393	355	12/07/2017 07:29	WG1050481
Chlorobenzene	U		0.0833	0.393	355	12/07/2017 07:29	WG1050481
Chlorodibromomethane	U		0.146	0.393	355	12/07/2017 07:29	WG1050481
Chloroethane	U		0.372	1.96	355	12/07/2017 07:29	WG1050481
Chloroform	U		0.0900	1.96	355	12/07/2017 07:29	WG1050481
Chloromethane	U		0.147	0.982	355	12/07/2017 07:29	WG1050481
2-Chlorotoluene	U		0.118	0.393	355	12/07/2017 07:29	WG1050481
4-Chlorotoluene	U		0.0943	0.393	355	12/07/2017 07:29	WG1050481
1,2-Dibromo-3-Chloropropane	U		0.413	1.96	355	12/07/2017 07:29	WG1050481
1,2-Dibromoethane	U		0.135	0.393	355	12/07/2017 07:29	WG1050481
Dibromomethane	U		0.150	0.393	355	12/07/2017 07:29	WG1050481
1,2-Dichlorobenzene	U		0.120	0.393	355	12/07/2017 07:29	WG1050481
1,3-Dichlorobenzene	U		0.0938	0.393	355	12/07/2017 07:29	WG1050481
1,4-Dichlorobenzene	U		0.0887	0.393	355	12/07/2017 07:29	WG1050481
Dichlorodifluoromethane	U		0.280	1.96	355	12/07/2017 07:29	WG1050481
1,1-Dichloroethane	U		0.0781	0.393	355	12/07/2017 07:29	WG1050481
1,2-Dichloroethane	U		0.104	0.393	355	12/07/2017 07:29	WG1050481
1,1-Dichloroethene	U		0.120	0.393	355	12/07/2017 07:29	WG1050481
cis-1,2-Dichloroethene	0.969		0.0923	0.393	355	12/07/2017 07:29	WG1050481
trans-1,2-Dichloroethene	U		0.104	0.393	355	12/07/2017 07:29	WG1050481
1,2-Dichloropropane	U		0.141	0.393	355	12/07/2017 07:29	WG1050481
1,1-Dichloropropene	U		0.124	0.393	355	12/07/2017 07:29	WG1050481
1,3-Dichloropropane	U		0.0813	0.393	355	12/07/2017 07:29	WG1050481
cis-1,3-Dichloropropene	U		0.103	0.393	355	12/07/2017 07:29	WG1050481
trans-1,3-Dichloropropene	U		0.105	0.393	355	12/07/2017 07:29	WG1050481
trans-1,4-Dichloro-2-butene	U	J0	0.305	0.982	355	12/07/2017 07:29	WG1050481
2,2-Dichloropropane	U		0.110	0.393	355	12/07/2017 07:29	WG1050481
Di-isopropyl ether	U		0.0974	0.393	355	12/07/2017 07:29	WG1050481
Ethylbenzene	U		0.116	0.393	355	12/07/2017 07:29	WG1050481
Hexachloro-1,3-butadiene	U		0.134	0.393	355	12/07/2017 07:29	WG1050481
2-Hexanone	U		0.538	3.93	355	12/07/2017 07:29	WG1050481
n-Hexane	U		0.114	3.93	355	12/07/2017 07:29	WG1050481
Iodomethane	U		0.994	3.93	355	12/07/2017 07:29	WG1050481
Isopropylbenzene	U		0.0955	0.393	355	12/07/2017 07:29	WG1050481
p-Isopropyltoluene	U		0.0801	0.393	355	12/07/2017 07:29	WG1050481
2-Butanone (MEK)	U		1.84	3.93	355	12/07/2017 07:29	WG1050481
Methylene Chloride	U		0.393	1.96	355	12/07/2017 07:29	WG1050481
4-Methyl-2-pentanone (MIBK)	U		0.738	3.93	355	12/07/2017 07:29	WG1050481

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.0833	0.393	355	12/07/2017 07:29	WG1050481
Naphthalene	U	J0	0.393	1.96	355	12/07/2017 07:29	WG1050481
n-Propylbenzene	U		0.0809	0.393	355	12/07/2017 07:29	WG1050481
Styrene	U		0.0920	0.393	355	12/07/2017 07:29	WG1050481
1,1,1,2-Tetrachloroethane	U		0.104	0.393	355	12/07/2017 07:29	WG1050481
1,1,2,2-Tetrachloroethane	U	J0	0.144	0.393	355	12/07/2017 07:29	WG1050481
1,1,2-Trichlorotrifluoroethane	U		0.144	0.393	355	12/07/2017 07:29	WG1050481
Tetrachloroethene	31.0		0.108	0.393	355	12/07/2017 07:29	WG1050481
Toluene	U		0.170	1.96	355	12/07/2017 07:29	WG1050481
1,2,3-Trichlorobenzene	U		0.121	0.393	355	12/07/2017 07:29	WG1050481
1,2,4-Trichlorobenzene	U		0.153	0.393	355	12/07/2017 07:29	WG1050481
1,1,1-Trichloroethane	U		0.113	0.393	355	12/07/2017 07:29	WG1050481
1,1,2-Trichloroethane	U		0.109	0.393	355	12/07/2017 07:29	WG1050481
Trichloroethene	0.335	J	0.110	0.393	355	12/07/2017 07:29	WG1050481
Trichlorofluoromethane	U		0.150	1.96	355	12/07/2017 07:29	WG1050481
1,2,3-Trichloropropane	U	J0	0.291	0.982	355	12/07/2017 07:29	WG1050481
1,2,4-Trimethylbenzene	U		0.0829	0.393	355	12/07/2017 07:29	WG1050481
1,2,3-Trimethylbenzene	U		0.113	0.393	355	12/07/2017 07:29	WG1050481
1,3,5-Trimethylbenzene	U		0.104	0.393	355	12/07/2017 07:29	WG1050481
Vinyl acetate	U	J0	0.938	3.93	355	12/07/2017 07:29	WG1050481
Vinyl chloride	U		0.114	0.393	355	12/07/2017 07:29	WG1050481
Xylenes, Total	U		0.274	1.18	355	12/07/2017 07:29	WG1050481
(S) Toluene-d8	*100*			*80.0-120*		*12/07/2017 07:29*	WG1050481
(S) Dibromofluoromethane	*102*			*74.0-131*		*12/07/2017 07:29*	WG1050481
(S) 4-Bromofluorobenzene	*99.1*			*64.0-132*		*12/07/2017 07:29*	WG1050481

Sample Narrative:

L955420-17 WG1050481: Cannot be analyzed at a lower dilution due to high levels of target analytes.

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

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	ug/l		ug/l	ug/l		date / time	
Acetone	2.36	J J0 J4	1.05	25.0	1	12/07/2017 12:44	WG1050647
Acrylonitrile	U		0.873	5.00	1	12/07/2017 12:44	WG1050647
Benzene	U		0.0896	0.500	1	12/07/2017 12:44	WG1050647
Bromobenzene	U		0.133	0.500	1	12/07/2017 12:44	WG1050647
Bromodichloromethane	U		0.0800	0.500	1	12/07/2017 12:44	WG1050647
Bromochloromethane	U		0.145	0.500	1	12/07/2017 12:44	WG1050647
Bromoform	U		0.186	0.500	1	12/07/2017 12:44	WG1050647
Bromomethane	U		0.157	2.50	1	12/07/2017 12:44	WG1050647
n-Butylbenzene	U		0.143	0.500	1	12/07/2017 12:44	WG1050647
sec-Butylbenzene	U		0.134	0.500	1	12/07/2017 12:44	WG1050647
tert-Butylbenzene	U		0.183	0.500	1	12/07/2017 12:44	WG1050647
Carbon disulfide	U		0.101	0.500	1	12/07/2017 12:44	WG1050647
Carbon tetrachloride	U		0.159	0.500	1	12/07/2017 12:44	WG1050647
Chlorobenzene	U		0.140	0.500	1	12/07/2017 12:44	WG1050647
Chlorodibromomethane	U		0.128	0.500	1	12/07/2017 12:44	WG1050647
Chloroethane	U		0.141	2.50	1	12/07/2017 12:44	WG1050647
Chloroform	U		0.0860	0.500	1	12/07/2017 12:44	WG1050647
Chloromethane	U		0.153	1.25	1	12/07/2017 12:44	WG1050647
2-Chlorotoluene	U		0.111	0.500	1	12/07/2017 12:44	WG1050647
4-Chlorotoluene	U		0.0972	0.500	1	12/07/2017 12:44	WG1050647
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	12/07/2017 12:44	WG1050647
1,2-Dibromoethane	U		0.193	0.500	1	12/07/2017 12:44	WG1050647
Dibromomethane	U		0.117	0.500	1	12/07/2017 12:44	WG1050647
1,2-Dichlorobenzene	U		0.101	0.500	1	12/07/2017 12:44	WG1050647
1,3-Dichlorobenzene	U		0.130	0.500	1	12/07/2017 12:44	WG1050647
1,4-Dichlorobenzene	U		0.121	0.500	1	12/07/2017 12:44	WG1050647
Dichlorodifluoromethane	U		0.127	2.50	1	12/07/2017 12:44	WG1050647
1,1-Dichloroethane	U		0.114	0.500	1	12/07/2017 12:44	WG1050647
1,2-Dichloroethane	U		0.108	0.500	1	12/07/2017 12:44	WG1050647
1,1-Dichloroethene	U		0.188	0.500	1	12/07/2017 12:44	WG1050647
cis-1,2-Dichloroethene	U		0.0933	0.500	1	12/07/2017 12:44	WG1050647
trans-1,2-Dichloroethene	U		0.152	0.500	1	12/07/2017 12:44	WG1050647
1,2-Dichloropropane	U		0.190	0.500	1	12/07/2017 12:44	WG1050647
1,1-Dichloropropene	U		0.128	0.500	1	12/07/2017 12:44	WG1050647
1,3-Dichloropropane	U		0.147	1.00	1	12/07/2017 12:44	WG1050647
cis-1,3-Dichloropropene	U		0.0976	0.500	1	12/07/2017 12:44	WG1050647
trans-1,3-Dichloropropene	U		0.222	0.500	1	12/07/2017 12:44	WG1050647
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	12/07/2017 12:44	WG1050647
2,2-Dichloropropane	U		0.0929	0.500	1	12/07/2017 12:44	WG1050647
Di-isopropyl ether	U		0.0924	0.500	1	12/07/2017 12:44	WG1050647
Ethylbenzene	U		0.158	0.500	1	12/07/2017 12:44	WG1050647
Hexachloro-1,3-butadiene	U		0.157	1.00	1	12/07/2017 12:44	WG1050647
2-Hexanone	U		0.757	5.00	1	12/07/2017 12:44	WG1050647
n-Hexane	U		0.305	5.00	1	12/07/2017 12:44	WG1050647
Iodomethane	U		0.377	10.0	1	12/07/2017 12:44	WG1050647
Isopropylbenzene	U		0.126	0.500	1	12/07/2017 12:44	WG1050647
p-Isopropyltoluene	U		0.138	0.500	1	12/07/2017 12:44	WG1050647
2-Butanone (MEK)	U		1.28	5.00	1	12/07/2017 12:44	WG1050647
Methylene Chloride	U		1.07	2.50	1	12/07/2017 12:44	WG1050647
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	12/07/2017 12:44	WG1050647
Methyl tert-butyl ether	U		0.102	0.500	1	12/07/2017 12:44	WG1050647
Naphthalene	U		0.174	2.50	1	12/07/2017 12:44	WG1050647
n-Propylbenzene	U		0.162	0.500	1	12/07/2017 12:44	WG1050647
Styrene	U		0.117	0.500	1	12/07/2017 12:44	WG1050647
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	12/07/2017 12:44	WG1050647
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	12/07/2017 12:44	WG1050647

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	12/07/2017 12:44	WG1050647
Tetrachloroethene	U		0.199	0.500	1	12/07/2017 12:44	WG1050647
Toluene	U		0.412	0.500	1	12/07/2017 12:44	WG1050647
1,2,3-Trichlorobenzene	U		0.164	0.500	1	12/07/2017 12:44	WG1050647
1,2,4-Trichlorobenzene	U		0.355	0.500	1	12/07/2017 12:44	WG1050647
1,1,1-Trichloroethane	U		0.0940	0.500	1	12/07/2017 12:44	WG1050647
1,1,2-Trichloroethane	U		0.186	0.500	1	12/07/2017 12:44	WG1050647
Trichloroethene	U		0.153	0.500	1	12/07/2017 12:44	WG1050647
Trichlorofluoromethane	U		0.130	2.50	1	12/07/2017 12:44	WG1050647
1,2,3-Trichloropropane	U		0.247	2.50	1	12/07/2017 12:44	WG1050647
1,2,4-Trimethylbenzene	U		0.123	0.500	1	12/07/2017 12:44	WG1050647
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	12/07/2017 12:44	WG1050647
1,3,5-Trimethylbenzene	U		0.124	0.500	1	12/07/2017 12:44	WG1050647
Vinyl acetate	U	J4	0.645	5.00	1	12/07/2017 12:44	WG1050647
Vinyl chloride	U		0.118	0.500	1	12/07/2017 12:44	WG1050647
Xylenes, Total	U		0.316	1.50	1	12/07/2017 12:44	WG1050647
(S) Toluene-d8	*104*			*80.0-120*		*12/07/2017 12:44*	WG1050647
(S) Dibromofluoromethane	*98.0*			*76.0-123*		*12/07/2017 12:44*	WG1050647
(S) 4-Bromofluorobenzene	*97.1*			*80.0-120*		*12/07/2017 12:44*	WG1050647

WG1051549

Total Solids by Method 2540 G-2011

L955420-01,02,03,04,05,06,07,08,09

Method Blank (MB)

(MB) R3271937-1 12/09/17 11:27

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.001			

L955418-05 Original Sample (OS) • Duplicate (DUP)

(OS) L955418-05 12/09/17 11:27 • (DUP) R3271937-3 12/09/17 11:27

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	83.5	82.9	1	1		5

Laboratory Control Sample (LCS)

(LCS) R3271937-2 12/09/17 11:27

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	85-115	

Method Blank (MB)

(MB) R3272131-1 12/11/17 15:49

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0			

L955420-13 Original Sample (OS) • Duplicate (DUP)

(OS) L955420-13 12/11/17 15:49 • (DUP) R3272131-3 12/11/17 15:49

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	87.5	89.8	1	3		5

Laboratory Control Sample (LCS)

(LCS) R3272131-2 12/11/17 15:49

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	85-115	

Method Blank (MB)

(MB) R3271760-3 12/06/17 23:19

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acetone	U		0.0100	0.0500
Acrylonitrile	U		0.00179	0.0100
Benzene	U		0.000270	0.00100
Bromobenzene	U		0.000284	0.00100
Bromodichloromethane	U		0.000254	0.00100
Bromochloromethane	U		0.000390	0.00500
Bromoform	U		0.000424	0.00100
Bromomethane	U		0.00134	0.00500
n-Butylbenzene	U		0.000258	0.00100
sec-Butylbenzene	U		0.000201	0.00100
tert-Butylbenzene	U		0.000206	0.00100
Carbon disulfide	U		0.000221	0.00100
Carbon tetrachloride	U		0.000328	0.00100
Chlorobenzene	U		0.000212	0.00100
Chlorodibromomethane	U		0.000373	0.00100
Chloroethane	U		0.000946	0.00500
Chloroform	U		0.000229	0.00500
Chloromethane	U		0.000375	0.00250
2-Chlorotoluene	U		0.000301	0.00100
4-Chlorotoluene	U		0.000240	0.00100
1,2-Dibromo-3-Chloropropane	U		0.00105	0.00500
1,2-Dibromoethane	U		0.000343	0.00100
Dibromomethane	U		0.000382	0.00100
1,2-Dichlorobenzene	U		0.000305	0.00100
1,3-Dichlorobenzene	U		0.000239	0.00100
1,4-Dichlorobenzene	U		0.000226	0.00100
trans-1,4-Dichloro-2-butene	U		0.000778	0.00250
Dichlorodifluoromethane	U		0.000713	0.00500
1,1-Dichloroethane	U		0.000199	0.00100
1,2-Dichloroethane	U		0.000265	0.00100
1,1-Dichloroethene	U		0.000303	0.00100
cis-1,2-Dichloroethene	U		0.000235	0.00100
trans-1,2-Dichloroethene	U		0.000264	0.00100
1,2-Dichloropropane	U		0.000358	0.00100
1,1-Dichloropropene	U		0.000317	0.00100
1,3-Dichloropropane	U		0.000207	0.00100
cis-1,3-Dichloropropene	U		0.000262	0.00100
trans-1,3-Dichloropropene	U		0.000267	0.00100
2,2-Dichloropropane	U		0.000279	0.00100
Di-isopropyl ether	U		0.000248	0.00100

Method Blank (MB)

(MB) R3271760-3 12/06/17 23:19

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Ethylbenzene	U		0.000297	0.00100
2-Hexanone	U		0.00137	0.0100
n-Hexane	U		0.000290	0.0100
Hexachloro-1,3-butadiene	U		0.000342	0.00100
Iodomethane	U		0.00253	0.0100
Isopropylbenzene	U		0.000243	0.00100
p-Isopropyltoluene	U		0.000204	0.00100
2-Butanone (MEK)	U		0.00468	0.0100
Methylene Chloride	U		0.00100	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.00188	0.0100
Methyl tert-butyl ether	U		0.000212	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.000206	0.00100
Styrene	U		0.000234	0.00100
1,1,1,2-Tetrachloroethane	U		0.000264	0.00100
1,1,2,2-Tetrachloroethane	U		0.000365	0.00100
Tetrachloroethene	U		0.000276	0.00100
Toluene	U		0.000434	0.00500
1,1,2-Trichlorotrifluoroethane	U		0.000365	0.00100
1,2,3-Trichlorobenzene	U		0.000306	0.00100
1,2,4-Trichlorobenzene	U		0.000388	0.00100
1,1,1-Trichloroethane	U		0.000286	0.00100
1,1,2-Trichloroethane	U		0.000277	0.00100
Trichloroethene	U		0.000279	0.00100
Trichlorofluoromethane	U		0.000382	0.00500
Vinyl acetate	U		0.00239	0.0100
1,2,3-Trichloropropane	U		0.000741	0.00250
1,2,3-Trimethylbenzene	U		0.000287	0.00100
1,2,4-Trimethylbenzene	U		0.000211	0.00100
1,3,5-Trimethylbenzene	U		0.000266	0.00100
Vinyl chloride	U		0.000291	0.00100
Xylenes, Total	U		0.000698	0.00300
(S) Toluene-d8	*100*			*80.0-120*
(S) Dibromofluoromethane	*98.8*			*74.0-131*
(S) 4-Bromofluorobenzene	*98.0*			*64.0-132*

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

(LCS) R3271760-1 12/06/17 21:45 • (LCSD) R3271760-2 12/06/17 22:07

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.125	0.112	0.133	89.5	107	11.0-160			17.5	23
Acrylonitrile	0.125	0.111	0.133	88.7	106	61.0-143			17.8	20
Benzene	0.0250	0.0249	0.0252	99.5	101	71.0-124			1.35	20
Bromobenzene	0.0250	0.0229	0.0222	91.5	88.9	78.0-120			2.89	20
Bromodichloromethane	0.0250	0.0238	0.0244	95.1	97.6	75.0-120			2.53	20
Bromoform	0.0250	0.0214	0.0231	85.7	92.3	65.0-133			7.33	20
Bromochloromethane	0.0250	0.0247	0.0260	98.9	104	80.0-121			4.91	20
Bromomethane	0.0250	0.0318	0.0322	127	129	26.0-160			1.32	20
n-Butylbenzene	0.0250	0.0271	0.0257	108	103	73.0-126			5.20	20
sec-Butylbenzene	0.0250	0.0264	0.0252	105	101	75.0-121			4.38	20
tert-Butylbenzene	0.0250	0.0254	0.0242	102	96.9	74.0-122			4.71	20
Carbon tetrachloride	0.0250	0.0245	0.0250	97.9	99.9	66.0-123			2.03	20
Carbon disulfide	0.0250	0.0247	0.0251	99.0	100	53.0-130			1.21	20
Chlorobenzene	0.0250	0.0240	0.0234	96.2	93.5	79.0-121			2.76	20
Chlorodibromomethane	0.0250	0.0224	0.0230	89.4	91.8	74.0-128			2.63	20
Chloroethane	0.0250	0.0278	0.0282	111	113	51.0-147			1.54	20
Chloroform	0.0250	0.0254	0.0254	102	102	73.0-123			0.230	20
Chloromethane	0.0250	0.0267	0.0270	107	108	51.0-138			0.842	20
2-Chlorotoluene	0.0250	0.0243	0.0233	97.3	93.1	72.0-124			4.46	20
4-Chlorotoluene	0.0250	0.0240	0.0231	96.1	92.5	78.0-120			3.88	20
1,2-Dibromo-3-Chloropropane	0.0250	0.0203	0.0247	81.0	98.8	65.0-126			19.8	20
1,2-Dibromoethane	0.0250	0.0222	0.0237	88.9	94.8	78.0-122			6.40	20
Dibromomethane	0.0250	0.0233	0.0247	93.3	98.7	79.0-120			5.67	20
1,2-Dichlorobenzene	0.0250	0.0231	0.0231	92.5	92.2	80.0-120			0.320	20
1,3-Dichlorobenzene	0.0250	0.0236	0.0229	94.3	91.6	72.0-123			2.88	20
1,4-Dichlorobenzene	0.0250	0.0232	0.0226	92.6	90.5	77.0-120			2.30	20
Dichlorodifluoromethane	0.0250	0.0265	0.0277	106	111	49.0-155			4.53	20
trans-1,4-Dichloro-2-butene	0.0250	0.0199	0.0220	79.5	87.9	68.0-126			10.0	20
1,1-Dichloroethane	0.0250	0.0251	0.0255	100	102	70.0-128			1.71	20
1,2-Dichloroethane	0.0250	0.0245	0.0258	97.9	103	69.0-128			5.27	20
1,1-Dichloroethene	0.0250	0.0247	0.0246	98.6	98.4	63.0-131			0.275	20
cis-1,2-Dichloroethene	0.0250	0.0251	0.0248	100	99.2	74.0-123			0.984	20
trans-1,2-Dichloroethene	0.0250	0.0253	0.0257	101	103	72.0-122			1.51	20
1,2-Dichloropropane	0.0250	0.0236	0.0243	94.6	97.4	75.0-126			2.92	20
1,1-Dichloropropene	0.0250	0.0251	0.0251	101	100	72.0-130			0.363	20
1,3-Dichloropropane	0.0250	0.0222	0.0230	88.8	92.0	80.0-121			3.55	20
cis-1,3-Dichloropropene	0.0250	0.0231	0.0235	92.5	93.9	80.0-125			1.40	20
trans-1,3-Dichloropropene	0.0250	0.0230	0.0233	92.0	93.3	75.0-129			1.43	20
2,2-Dichloropropane	0.0250	0.0297	0.0308	119	123	60.0-129			3.73	20
Di-isopropyl ether	0.0250	0.0251	0.0262	100	105	62.0-133			4.29	20

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

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

(LCS) R3271760-1 12/06/17 21:45 • (LCSD) R3271760-2 12/06/17 22:07

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Ethylbenzene	0.0250	0.0248	0.0239	99.0	95.5	77.0-120			3.60	20
Hexachloro-1,3-butadiene	0.0250	0.0296	0.0283	118	113	68.0-128			4.37	20
2-Hexanone	0.125	0.109	0.133	87.4	107	61.0-143			19.9	20
Isopropylbenzene	0.0250	0.0247	0.0237	98.8	94.6	75.0-120			4.37	20
n-Hexane	0.0250	0.0236	0.0236	94.2	94.5	57.0-125			0.339	20
Iodomethane	0.125	0.129	0.130	103	104	67.0-132			0.865	20
p-Isopropyltoluene	0.0250	0.0271	0.0259	108	104	74.0-125			4.26	20
2-Butanone (MEK)	0.125	0.111	0.141	89.1	113	37.0-159		J3	23.3	20
Methylene Chloride	0.0250	0.0232	0.0240	93.0	96.0	67.0-123			3.19	20
4-Methyl-2-pentanone (MIBK)	0.125	0.106	0.127	84.5	102	60.0-144			18.7	20
Methyl tert-butyl ether	0.0250	0.0242	0.0277	96.6	111	66.0-125			13.5	20
Naphthalene	0.0250	0.0210	0.0232	83.9	92.9	64.0-125			10.2	20
n-Propylbenzene	0.0250	0.0253	0.0240	101	95.9	78.0-120			5.27	20
Styrene	0.0250	0.0242	0.0236	96.8	94.3	78.0-124			2.66	20
1,1,1,2-Tetrachloroethane	0.0250	0.0237	0.0233	94.7	93.4	74.0-124			1.42	20
1,1,2,2-Tetrachloroethane	0.0250	0.0206	0.0229	82.2	91.5	73.0-120			10.7	20
Tetrachloroethene	0.0250	0.0239	0.0228	95.7	91.1	70.0-127			4.97	20
Toluene	0.0250	0.0224	0.0217	89.5	86.7	77.0-120			3.19	20
1,1,2-Trichlorotrifluoroethane	0.0250	0.0254	0.0258	101	103	64.0-135			1.84	20
1,2,3-Trichlorobenzene	0.0250	0.0229	0.0234	91.8	93.6	68.0-126			2.00	20
1,2,4-Trichlorobenzene	0.0250	0.0230	0.0227	91.8	90.9	70.0-127			0.934	20
1,1,1-Trichloroethane	0.0250	0.0264	0.0269	105	108	69.0-125			2.14	20
1,1,2-Trichloroethane	0.0250	0.0219	0.0231	87.5	92.5	78.0-120			5.49	20
Trichloroethene	0.0250	0.0251	0.0249	100	99.5	79.0-120			1.01	20
Trichlorofluoromethane	0.0250	0.0261	0.0267	105	107	59.0-136			1.97	20
1,2,3-Trichloropropane	0.0250	0.0204	0.0234	81.4	93.5	73.0-124			13.8	20
1,2,3-Trimethylbenzene	0.0250	0.0244	0.0239	97.7	95.5	76.0-120			2.21	20
1,2,4-Trimethylbenzene	0.0250	0.0248	0.0241	99.3	96.4	75.0-120			2.97	20
1,3,5-Trimethylbenzene	0.0250	0.0253	0.0246	101	98.5	75.0-120			2.78	20
Vinyl chloride	0.0250	0.0268	0.0269	107	108	63.0-134			0.191	20
Xylenes, Total	0.0750	0.0743	0.0715	99.1	95.3	77.0-120			3.84	20
Vinyl acetate	0.125	0.0987	0.122	79.0	97.7	58.0-156		J3	21.2	20
(S) Toluene-d8				*97.6*	*95.1*	*80.0-120*				
(S) Dibromofluoromethane				*102*	*102*	*74.0-131*				
(S) 4-Bromofluorobenzene				*98.1*	*99.1*	*64.0-132*				

L955420-17 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L955420-17 12/07/17 07:29 • (MS) R3271760-4 12/07/17 07:50 • (MSD) R3271760-5 12/07/17 08:11

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acetone	0.138	U	32.0	33.5	65.2	68.1	355	10.0-160			4.35	36
Acrylonitrile	0.138	U	43.6	44.2	88.8	90.0	355	14.0-160			1.32	33
Benzene	0.0277	U	9.37	9.58	95.4	97.6	355	13.0-146			2.31	27
Bromobenzene	0.0277	U	8.07	8.51	82.2	86.7	355	10.0-149			5.31	33
Bromodichloromethane	0.0277	U	8.69	9.02	88.5	91.9	355	15.0-142			3.76	28
Bromoform	0.0277	U	7.68	8.01	78.2	81.6	355	10.0-147			4.18	31
Bromomethane	0.0277	U	10.3	10.6	105	108	355	10.0-160			3.00	32
Bromochloromethane	0.0277	U	9.53	9.58	97.1	97.5	355	24.0-146			0.435	27
n-Butylbenzene	0.0277	U	9.52	9.84	97.0	100	355	10.0-154			3.22	37
sec-Butylbenzene	0.0277	U	9.53	9.79	97.0	99.7	355	10.0-151			2.68	36
tert-Butylbenzene	0.0277	U	9.35	9.57	95.2	97.4	355	10.0-152			2.26	35
Carbon tetrachloride	0.0277	U	9.76	9.37	99.4	95.4	355	13.0-140			4.10	30
Chlorobenzene	0.0277	U	8.63	8.86	87.9	90.2	355	10.0-149			2.53	31
Chlorodibromomethane	0.0277	U	8.01	8.50	81.6	86.5	355	12.0-147			5.86	29
Carbon disulfide	0.0277	U	9.03	9.11	92.0	92.7	355	10.0-141			0.802	30
Chloroethane	0.0277	U	10.1	10.4	103	106	355	10.0-159			2.74	33
Chloroform	0.0277	U	9.45	9.68	96.3	98.6	355	18.0-148			2.37	28
Chloromethane	0.0277	U	10.2	10.4	104	105	355	10.0-146			1.43	29
2-Chlorotoluene	0.0277	U	8.74	9.08	89.0	92.4	355	10.0-151			3.77	35
4-Chlorotoluene	0.0277	U	8.64	8.96	88.0	91.2	355	10.0-150			3.60	35
1,2-Dibromo-3-Chloropropane	0.0277	U	7.82	8.10	79.6	82.4	355	10.0-149			3.50	34
1,2-Dibromoethane	0.0277	U	8.00	8.24	81.4	83.9	355	14.0-145			3.07	28
Dibromomethane	0.0277	U	8.70	9.14	88.6	93.1	355	18.0-144			4.91	27
1,2-Dichlorobenzene	0.0277	U	8.26	8.64	84.2	88.0	355	10.0-153			4.44	34
1,3-Dichlorobenzene	0.0277	U	8.25	8.58	84.0	87.3	355	10.0-150			3.90	35
1,4-Dichlorobenzene	0.0277	U	8.15	8.51	82.9	86.7	355	10.0-148			4.40	34
Dichlorodifluoromethane	0.0277	U	10.5	10.5	107	107	355	10.0-160			0.0960	30
1,1-Dichloroethane	0.0277	U	9.45	9.67	96.2	98.4	355	19.0-148			2.27	28
1,2-Dichloroethane	0.0277	U	9.12	9.23	92.8	94.0	355	17.0-147			1.19	27
trans-1,4-Dichloro-2-butene	0.0277	U	8.01	8.00	81.6	81.4	355	10.0-160			0.164	40
1,1-Dichloroethene	0.0277	U	9.11	9.23	92.7	94.0	355	10.0-150			1.33	31
cis-1,2-Dichloroethene	0.0277	0.969	10.9	11.5	101	107	355	16.0-145			5.60	28
trans-1,2-Dichloroethene	0.0277	U	9.83	9.92	100	101	355	11.0-142			0.907	29
1,2-Dichloropropane	0.0277	U	8.47	8.75	86.3	89.1	355	17.0-148			3.23	28
1,1-Dichloropropene	0.0277	U	9.75	9.82	99.3	100	355	10.0-150			0.667	30
1,3-Dichloropropane	0.0277	U	7.93	8.29	80.8	84.4	355	16.0-148			4.45	27
cis-1,3-Dichloropropene	0.0277	U	8.24	8.45	83.9	86.0	355	13.0-150			2.54	28
trans-1,3-Dichloropropene	0.0277	U	8.16	8.40	83.0	85.5	355	10.0-152			2.95	29
2,2-Dichloropropane	0.0277	U	11.4	11.5	116	117	355	16.0-143			1.06	30

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

L955420-17 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L955420-17 12/07/17 07:29 • (MS) R3271760-4 12/07/17 07:50 • (MSD) R3271760-5 12/07/17 08:11

Analyte	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
Di-isopropyl ether	0.0277	U	9.26	9.68	94.3	98.6	355	16.0-149			4.50	28
Ethylbenzene	0.0277	U	9.16	9.40	93.3	95.7	355	10.0-147			2.54	31
Hexachloro-1,3-butadiene	0.0277	U	10.8	11.0	109	112	355	10.0-154			1.90	40
Isopropylbenzene	0.0277	U	8.93	9.22	90.9	93.8	355	10.0-147			3.15	33
2-Hexanone	0.138	U	38.5	39.2	78.4	79.8	355	12.0-158			1.85	30
p-Isopropyltoluene	0.0277	U	9.61	10.0	97.8	102	355	10.0-156			3.99	37
2-Butanone (MEK)	0.138	U	37.9	39.1	77.2	79.5	355	10.0-160			3.00	33
n-Hexane	0.0277	U	8.58	8.76	87.4	89.2	355	10.0-140			2.10	34
Iodomethane	0.138	U	49.6	50.8	101	103	355	10.0-157			2.30	34
Methylene Chloride	0.0277	U	8.83	8.89	89.9	90.5	355	16.0-139			0.693	29
4-Methyl-2-pentanone (MIBK)	0.138	U	39.2	40.1	79.9	81.7	355	12.0-160			2.26	32
Methyl tert-butyl ether	0.0277	U	9.19	9.48	93.6	96.5	355	21.0-145			3.05	29
Naphthalene	0.0277	U	7.32	7.79	74.6	79.3	355	10.0-153			6.12	36
n-Propylbenzene	0.0277	U	9.06	9.27	92.3	94.4	355	10.0-151			2.22	34
Styrene	0.0277	U	8.89	9.26	90.5	94.3	355	10.0-155			4.10	34
1,1,1,2-Tetrachloroethane	0.0277	U	8.74	9.06	89.0	92.2	355	10.0-147			3.57	30
1,1,2,2-Tetrachloroethane	0.0277	U	6.83	7.09	69.5	72.2	355	10.0-155			3.74	31
Tetrachloroethene	0.0277	31.0	35.9	39.5	50.4	86.8	355	10.0-144			9.47	32
Toluene	0.0277	U	8.20	8.41	83.5	85.6	355	10.0-144			2.57	28
1,1,2-Trichlorotrifluoroethane	0.0277	U	10.2	10.3	104	105	355	10.0-153			1.28	33
1,2,3-Trichlorobenzene	0.0277	U	8.01	8.50	81.5	86.6	355	10.0-153			5.99	40
1,2,4-Trichlorobenzene	0.0277	U	8.04	8.49	81.8	86.4	355	10.0-156			5.47	40
1,1,1-Trichloroethane	0.0277	U	9.89	10.0	101	102	355	18.0-145			1.57	29
1,1,2-Trichloroethane	0.0277	U	7.88	8.16	80.3	83.1	355	12.0-151			3.44	28
Trichloroethene	0.0277	0.335	10.2	10.5	100	103	355	11.0-148			2.98	29
Trichlorofluoromethane	0.0277	U	10.5	10.6	107	108	355	10.0-157			0.755	34
1,2,3-Trichloropropane	0.0277	U	7.27	7.74	74.0	78.8	355	10.0-154			6.31	32
1,2,3-Trimethylbenzene	0.0277	U	9.40	9.84	95.7	100	355	10.0-150			4.52	33
1,2,4-Trimethylbenzene	0.0277	U	8.95	9.29	91.2	94.6	355	10.0-151			3.68	34
1,3,5-Trimethylbenzene	0.0277	U	9.20	9.59	93.7	97.7	355	10.0-150			4.21	33
Vinyl chloride	0.0277	U	10.4	10.4	106	106	355	10.0-150			0.512	29
Xylenes, Total	0.0830	U	27.3	28.2	92.8	95.8	355	10.0-150			3.19	31
Vinyl acetate	0.138	U	24.8	24.9	50.5	50.7	355	10.0-160			0.444	40
(S) Toluene-d8					*97.7*	*95.8*		*80.0-120*				
(S) Dibromofluoromethane					*103*	*101*		*74.0-131*				
(S) 4-Bromofluorobenzene					*97.5*	*97.1*		*64.0-132*				

Sample Narrative:

OS: Cannot be analyzed at a lower dilution due to high levels of target analytes.

Method Blank (MB)

(MB) R3271441-2 12/07/17 10:15

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Acetone	U		1.05	25.0
Acrylonitrile	U		0.873	5.00
Benzene	U		0.0896	0.500
Bromobenzene	U		0.133	0.500
Bromodichloromethane	U		0.0800	0.500
Bromochloromethane	U		0.145	0.500
Bromoform	U		0.186	0.500
Bromomethane	U		0.157	2.50
n-Butylbenzene	U		0.143	0.500
sec-Butylbenzene	U		0.134	0.500
tert-Butylbenzene	U		0.183	0.500
Carbon disulfide	U		0.101	0.500
Carbon tetrachloride	U		0.159	0.500
Chlorobenzene	U		0.140	0.500
Chlorodibromomethane	U		0.128	0.500
Chloroethane	U		0.141	2.50
Chloroform	U		0.0860	0.500
Chloromethane	U		0.153	1.25
2-Chlorotoluene	U		0.111	0.500
4-Chlorotoluene	U		0.0972	0.500
1,2-Dibromo-3-Chloropropane	U		0.325	2.50
1,2-Dibromoethane	U		0.193	0.500
Dibromomethane	U		0.117	0.500
1,2-Dichlorobenzene	U		0.101	0.500
1,3-Dichlorobenzene	U		0.130	0.500
1,4-Dichlorobenzene	U		0.121	0.500
trans-1,4-Dichloro-2-butene	U		0.257	5.00
Dichlorodifluoromethane	U		0.127	2.50
1,1-Dichloroethane	U		0.114	0.500
1,2-Dichloroethane	U		0.108	0.500
1,1-Dichloroethene	U		0.188	0.500
cis-1,2-Dichloroethene	U		0.0933	0.500
trans-1,2-Dichloroethene	U		0.152	0.500
1,2-Dichloropropane	U		0.190	0.500
1,1-Dichloropropene	U		0.128	0.500
1,3-Dichloropropane	U		0.147	1.00
cis-1,3-Dichloropropene	U		0.0976	0.500
trans-1,3-Dichloropropene	U		0.222	0.500
2,2-Dichloropropane	U		0.0929	0.500
n-Hexane	U		0.305	5.00

Method Blank (MB)

(MB) R3271441-2 12/07/17 10:15

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Di-isopropyl ether	U		0.0924	0.500
Ethylbenzene	U		0.158	0.500
Hexachloro-1,3-butadiene	U		0.157	1.00
2-Hexanone	U		0.757	5.00
Iodomethane	U		0.377	10.0
Isopropylbenzene	U		0.126	0.500
p-Isopropyltoluene	U		0.138	0.500
2-Butanone (MEK)	U		1.28	5.00
Methylene Chloride	U		1.07	2.50
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00
Methyl tert-butyl ether	U		0.102	0.500
Naphthalene	U		0.174	2.50
n-Propylbenzene	U		0.162	0.500
Styrene	U		0.117	0.500
1,1,1,2-Tetrachloroethane	U		0.120	0.500
1,1,2,2-Tetrachloroethane	U		0.130	0.500
Tetrachloroethene	U		0.199	0.500
Toluene	U		0.412	0.500
1,1,2-Trichlorotrifluoroethane	0.183	J	0.164	0.500
1,2,3-Trichlorobenzene	U		0.164	0.500
1,2,4-Trichlorobenzene	U		0.355	0.500
1,1,1-Trichloroethane	U		0.0940	0.500
1,1,2-Trichloroethane	U		0.186	0.500
Trichloroethene	0.203	J	0.153	0.500
Trichlorofluoromethane	U		0.130	2.50
1,2,3-Trichloropropane	U		0.247	2.50
1,2,3-Trimethylbenzene	U		0.0739	0.500
1,2,4-Trimethylbenzene	U		0.123	0.500
1,3,5-Trimethylbenzene	U		0.124	0.500
Vinyl acetate	U		0.645	5.00
Vinyl chloride	U		0.118	0.500
Xylenes, Total	U		0.316	1.50
(S) Toluene-d8	*102*			*80.0-120*
(S) Dibromofluoromethane	*96.3*			*76.0-123*
(S) 4-Bromofluorobenzene	*96.5*			*80.0-120*

Laboratory Control Sample (LCS)

(LCS) R3271441-1 12/07/17 09:36

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	125	224	179	10.0-160	J4
Acrylonitrile	125	127	102	60.0-142	
Benzene	25.0	26.3	105	69.0-123	
Bromobenzene	25.0	26.7	107	79.0-120	
Bromodichloromethane	25.0	26.5	106	76.0-120	
Bromochloromethane	25.0	26.5	106	76.0-122	
Bromoform	25.0	27.2	109	67.0-132	
Bromomethane	25.0	25.0	100	18.0-160	
n-Hexane	25.0	29.5	118	56.0-124	
n-Butylbenzene	25.0	29.2	117	72.0-126	
sec-Butylbenzene	25.0	28.4	113	74.0-121	
tert-Butylbenzene	25.0	27.8	111	75.0-122	
Carbon disulfide	25.0	26.2	105	55.0-127	
Carbon tetrachloride	25.0	26.8	107	63.0-122	
Chlorobenzene	25.0	28.0	112	79.0-121	
Chlorodibromomethane	25.0	27.4	110	75.0-125	
Chloroethane	25.0	26.1	104	47.0-152	
Chloroform	25.0	26.1	104	72.0-121	
Chloromethane	25.0	25.6	103	48.0-139	
2-Chlorotoluene	25.0	26.2	105	74.0-122	
4-Chlorotoluene	25.0	27.9	112	79.0-120	
1,2-Dibromo-3-Chloropropane	25.0	25.2	101	64.0-127	
1,2-Dibromoethane	25.0	27.4	109	77.0-123	
Dibromomethane	25.0	26.8	107	78.0-120	
1,2-Dichlorobenzene	25.0	27.7	111	80.0-120	
1,3-Dichlorobenzene	25.0	27.5	110	72.0-123	
1,4-Dichlorobenzene	25.0	26.9	108	77.0-120	
trans-1,4-Dichloro-2-butene	25.0	25.4	101	55.0-134	
Dichlorodifluoromethane	25.0	29.2	117	49.0-155	
1,1-Dichloroethane	25.0	26.7	107	70.0-126	
1,2-Dichloroethane	25.0	26.2	105	67.0-126	
1,1-Dichloroethene	25.0	28.7	115	64.0-129	
cis-1,2-Dichloroethene	25.0	26.8	107	73.0-120	
trans-1,2-Dichloroethene	25.0	26.6	106	71.0-121	
1,2-Dichloropropane	25.0	26.7	107	75.0-125	
1,1-Dichloropropene	25.0	27.4	110	71.0-129	
1,3-Dichloropropane	25.0	27.2	109	80.0-121	
cis-1,3-Dichloropropene	25.0	28.4	114	79.0-123	
trans-1,3-Dichloropropene	25.0	28.2	113	74.0-127	
2,2-Dichloropropane	25.0	23.5	94.0	60.0-125	

Laboratory Control Sample (LCS)

(LCS) R3271441-1 12/07/17 09:36

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Di-isopropyl ether	25.0	25.7	103	59.0-133	
Ethylbenzene	25.0	27.7	111	77.0-120	
Hexachloro-1,3-butadiene	25.0	30.4	121	64.0-131	
2-Hexanone	125	154	123	58.0-147	
Iodomethane	125	129	103	57.0-140	
Isopropylbenzene	25.0	27.3	109	75.0-120	
p-Isopropyltoluene	25.0	28.7	115	74.0-126	
2-Butanone (MEK)	125	168	135	37.0-158	
Methylene Chloride	25.0	25.2	101	66.0-121	
4-Methyl-2-pentanone (MIBK)	125	139	111	59.0-143	
Methyl tert-butyl ether	25.0	26.2	105	64.0-123	
Naphthalene	25.0	28.0	112	62.0-128	
n-Propylbenzene	25.0	27.9	112	79.0-120	
Styrene	25.0	27.9	112	78.0-124	
1,1,1,2-Tetrachloroethane	25.0	27.2	109	75.0-122	
1,1,2,2-Tetrachloroethane	25.0	27.6	111	71.0-122	
Tetrachloroethene	25.0	27.6	111	70.0-127	
Toluene	25.0	27.1	108	77.0-120	
1,1,2-Trichlorotrifluoroethane	25.0	28.6	114	61.0-136	
1,2,3-Trichlorobenzene	25.0	28.7	115	61.0-133	
1,2,4-Trichlorobenzene	25.0	30.1	120	69.0-129	
1,1,1-Trichloroethane	25.0	26.6	106	68.0-122	
1,1,2-Trichloroethane	25.0	27.9	111	78.0-120	
Trichloroethene	25.0	27.4	110	78.0-120	
Trichlorofluoromethane	25.0	29.4	118	56.0-137	
1,2,3-Trichloropropane	25.0	26.6	106	72.0-124	
1,2,3-Trimethylbenzene	25.0	26.5	106	75.0-120	
1,2,4-Trimethylbenzene	25.0	27.5	110	75.0-120	
1,3,5-Trimethylbenzene	25.0	26.9	107	75.0-120	
Vinyl acetate	125	214	171	46.0-160	J4
Vinyl chloride	25.0	25.6	102	64.0-133	
Xylenes, Total	75.0	83.6	111	77.0-120	
(S) Toluene-d8			*102*	*80.0-120*	
(S) Dibromofluoromethane			*97.5*	*76.0-123*	
(S) 4-Bromofluorobenzene			*99.3*	*80.0-120*	

Guide to Reading and Understanding Your Laboratory Report

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

Abbreviations and Definitions

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

Qualifier	Description
J	The identification of the analyte is acceptable; the reported value is an estimate.
J0	J0: Calibration verification outside of acceptance limits. Result is estimated.
J3	The associated batch QC was outside the established quality control range for precision.
J4	The associated batch QC was outside the established quality control range for accuracy.

ACCREDITATIONS & LOCATIONS

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

State Accreditations

Alabama	40660	Nevada	TN-03-2002-34
Alaska	UST-080	New Hampshire	2975
Arizona	AZ0612	New Jersey–NELAP	TN002
Arkansas	88-0469	New Mexico	TN00003
California	01157CA	New York	11742
Colorado	TN00003	North Carolina	Env375
Conneticut	PH-0197	North Carolina [1]	DW21704
Florida	E87487	North Carolina [2]	41
Georgia	NELAP	North Dakota	R-140
Georgia [1]	923	Ohio–VAP	CL0069
Idaho	TN00003	Oklahoma	9915
Illinois	200008	Oregon	TN200002
Indiana	C-TN-01	Pennsylvania	68-02979
Iowa	364	Rhode Island	221
Kansas	E-10277	South Carolina	84004
Kentucky [1]	90010	South Dakota	n/a
Kentucky [2]	16	Tennessee [1 4]	2006
Louisiana	AI30792	Texas	T 104704245-07-TX
Maine	TN0002	Texas [5]	LAB0152
Maryland	324	Utah	6157585858
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	109
Minnesota	047-999-395	Washington	C1915
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	9980939910
Montana	CERT0086	Wyoming	A2LA
Nebraska	NE-OS-15-05		

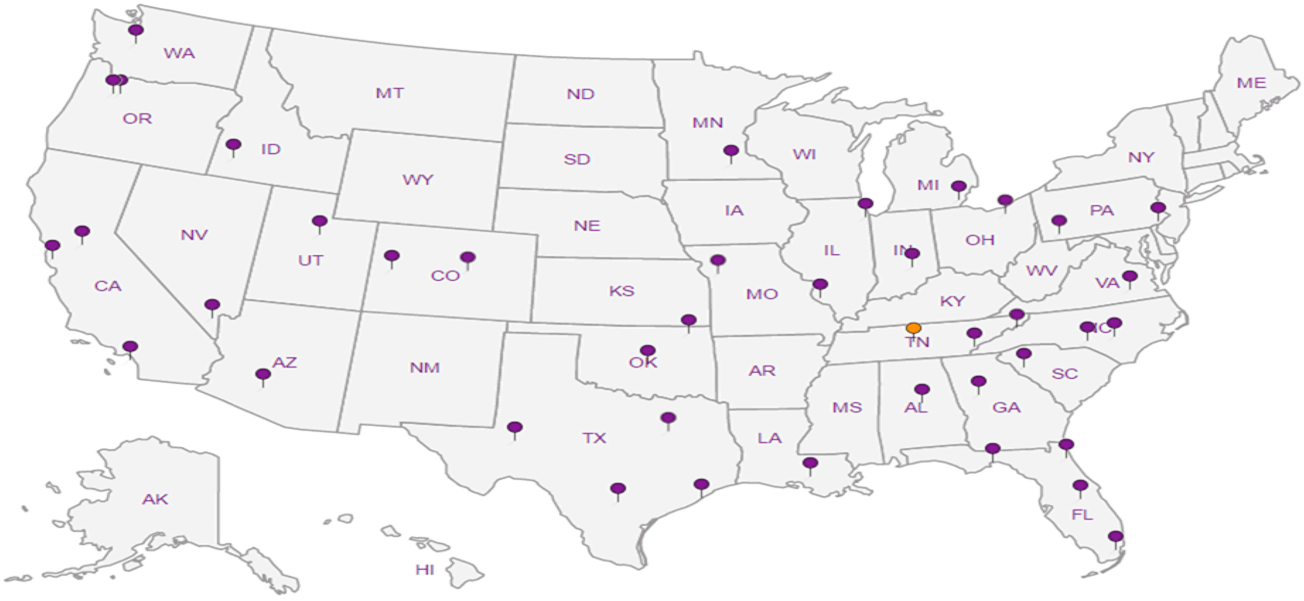
Third Party & Federal Accreditations

A2LA – ISO 17025	1461.01	AIHA-LAP,LLC	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	S-67674
EPA–Crypto	TN00003		

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

Our Locations

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



PES Environmental, Inc.- WA 1215 Fourth Ave., Suite 1350 Seattle, WA 98161	Billing Information: Attn: Accounts Payable 1215 Fourth Ave., Ste. 1350 Seattle, WA 98161	Pres Chk	Analysis / Container / Preservative
Report to: Bill Haldeman	Email To: bhaldeman@pesenv.com		

Chain of Custody Page 1 of 3

ESC LAB SCIENCES
a subsidiary of Pace Analytical

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

Project Description: American Linen Project		City/State Collected: Seattle, WA
Phone: 206-529-3980 Fax: 206-529-3985	Client Project # 1413.001.02.602	Lab Project # PESENVSWA-ALP
Collected by (print): Karsten Springstead	Site/Facility ID # 1413.001.02.602	P.O. # 1413.001.02.602
Collected by (signature): Immediately Packed on Ice N___ Y X	*Rush?* (Lab MUST Be Notified) ___ Same Day ___ Five Day ___ Next Day ___ 5 Day (Rad Only) ___ Two Day ___ 10 Day (Rad Only) ___ Three Day	Quote # Date Results Needed

L# 955420
B150

Acctnum: PESENVSWA
Template: T130006
Prelogin: P626805
TSR: 110 - Brian Ford
PB: 11-14-17 CS
Shipped Via: FedEX Ground

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260C VOCs 40ml/NaHSO4/Syr/MeOH	dry wt/voc screen 2ozClr-NoPres	Remarks	Sample # (lab only)
B-234-6	Grab	SS	6	12-4-17	1000	5	HOLD			
B-234-11		SS	11		1010	5	X	X		-01
B-234-15		SS	15		1015	5	HOLD			
B-234-20		SS	20		1025	5	HOLD			
B-234-25		SS	25		1030	5	HOLD			
B-234-30		SS	30		1035	5	X	X		-02
B-234A-35		SS	35		1220	5	X	X		-03
B-234A-40		SS	40		1230	5	X	X	*	-04
B-234A-42		SS	42		1235	5	X	X	*	-05
B-234A-45		SS	45		1245	5	X	X	*	-06

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

Remarks: * MAY CONTAIN HIGH CONCENTRATIONS (40-45 foot)

pH ______ Temp ______

4142 5219 0940 Flow ______ Other ______

Samples returned via:
__ UPS X FedEx __ Courier ______

Tracking # 4142 5219 0939

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

Relinquished by : (Signature)	Date: 12-5-17	Time: 1500	Received by: (Signature)	Trip Blank Received: [✓ Yes] / No 1 [✓ HCL] / MeoH TBR
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 8.5 °C Bottles Received: 141
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature) 8163	Date: 12/~~20~~ 6/17 Time: 0845

If preservation required by Login: Date/Time

Hold: 12-010

Condition: NCF / [✓ OK]

PES Environmental, Inc.- WA

1215 Fourth Ave., Suite 1350
Seattle, WA 98161

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

Pres Chk

Analysis / Container / Preservative

Chain of Custody Page 2 of 3

ESC LAB SCIENCES a subsidiary of Pace Analytical

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

Report to: Bill Haldeman

Email To: bhaldeman@pesenv.com

Project Description: American Linen Project

City/State Collected: Seattle, WA

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

Client Project # 1413.001.02.602

Lab Project # PESENVSWA-ALP

L #

Table #

Collected by (print): Karsten Springstead

Site/Facility ID # 1413.001.02.602

P.O. # 1413.001.02.602

Collected by (signature):

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

Quote #

Date Results Needed

Immediately Packed on Ice N ___ Y X

Acctnum: PESENVSWA
Template: T130006
Prelogin: P626805
TSR: 110 - Brian Ford
PB: 11-14-17 CS
Shipped Via: FedEX Ground

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260C VOCs 40ml/NaHS04/Syr/MeOH	dry wt/voc screen 2ozClr-NoPres	Remarks	Sample # (lab only)
B-924-30	Grab	SS	30	12-4-17	1100	5	X	X		-07
B-235-6		SS	6		1430	5	HOLD			
B-235-15		SS	15		1510	5	X	X		-08
B-235-25		SS	25		1530	5	HOLD			
B-235-30		SS	30	12-5-17	900	5	HOLD			
B-235-35		SS	35		915	5	X	X		-09
B-235-40		SS	40		925	5	X	X	*	-10
B-235-42.5		SS	42.5		935	5	X	X	*	-11
B-235-45		SS	45		945	5	X	X	*	-12
B-236-11	Grab	SS	11	12-5-17	1240	5	HOLD			

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

Remarks: * MAY CONTAIN HIGH CONCENTRATIONS (40-45 feet)

pH ______ Temp ______
Flow ______ Other ______

Samples returned via:
__ UPS X FedEx __ Courier __ ____

Tracking # 4142 5219 0939/4142 5219 0940

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

Relinquished by : (Signature) Date: 12-9-17 Time: 1500

Received by: (Signature)

Trip Blank Received: [✓ Yes] / No
[✓ HCL] / MeoH
TBR

Relinquished by : (Signature) Date: Time:

Received by: (Signature)

Temp: 0.5 °C Bottles Received: 141

If preservation required by Login: Date/Time

Relinquished by : (Signature) Date: Time:

Received for lab by: (Signature) 8103

Date: 12/6/17 Time: 0845

Hold:

Condition: NCF / [✓ OK]

PES Environmental, Inc.- WA

1215 Fourth Ave., Suite 1350
Seattle, WA 98161

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

Pres Chk

Analysis / Container / Preservative

Chain of Custody Page 3 of 3

ESC
L·A·B S·C·I·E·N·C·E·S
a subsidiary of Pace Analytical

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

Report to: **Bill Haldeman**

Email To: **bhaldeman@pesenv.com**

Project Description: **American Linen Project**

City/State Collected: Seattle, WA

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

Client Project # **1413.001.02.602**

Lab Project # **PESENVSWA-ALP**

L#

Table #

Collected by (print): Karsten Springstead

Site/Facility ID # 1413.001.02.602

P.O. # 1413.001.02.602

Acctnum: **PESENVSWA**
Template: **T130006**
Prelogin: **P626805**
TSR: **110 - Brian Ford**
PB: 11-14-17 CS
Shipped Via: **FedEX Ground**

Collected by (signature):

Immediately Packed on Ice N___ Y X

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

Quote #

Date Results Needed

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260C VOCs 40ml/NaHSO4/Syr/MeOH	dry wt/voc screen 2ozClr-NoPres	Remarks	Sample # (lab only)
B-236-16	Grab	SS	16	12-5-17	1250	5	HOLD			
B-236-20	↓	SS	20	↓	1300	5	X	X		-13
B-236-25		SS	25		1310	5	HOLD			
B-236-30		SS	30		1320	5	HOLD			
B-236-35		SS	35		1330	5	X	X		-14
B-236-40		SS	40		1335	5	X	X	*	-15
B-236-42.5		SS	42.5		1340	5	X	X	*	-16
B-236-45		SS	45		1350	5	X	X	*	-17
TRIP BLANK-120517	—	SS	—	—	—	1	X			-18
		SS								

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

Remarks: *40 foot 142.5 foot/+ 45 foot sample may have high concentrations

pH ______ Temp ______
Flow ______ Other ______

Samples returned via:
__ UPS ✓ FedEx __ Courier __ ______

Tracking # 4142 5219 0940/ 4142 5219 0938

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

Relinquished by : (Signature)	Date: 12-5-17	Time: 1500	Received by: (Signature)
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature) 8103

Trip Blank Received: [✓ Yes] / ~~No~~
[✓ HCL] / MeOH
TBR

Temp: 0.5 °C Bottles Received: 141

Date: 12/6/17 Time: 0845

If preservation required by Login: Date/Time

Hold:

Condition: NCF / [✓ OK]

MEMORANDUM

TO: Project File **DATE:** December 21, 2017

FROM: Jessie Compeau

SUBJECT: Laboratory Data Validation Review

PROJECT: Former American Linen Supply Site, Seattle WA

PROJECT #: 1413.001.02.604

TASK: December 4 and 5, 2017 – Soil Samples

LAB: ESC Lab ID L955420

Twenty-eight (28) soil samples and a trip blank were collected as part of a sampling event at the Former American Linen Supply Site, in Seattle, Washington, on December 4 and 5, 2017. The samples were shipped and delivered to ESC Lab Sciences (ESC) of Mount Juliet, TN for laboratory analysis. Eleven soil samples were placed on hold. Selected samples were analyzed for the following:

- Volatile organic compounds (VOCs) by United States Environmental Protection Agency (USEPA) Method 8260C; and
- Total Solids by Standard Methods 2540 G-2011.

The results are reported in ESC Sample Delivery Group (SDG) L955420. The quarterly monitoring round occurred between November and December of 2017. Associated sample data are reported in 5 ESC SDGs (SDGs L953811, L954448, L954694, L955420, and L956226). The quality assurance review of the sample data associated with SDG L955420 is summarized below.

DATA QUALIFICATIONS

Guidelines established by USEPA for a limited data validation review of analytical data along with ESC control limit criteria were used to validate the data. The comments presented in this memorandum refer to the laboratory's performance in meeting the quality control criteria outlined in the USEPA Contract Laboratory Program National Functional Guidelines for Organic Superfund Methods Data Review (USEPA, 2017).

DATA VALIDATION

Completeness

All samples were collected and analyzed as requested.

Sample Collection and Preservation

Samples were collected on November 30 and December 1, 2017 in laboratory-supplied sample containers preserved as appropriate for the individual analyses conducted. The samples were packed on ice and shipped on December 1, 2017 overnight by courier to ESC. The laboratory reported that the cooler and samples were received at 0.5 degrees Centigrade (°C) and below the recommended temperature preservation of 6°C. The laboratory indicated that the samples were received in good condition. No data were qualified based upon the sample collection and preservation information with the following discussion:

- Trip Blank collection date and time are not listed on the chain of custody. No action is taken other than to note this. The laboratory listed a default collection time of December 4, 2017.

Holding Times

USEPA Method 8260C:
All samples were analyzed for VOCs within the USEPA recommended holding time of fourteen days for soils and preserved water (trip blank) from the date of sample collection. All holding time criteria were met.

General Chemistry (Total Solids):
Samples were analyzed within the USEPA recommended holding time of seven days for total solids. All holding time criteria were met.

Initial and Continuing Calibration

Calibration data for this project are not required for this deliverable however ESC's notes indicate the following:

- *USEPA Method 8260C:* Continuing calibration verification (CCV) issues were noted by ESC for trans-1,4-dichloro-2-butene, naphthalene, 1,1,2,2-tetrachloroethane, 1,2,3-trichloropropane, and vinyl acetate associated with analytical batch WG1050481 (analyzed on December 6, 2017). These results are qualified by the laboratory "J0" to indicate that percent difference CCV is outside of laboratory acceptance criteria. **All associated sample results with laboratory qualified J0 results are estimated and qualified (UJ or J).**

Method Blank Results

USEPA Method 8260C:
Laboratory method blank was included with the analytical batch per method requirement. The target analytes (VOCs) were not detected in the method blanks at or above the reported detection limits (RDLs) with the following exception:

- Low levels of 1,1,2-trichlorotrifluoroethane and trichloroethene were detected in the method blank (Batch WG1050647) associated with the Trip Blank. No action was taken since this appears to be an isolated incident as these compounds are not detected in the Trip Blank or the in the method blanks associated with the soil samples.

Total Solids by SM 2540 G 2011:
Laboratory method blank was included with the analytical batches per method requirement. The target analytes (% solids) were not detected at a significant level in the method blanks and sample results are not impacted.

Trip Blank Results

USEPA Method 8260C:
A trip blank was collected and analyzed. The target analytes (VOCs) were not detected in the trip blank at or above the reported detection limits (RDLs) with the following exception:

- Acetone was detected in the trip blank at a low level and also detected at a low level in soil sample B-234A-45. **Sample B-234A-45 acetone result is qualified as not detected (U) due to blank contamination.**

Field, Rinsate, or Equipment Blank Results

Field, rinsate, or equipment blanks were not collected.

Field Duplicate Analyses

Field duplicate (samples B-234A-42/B-924-30) results are comparable and less than 30% RPD with the following exceptions:

- Field duplicate sample pair RPDs are greater than 30% for cis-1,2-dichloroethene and vinyl chloride. **Sample field duplicate (B-230-21/B-922-15) results for cis-1,2-dichloroethene and vinyl chloride are estimated and qualified (J) due to poor field precision.**

Laboratory Duplicate Analyses

USEPA Method 8260C:
A laboratory duplicate sample was not analyzed. Refer to laboratory control sample/sample duplicate (LCS/LCSD) or matrix spike/matrix spike duplicates (MS/MSDs) results for precision data.

Total Solids by SM 2540 G 2011:
Laboratory duplicate sample analyses were performed on sample B-236-20 and on a non-client sample within the analytical batches. The primary/duplicate RPDs for total solids analyses are within the laboratory control limit of 5%.

Surrogate Recoveries

USEPA Method 8260C:
The surrogate recovery results for the samples, LCS/LCSDs, MS/MSDs, and the method blanks are within the laboratory surrogate control limits for all of the analyses.

Laboratory Control Samples

USEPA Method 8260C:
LCS/LCSD was analyzed by USEPA Method 8260C method. The LCS/LCSD %Rs and RPDs for the all target compounds are within the laboratory control criteria for soils and waters with the following exceptions:

- LCSD (Batch WG1050481) RPD results for 2-butanone (MEK) and vinyl acetate are above control limit criteria and qualified by the laboratory (J3). No action was taken on this basis as LCS/LCSD percent recovery results are recovered wide but are within control limits.

Total Solids by SM 2540 G 2011:
The LCS %Rs for total solids are within the laboratory control criteria for soils.

Matrix Spike/Matrix Spike Duplicates

USEPA Method 8260C:
Matrix spike/matrix spike duplicate (MS/MSD) analyses were performed on client sample B-236-45. The MS/MSD %Rs and RPDs for all target compounds are within the laboratory control criteria for soils.

Other Quality Control Issues

No laboratory quality control issues were identified in the laboratory report.

Compound Identification and Quantitation Limits

The RDLs used for this sample group were acceptable for the project. Several samples were diluted due to elevated concentrations of various target analytes. ESC notes indicate that for soil samples B-235-42.5, B-236-42.5, and B-236-45 the target compounds were too high to run the sample at a lower dilution.

Detections between the MDL and RDL are estimated (J) by the laboratory and qualified (J) by the data validator to re-emphasize that the detection is estimated.

Data Assessment

The laboratory data reported for this project were reviewed based on laboratory control limit acceptance criteria and criteria outlined in:

- USEPA Contract Laboratory Program National Functional Guidelines for Organic Superfund Methods Data Review (USEPA, 2017).

Data qualifiers were assigned and laboratory report pages with qualifiers are attached. All data, including qualified data, are judged to be acceptable for their intended use.

B-234-11
Collected date/time: 12/04/17 10:10

SAMPLE RESULTS - 01
L955420

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

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	86.0		1	12/09/2017 11:27	WG1051549

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0116	0.0581	1	12/07/2017 01:51	WG1050481
Acrylonitrile	U		0.00208	0.0116	1	12/07/2017 01:51	WG1050481
Benzene	U		0.000314	0.00116	1	12/07/2017 01:51	WG1050481
Bromobenzene	U		0.000330	0.00116	1	12/07/2017 01:51	WG1050481
Bromodichloromethane	U		0.000295	0.00116	1	12/07/2017 01:51	WG1050481
Bromochloromethane	U		0.000453	0.00581	1	12/07/2017 01:51	WG1050481
Bromoform	U		0.000493	0.00116	1	12/07/2017 01:51	WG1050481
Bromomethane	U		0.00156	0.00581	1	12/07/2017 01:51	WG1050481
n-Butylbenzene	U		0.000300	0.00116	1	12/07/2017 01:51	WG1050481
sec-Butylbenzene	U		0.000234	0.00116	1	12/07/2017 01:51	WG1050481
tert-Butylbenzene	U		0.000240	0.00116	1	12/07/2017 01:51	WG1050481
Carbon disulfide	U		0.000257	0.00116	1	12/07/2017 01:51	WG1050481
Carbon tetrachloride	U		0.000381	0.00116	1	12/07/2017 01:51	WG1050481
Chlorobenzene	U		0.000246	0.00116	1	12/07/2017 01:51	WG1050481
Chlorodibromomethane	U		0.000434	0.00116	1	12/07/2017 01:51	WG1050481
Chloroethane	U		0.00110	0.00581	1	12/07/2017 01:51	WG1050481
Chloroform	U		0.000266	0.00581	1	12/07/2017 01:51	WG1050481
Chloromethane	U		0.000436	0.00291	1	12/07/2017 01:51	WG1050481
2-Chlorotoluene	U		0.000350	0.00116	1	12/07/2017 01:51	WG1050481
4-Chlorotoluene	U		0.000279	0.00116	1	12/07/2017 01:51	WG1050481
1,2-Dibromo-3-Chloropropane	U		0.00122	0.00581	1	12/07/2017 01:51	WG1050481
1,2-Dibromoethane	U		0.000399	0.00116	1	12/07/2017 01:51	WG1050481
Dibromomethane	U		0.000444	0.00116	1	12/07/2017 01:51	WG1050481
1,2-Dichlorobenzene	U		0.000355	0.00116	1	12/07/2017 01:51	WG1050481
1,3-Dichlorobenzene	U		0.000278	0.00116	1	12/07/2017 01:51	WG1050481
1,4-Dichlorobenzene	U		0.000263	0.00116	1	12/07/2017 01:51	WG1050481
Dichlorodifluoromethane	U		0.000829	0.00581	1	12/07/2017 01:51	WG1050481
1,1-Dichloroethane	U		0.000231	0.00116	1	12/07/2017 01:51	WG1050481
1,2-Dichloroethane	U		0.000308	0.00116	1	12/07/2017 01:51	WG1050481
1,1-Dichloroethene	U		0.000352	0.00116	1	12/07/2017 01:51	WG1050481
cis-1,2-Dichloroethene	U		0.000273	0.00116	1	12/07/2017 01:51	WG1050481
trans-1,2-Dichloroethene	U		0.000307	0.00116	1	12/07/2017 01:51	WG1050481
1,2-Dichloropropane	U		0.000416	0.00116	1	12/07/2017 01:51	WG1050481
1,1-Dichloropropene	U		0.000369	0.00116	1	12/07/2017 01:51	WG1050481
1,3-Dichloropropane	U		0.000241	0.00116	1	12/07/2017 01:51	WG1050481
cis-1,3-Dichloropropene	U		0.000305	0.00116	1	12/07/2017 01:51	WG1050481
trans-1,3-Dichloropropene	U		0.000310	0.00116	1	12/07/2017 01:51	WG1050481
trans-1,4-Dichloro-2-butene	U UJ	J0	0.000905	0.00291	1	12/07/2017 01:51	WG1050481
2,2-Dichloropropane	U		0.000324	0.00116	1	12/07/2017 01:51	WG1050481
Di-isopropyl ether	U		0.000288	0.00116	1	12/07/2017 01:51	WG1050481
Ethylbenzene	U		0.000345	0.00116	1	12/07/2017 01:51	WG1050481
Hexachloro-1,3-butadiene	U		0.000398	0.00116	1	12/07/2017 01:51	WG1050481
2-Hexanone	U		0.00159	0.0116	1	12/07/2017 01:51	WG1050481
n-Hexane	U		0.000337	0.0116	1	12/07/2017 01:51	WG1050481
Iodomethane	U		0.00294	0.0116	1	12/07/2017 01:51	WG1050481
Isopropylbenzene	U		0.000283	0.00116	1	12/07/2017 01:51	WG1050481
p-Isopropyltoluene	U		0.000237	0.00116	1	12/07/2017 01:51	WG1050481
2-Butanone (MEK)	U	J3	0.00544	0.0116	1	12/07/2017 01:51	WG1050481
Methylene Chloride	U		0.00116	0.00581	1	12/07/2017 01:51	WG1050481
4-Methyl-2-pentanone (MIBK)	U		0.00219	0.0116	1	12/07/2017 01:51	WG1050481

JC 12/21/17

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000246	0.00116	1	12/07/2017 01:51	WG1050481
Naphthalene	U UJ	J0	0.00116	0.00581	1	12/07/2017 01:51	WG1050481
n-Propylbenzene	U		0.000240	0.00116	1	12/07/2017 01:51	WG1050481
Styrene	U		0.000272	0.00116	1	12/07/2017 01:51	WG1050481
1,1,1,2-Tetrachloroethane	U		0.000307	0.00116	1	12/07/2017 01:51	WG1050481
1,1,2,2-Tetrachloroethane	U UJ	J0	0.000424	0.00116	1	12/07/2017 01:51	WG1050481
1,1,2-Trichlorotrifluoroethane	U		0.000424	0.00116	1	12/07/2017 01:51	WG1050481
Tetrachloroethene	0.00155		0.000321	0.00116	1	12/07/2017 01:51	WG1050481
Toluene	U		0.000505	0.00581	1	12/07/2017 01:51	WG1050481
1,2,3-Trichlorobenzene	U		0.000356	0.00116	1	12/07/2017 01:51	WG1050481
1,2,4-Trichlorobenzene	U		0.000451	0.00116	1	12/07/2017 01:51	WG1050481
1,1,1-Trichloroethane	U		0.000333	0.00116	1	12/07/2017 01:51	WG1050481
1,1,2-Trichloroethane	U		0.000322	0.00116	1	12/07/2017 01:51	WG1050481
Trichloroethene	U		0.000324	0.00116	1	12/07/2017 01:51	WG1050481
Trichlorofluoromethane	U		0.000444	0.00581	1	12/07/2017 01:51	WG1050481
1,2,3-Trichloropropane	U UJ	J0	0.000862	0.00291	1	12/07/2017 01:51	WG1050481
1,2,4-Trimethylbenzene	U		0.000245	0.00116	1	12/07/2017 01:51	WG1050481
1,2,3-Trimethylbenzene	U		0.000334	0.00116	1	12/07/2017 01:51	WG1050481
1,3,5-Trimethylbenzene	U		0.000309	0.00116	1	12/07/2017 01:51	WG1050481
Vinyl acetate	U UJ	J0 J3	0.00278	0.0116	1	12/07/2017 01:51	WG1050481
Vinyl chloride	U		0.000338	0.00116	1	12/07/2017 01:51	WG1050481
Xylenes, Total	U		0.000812	0.00349	1	12/07/2017 01:51	WG1050481
(S) Toluene-d8	*94.2*			*80.0-120*		*12/07/2017 01:51*	WG1050481
(S) Dibromofluoromethane	*105*			*74.0-131*		*12/07/2017 01:51*	WG1050481
(S) 4-Bromofluorobenzene	*99.1*			*64.0-132*		*12/07/2017 01:51*	WG1050481

JC 12/21/17

B-234-30
Collected date/time: 12/04/17 10:35

SAMPLE RESULTS - 02

L955420

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

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	94.5		1	12/09/2017 11:27	WG1051549

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0106	0.0529	1	12/07/2017 02:12	WG1050481
Acrylonitrile	U		0.00189	0.0106	1	12/07/2017 02:12	WG1050481
Benzene	U		0.000286	0.00106	1	12/07/2017 02:12	WG1050481
Bromobenzene	U		0.000301	0.00106	1	12/07/2017 02:12	WG1050481
Bromodichloromethane	U		0.000269	0.00106	1	12/07/2017 02:12	WG1050481
Bromochloromethane	U		0.000413	0.00529	1	12/07/2017 02:12	WG1050481
Bromoform	U		0.000449	0.00106	1	12/07/2017 02:12	WG1050481
Bromomethane	U		0.00142	0.00529	1	12/07/2017 02:12	WG1050481
n-Butylbenzene	U		0.000273	0.00106	1	12/07/2017 02:12	WG1050481
sec-Butylbenzene	U		0.000213	0.00106	1	12/07/2017 02:12	WG1050481
tert-Butylbenzene	U		0.000218	0.00106	1	12/07/2017 02:12	WG1050481
Carbon disulfide	U		0.000234	0.00106	1	12/07/2017 02:12	WG1050481
Carbon tetrachloride	U		0.000347	0.00106	1	12/07/2017 02:12	WG1050481
Chlorobenzene	U		0.000224	0.00106	1	12/07/2017 02:12	WG1050481
Chlorodibromomethane	U		0.000395	0.00106	1	12/07/2017 02:12	WG1050481
Chloroethane	U		0.00100	0.00529	1	12/07/2017 02:12	WG1050481
Chloroform	U		0.000242	0.00529	1	12/07/2017 02:12	WG1050481
Chloromethane	U		0.000397	0.00265	1	12/07/2017 02:12	WG1050481
2-Chlorotoluene	U		0.000319	0.00106	1	12/07/2017 02:12	WG1050481
4-Chlorotoluene	U		0.000254	0.00106	1	12/07/2017 02:12	WG1050481
1,2-Dibromo-3-Chloropropane	U		0.00111	0.00529	1	12/07/2017 02:12	WG1050481
1,2-Dibromoethane	U		0.000363	0.00106	1	12/07/2017 02:12	WG1050481
Dibromomethane	U		0.000404	0.00106	1	12/07/2017 02:12	WG1050481
1,2-Dichlorobenzene	U		0.000323	0.00106	1	12/07/2017 02:12	WG1050481
1,3-Dichlorobenzene	U		0.000253	0.00106	1	12/07/2017 02:12	WG1050481
1,4-Dichlorobenzene	U		0.000239	0.00106	1	12/07/2017 02:12	WG1050481
Dichlorodifluoromethane	U		0.000755	0.00529	1	12/07/2017 02:12	WG1050481
1,1-Dichloroethane	U		0.000211	0.00106	1	12/07/2017 02:12	WG1050481
1,2-Dichloroethane	U		0.000280	0.00106	1	12/07/2017 02:12	WG1050481
1,1-Dichloroethene	U		0.000321	0.00106	1	12/07/2017 02:12	WG1050481
cis-1,2-Dichloroethene	U		0.000249	0.00106	1	12/07/2017 02:12	WG1050481
trans-1,2-Dichloroethene	U		0.000279	0.00106	1	12/07/2017 02:12	WG1050481
1,2-Dichloropropane	U		0.000379	0.00106	1	12/07/2017 02:12	WG1050481
1,1-Dichloropropene	U		0.000336	0.00106	1	12/07/2017 02:12	WG1050481
1,3-Dichloropropane	U		0.000219	0.00106	1	12/07/2017 02:12	WG1050481
cis-1,3-Dichloropropene	U		0.000277	0.00106	1	12/07/2017 02:12	WG1050481
trans-1,3-Dichloropropene	U		0.000283	0.00106	1	12/07/2017 02:12	WG1050481
trans-1,4-Dichloro-2-butene	U UJ	J0	0.000824	0.00265	1	12/07/2017 02:12	WG1050481
2,2-Dichloropropane	U		0.000295	0.00106	1	12/07/2017 02:12	WG1050481
Di-isopropyl ether	U		0.000263	0.00106	1	12/07/2017 02:12	WG1050481
Ethylbenzene	U		0.000314	0.00106	1	12/07/2017 02:12	WG1050481
Hexachloro-1,3-butadiene	U		0.000362	0.00106	1	12/07/2017 02:12	WG1050481
2-Hexanone	U		0.00145	0.0106	1	12/07/2017 02:12	WG1050481
n-Hexane	U		0.000307	0.0106	1	12/07/2017 02:12	WG1050481
Iodomethane	U		0.00268	0.0106	1	12/07/2017 02:12	WG1050481
Isopropylbenzene	U		0.000257	0.00106	1	12/07/2017 02:12	WG1050481
p-Isopropyltoluene	U		0.000216	0.00106	1	12/07/2017 02:12	WG1050481
2-Butanone (MEK)	U	J3	0.00495	0.0106	1	12/07/2017 02:12	WG1050481
Methylene Chloride	U		0.00106	0.00529	1	12/07/2017 02:12	WG1050481
4-Methyl-2-pentanone (MIBK)	U		0.00199	0.0106	1	12/07/2017 02:12	WG1050481

JC 12/21/17

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000224	0.00106	1	12/07/2017 02:12	WG1050481
Naphthalene	U UJ	J0	0.00106	0.00529	1	12/07/2017 02:12	WG1050481
n-Propylbenzene	U		0.000218	0.00106	1	12/07/2017 02:12	WG1050481
Styrene	U		0.000248	0.00106	1	12/07/2017 02:12	WG1050481
1,1,1,2-Tetrachloroethane	U		0.000279	0.00106	1	12/07/2017 02:12	WG1050481
1,1,2,2-Tetrachloroethane	U UJ	J0	0.000386	0.00106	1	12/07/2017 02:12	WG1050481
1,1,2-Trichlorotrifluoroethane	U		0.000386	0.00106	1	12/07/2017 02:12	WG1050481
Tetrachloroethene	U		0.000292	0.00106	1	12/07/2017 02:12	WG1050481
Toluene	U		0.000459	0.00529	1	12/07/2017 02:12	WG1050481
1,2,3-Trichlorobenzene	U		0.000324	0.00106	1	12/07/2017 02:12	WG1050481
1,2,4-Trichlorobenzene	U		0.000411	0.00106	1	12/07/2017 02:12	WG1050481
1,1,1-Trichloroethane	U		0.000303	0.00106	1	12/07/2017 02:12	WG1050481
1,1,2-Trichloroethane	U		0.000293	0.00106	1	12/07/2017 02:12	WG1050481
Trichloroethene	U		0.000295	0.00106	1	12/07/2017 02:12	WG1050481
Trichlorofluoromethane	U		0.000404	0.00529	1	12/07/2017 02:12	WG1050481
1,2,3-Trichloropropane	U UJ	J0	0.000784	0.00265	1	12/07/2017 02:12	WG1050481
1,2,4-Trimethylbenzene	U		0.000223	0.00106	1	12/07/2017 02:12	WG1050481
1,2,3-Trimethylbenzene	U		0.000304	0.00106	1	12/07/2017 02:12	WG1050481
1,3,5-Trimethylbenzene	U		0.000282	0.00106	1	12/07/2017 02:12	WG1050481
Vinyl acetate	U UJ	J0 J3	0.00253	0.0106	1	12/07/2017 02:12	WG1050481
Vinyl chloride	U		0.000308	0.00106	1	12/07/2017 02:12	WG1050481
Xylenes, Total	U		0.000739	0.00318	1	12/07/2017 02:12	WG1050481
(S) Toluene-d8	*92.0*			*80.0-120*		*12/07/2017 02:12*	WG1050481
(S) Dibromofluoromethane	*105*			*74.0-131*		*12/07/2017 02:12*	WG1050481
(S) 4-Bromofluorobenzene	*98.5*			*64.0-132*		*12/07/2017 02:12*	WG1050481

JC 12/21/17

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	87.2		1	12/09/2017 11:27	WG1051549

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0115	0.0574	1	12/07/2017 02:33	WG1050481
Acrylonitrile	U		0.00205	0.0115	1	12/07/2017 02:33	WG1050481
Benzene	U		0.000310	0.00115	1	12/07/2017 02:33	WG1050481
Bromobenzene	U		0.000326	0.00115	1	12/07/2017 02:33	WG1050481
Bromodichloromethane	U		0.000291	0.00115	1	12/07/2017 02:33	WG1050481
Bromochloromethane	U		0.000447	0.00574	1	12/07/2017 02:33	WG1050481
Bromoform	U		0.000486	0.00115	1	12/07/2017 02:33	WG1050481
Bromomethane	U		0.00154	0.00574	1	12/07/2017 02:33	WG1050481
n-Butylbenzene	U		0.000296	0.00115	1	12/07/2017 02:33	WG1050481
sec-Butylbenzene	U		0.000231	0.00115	1	12/07/2017 02:33	WG1050481
tert-Butylbenzene	U		0.000236	0.00115	1	12/07/2017 02:33	WG1050481
Carbon disulfide	U		0.000254	0.00115	1	12/07/2017 02:33	WG1050481
Carbon tetrachloride	U		0.000376	0.00115	1	12/07/2017 02:33	WG1050481
Chlorobenzene	U		0.000243	0.00115	1	12/07/2017 02:33	WG1050481
Chlorodibromomethane	U		0.000428	0.00115	1	12/07/2017 02:33	WG1050481
Chloroethane	U		0.00109	0.00574	1	12/07/2017 02:33	WG1050481
Chloroform	U		0.000263	0.00574	1	12/07/2017 02:33	WG1050481
Chloromethane	U		0.000430	0.00287	1	12/07/2017 02:33	WG1050481
2-Chlorotoluene	U		0.000345	0.00115	1	12/07/2017 02:33	WG1050481
4-Chlorotoluene	U		0.000275	0.00115	1	12/07/2017 02:33	WG1050481
1,2-Dibromo-3-Chloropropane	U		0.00120	0.00574	1	12/07/2017 02:33	WG1050481
1,2-Dibromoethane	U		0.000393	0.00115	1	12/07/2017 02:33	WG1050481
Dibromomethane	U		0.000438	0.00115	1	12/07/2017 02:33	WG1050481
1,2-Dichlorobenzene	U		0.000350	0.00115	1	12/07/2017 02:33	WG1050481
1,3-Dichlorobenzene	U		0.000274	0.00115	1	12/07/2017 02:33	WG1050481
1,4-Dichlorobenzene	U		0.000259	0.00115	1	12/07/2017 02:33	WG1050481
Dichlorodifluoromethane	U		0.000818	0.00574	1	12/07/2017 02:33	WG1050481
1,1-Dichloroethane	U		0.000228	0.00115	1	12/07/2017 02:33	WG1050481
1,2-Dichloroethane	U		0.000304	0.00115	1	12/07/2017 02:33	WG1050481
1,1-Dichloroethene	U		0.000348	0.00115	1	12/07/2017 02:33	WG1050481
cis-1,2-Dichloroethene	U		0.000270	0.00115	1	12/07/2017 02:33	WG1050481
trans-1,2-Dichloroethene	U		0.000303	0.00115	1	12/07/2017 02:33	WG1050481
1,2-Dichloropropane	U		0.000411	0.00115	1	12/07/2017 02:33	WG1050481
1,1-Dichloropropene	U		0.000364	0.00115	1	12/07/2017 02:33	WG1050481
1,3-Dichloropropane	U		0.000237	0.00115	1	12/07/2017 02:33	WG1050481
cis-1,3-Dichloropropene	U		0.000301	0.00115	1	12/07/2017 02:33	WG1050481
trans-1,3-Dichloropropene	U		0.000306	0.00115	1	12/07/2017 02:33	WG1050481
trans-1,4-Dichloro-2-butene	U UJ	J0	0.000892	0.00287	1	12/07/2017 02:33	WG1050481
2,2-Dichloropropane	U		0.000320	0.00115	1	12/07/2017 02:33	WG1050481
Di-isopropyl ether	U		0.000284	0.00115	1	12/07/2017 02:33	WG1050481
Ethylbenzene	U		0.000341	0.00115	1	12/07/2017 02:33	WG1050481
Hexachloro-1,3-butadiene	U		0.000392	0.00115	1	12/07/2017 02:33	WG1050481
2-Hexanone	U		0.00157	0.0115	1	12/07/2017 02:33	WG1050481
n-Hexane	U		0.000333	0.0115	1	12/07/2017 02:33	WG1050481
Iodomethane	U		0.00290	0.0115	1	12/07/2017 02:33	WG1050481
Isopropylbenzene	U		0.000279	0.00115	1	12/07/2017 02:33	WG1050481
p-Isopropyltoluene	U		0.000234	0.00115	1	12/07/2017 02:33	WG1050481
2-Butanone (MEK)	U	J3	0.00537	0.0115	1	12/07/2017 02:33	WG1050481
Methylene Chloride	U		0.00115	0.00574	1	12/07/2017 02:33	WG1050481
4-Methyl-2-pentanone (MIBK)	U		0.00216	0.0115	1	12/07/2017 02:33	WG1050481

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000243	0.00115	1	12/07/2017 02:33	WG1050481
Naphthalene	U UJ	J0	0.00115	0.00574	1	12/07/2017 02:33	WG1050481
n-Propylbenzene	U		0.000236	0.00115	1	12/07/2017 02:33	WG1050481
Styrene	U		0.000268	0.00115	1	12/07/2017 02:33	WG1050481
1,1,1,2-Tetrachloroethane	U		0.000303	0.00115	1	12/07/2017 02:33	WG1050481
1,1,2,2-Tetrachloroethane	U UJ	J0	0.000419	0.00115	1	12/07/2017 02:33	WG1050481
1,1,2-Trichlorotrifluoroethane	U		0.000419	0.00115	1	12/07/2017 02:33	WG1050481
Tetrachloroethene	0.000320 J	J	0.000317	0.00115	1	12/07/2017 02:33	WG1050481
Toluene	U		0.000498	0.00574	1	12/07/2017 02:33	WG1050481
1,2,3-Trichlorobenzene	U		0.000351	0.00115	1	12/07/2017 02:33	WG1050481
1,2,4-Trichlorobenzene	U		0.000445	0.00115	1	12/07/2017 02:33	WG1050481
1,1,1-Trichloroethane	U		0.000328	0.00115	1	12/07/2017 02:33	WG1050481
1,1,2-Trichloroethane	U		0.000318	0.00115	1	12/07/2017 02:33	WG1050481
Trichloroethene	U		0.000320	0.00115	1	12/07/2017 02:33	WG1050481
Trichlorofluoromethane	U		0.000438	0.00574	1	12/07/2017 02:33	WG1050481
1,2,3-Trichloropropane	U UJ	J0	0.000850	0.00287	1	12/07/2017 02:33	WG1050481
1,2,4-Trimethylbenzene	U		0.000242	0.00115	1	12/07/2017 02:33	WG1050481
1,2,3-Trimethylbenzene	U		0.000329	0.00115	1	12/07/2017 02:33	WG1050481
1,3,5-Trimethylbenzene	U		0.000305	0.00115	1	12/07/2017 02:33	WG1050481
Vinyl acetate	U UJ	J0 J3	0.00274	0.0115	1	12/07/2017 02:33	WG1050481
Vinyl chloride	U		0.000334	0.00115	1	12/07/2017 02:33	WG1050481
Xylenes, Total	U		0.000801	0.00344	1	12/07/2017 02:33	WG1050481
(S) Toluene-d8	*92.9*			*80.0-120*		*12/07/2017 02:33*	WG1050481
(S) Dibromofluoromethane	*107*			*74.0-131*		*12/07/2017 02:33*	WG1050481
(S) 4-Bromofluorobenzene	*100*			*64.0-132*		*12/07/2017 02:33*	WG1050481

JC 12/21/17

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	92.9		1	12/09/2017 11:27	WG1051549

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0108	0.0538	1	12/07/2017 02:55	WG1050481
Acrylonitrile	U		0.00193	0.0108	1	12/07/2017 02:55	WG1050481
Benzene	U		0.000291	0.00108	1	12/07/2017 02:55	WG1050481
Bromobenzene	U		0.000306	0.00108	1	12/07/2017 02:55	WG1050481
Bromodichloromethane	U		0.000273	0.00108	1	12/07/2017 02:55	WG1050481
Bromochloromethane	U		0.000420	0.00538	1	12/07/2017 02:55	WG1050481
Bromoform	U		0.000456	0.00108	1	12/07/2017 02:55	WG1050481
Bromomethane	U		0.00144	0.00538	1	12/07/2017 02:55	WG1050481
n-Butylbenzene	U		0.000278	0.00108	1	12/07/2017 02:55	WG1050481
sec-Butylbenzene	U		0.000216	0.00108	1	12/07/2017 02:55	WG1050481
tert-Butylbenzene	U		0.000222	0.00108	1	12/07/2017 02:55	WG1050481
Carbon disulfide	U		0.000238	0.00108	1	12/07/2017 02:55	WG1050481
Carbon tetrachloride	U		0.000353	0.00108	1	12/07/2017 02:55	WG1050481
Chlorobenzene	U		0.000228	0.00108	1	12/07/2017 02:55	WG1050481
Chlorodibromomethane	U		0.000401	0.00108	1	12/07/2017 02:55	WG1050481
Chloroethane	U		0.00102	0.00538	1	12/07/2017 02:55	WG1050481
Chloroform	U		0.000246	0.00538	1	12/07/2017 02:55	WG1050481
Chloromethane	U		0.000404	0.00269	1	12/07/2017 02:55	WG1050481
2-Chlorotoluene	U		0.000324	0.00108	1	12/07/2017 02:55	WG1050481
4-Chlorotoluene	U		0.000258	0.00108	1	12/07/2017 02:55	WG1050481
1,2-Dibromo-3-Chloropropane	U		0.00113	0.00538	1	12/07/2017 02:55	WG1050481
1,2-Dibromoethane	U		0.000369	0.00108	1	12/07/2017 02:55	WG1050481
Dibromomethane	U		0.000411	0.00108	1	12/07/2017 02:55	WG1050481
1,2-Dichlorobenzene	U		0.000328	0.00108	1	12/07/2017 02:55	WG1050481
1,3-Dichlorobenzene	U		0.000257	0.00108	1	12/07/2017 02:55	WG1050481
1,4-Dichlorobenzene	U		0.000243	0.00108	1	12/07/2017 02:55	WG1050481
Dichlorodifluoromethane	U		0.000767	0.00538	1	12/07/2017 02:55	WG1050481
1,1-Dichloroethane	U		0.000214	0.00108	1	12/07/2017 02:55	WG1050481
1,2-Dichloroethane	U		0.000285	0.00108	1	12/07/2017 02:55	WG1050481
1,1-Dichloroethene	U		0.000326	0.00108	1	12/07/2017 02:55	WG1050481
cis-1,2-Dichloroethene	U		0.000253	0.00108	1	12/07/2017 02:55	WG1050481
trans-1,2-Dichloroethene	U		0.000284	0.00108	1	12/07/2017 02:55	WG1050481
1,2-Dichloropropane	U		0.000385	0.00108	1	12/07/2017 02:55	WG1050481
1,1-Dichloropropene	U		0.000341	0.00108	1	12/07/2017 02:55	WG1050481
1,3-Dichloropropane	U		0.000223	0.00108	1	12/07/2017 02:55	WG1050481
cis-1,3-Dichloropropene	U		0.000282	0.00108	1	12/07/2017 02:55	WG1050481
trans-1,3-Dichloropropene	U		0.000287	0.00108	1	12/07/2017 02:55	WG1050481
trans-1,4-Dichloro-2-butene	U UJ	J0	0.000837	0.00269	1	12/07/2017 02:55	WG1050481
2,2-Dichloropropane	U		0.000300	0.00108	1	12/07/2017 02:55	WG1050481
Di-isopropyl ether	U		0.000267	0.00108	1	12/07/2017 02:55	WG1050481
Ethylbenzene	U		0.000320	0.00108	1	12/07/2017 02:55	WG1050481
Hexachloro-1,3-butadiene	U		0.000368	0.00108	1	12/07/2017 02:55	WG1050481
2-Hexanone	U		0.00147	0.0108	1	12/07/2017 02:55	WG1050481
n-Hexane	U		0.000312	0.0108	1	12/07/2017 02:55	WG1050481
Iodomethane	U		0.00272	0.0108	1	12/07/2017 02:55	WG1050481
Isopropylbenzene	U		0.000262	0.00108	1	12/07/2017 02:55	WG1050481
p-Isopropyltoluene	U		0.000220	0.00108	1	12/07/2017 02:55	WG1050481
2-Butanone (MEK)	U	J3	0.00504	0.0108	1	12/07/2017 02:55	WG1050481
Methylene Chloride	U		0.00108	0.00538	1	12/07/2017 02:55	WG1050481
4-Methyl-2-pentanone (MIBK)	U		0.00202	0.0108	1	12/07/2017 02:55	WG1050481

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B-234A-40

Collected date/time: 12/04/17 12:30

SAMPLE RESULTS - 04

L955420

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000228	0.00108	1	12/07/2017 02:55	WG1050481
Naphthalene	U UJ	J0	0.00108	0.00538	1	12/07/2017 02:55	WG1050481
n-Propylbenzene	U		0.000222	0.00108	1	12/07/2017 02:55	WG1050481
Styrene	U		0.000252	0.00108	1	12/07/2017 02:55	WG1050481
1,1,1,2-Tetrachloroethane	U		0.000284	0.00108	1	12/07/2017 02:55	WG1050481
1,1,2,2-Tetrachloroethane	U UJ	J0	0.000393	0.00108	1	12/07/2017 02:55	WG1050481
1,1,2-Trichlorotrifluoroethane	U		0.000393	0.00108	1	12/07/2017 02:55	WG1050481
Tetrachloroethene	0.000501 J	J	0.000297	0.00108	1	12/07/2017 02:55	WG1050481
Toluene	U		0.000467	0.00538	1	12/07/2017 02:55	WG1050481
1,2,3-Trichlorobenzene	U		0.000329	0.00108	1	12/07/2017 02:55	WG1050481
1,2,4-Trichlorobenzene	U		0.000418	0.00108	1	12/07/2017 02:55	WG1050481
1,1,1-Trichloroethane	U		0.000308	0.00108	1	12/07/2017 02:55	WG1050481
1,1,2-Trichloroethane	U		0.000298	0.00108	1	12/07/2017 02:55	WG1050481
Trichloroethene	U		0.000300	0.00108	1	12/07/2017 02:55	WG1050481
Trichlorofluoromethane	U		0.000411	0.00538	1	12/07/2017 02:55	WG1050481
1,2,3-Trichloropropane	U UJ	J0	0.000798	0.00269	1	12/07/2017 02:55	WG1050481
1,2,4-Trimethylbenzene	U		0.000227	0.00108	1	12/07/2017 02:55	WG1050481
1,2,3-Trimethylbenzene	U		0.000309	0.00108	1	12/07/2017 02:55	WG1050481
1,3,5-Trimethylbenzene	U		0.000286	0.00108	1	12/07/2017 02:55	WG1050481
Vinyl acetate	U UJ	J0 J3	0.00257	0.0108	1	12/07/2017 02:55	WG1050481
Vinyl chloride	U		0.000313	0.00108	1	12/07/2017 02:55	WG1050481
Xylenes, Total	U		0.000751	0.00323	1	12/07/2017 02:55	WG1050481
(S) Toluene-d8	*91.3*			*80.0-120*		*12/07/2017 02:55*	WG1050481
(S) Dibromofluoromethane	*110*			*74.0-131*		*12/07/2017 02:55*	WG1050481
(S) 4-Bromofluorobenzene	*99.9*			*64.0-132*		*12/07/2017 02:55*	WG1050481

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

JC 12/21/17

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	81.6		1	12/09/2017 11:27	WG1051549

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0123	0.0613	1	12/07/2017 03:16	WG1050481
Acrylonitrile	U		0.00219	0.0123	1	12/07/2017 03:16	WG1050481
Benzene	U		0.000331	0.00123	1	12/07/2017 03:16	WG1050481
Bromobenzene	U		0.000348	0.00123	1	12/07/2017 03:16	WG1050481
Bromodichloromethane	U		0.000311	0.00123	1	12/07/2017 03:16	WG1050481
Bromochloromethane	U		0.000478	0.00613	1	12/07/2017 03:16	WG1050481
Bromoform	U		0.000519	0.00123	1	12/07/2017 03:16	WG1050481
Bromomethane	U		0.00164	0.00613	1	12/07/2017 03:16	WG1050481
n-Butylbenzene	U		0.000316	0.00123	1	12/07/2017 03:16	WG1050481
sec-Butylbenzene	U		0.000246	0.00123	1	12/07/2017 03:16	WG1050481
tert-Butylbenzene	U		0.000252	0.00123	1	12/07/2017 03:16	WG1050481
Carbon disulfide	U		0.000271	0.00123	1	12/07/2017 03:16	WG1050481
Carbon tetrachloride	U		0.000402	0.00123	1	12/07/2017 03:16	WG1050481
Chlorobenzene	U		0.000260	0.00123	1	12/07/2017 03:16	WG1050481
Chlorodibromomethane	U		0.000457	0.00123	1	12/07/2017 03:16	WG1050481
Chloroethane	U		0.00116	0.00613	1	12/07/2017 03:16	WG1050481
Chloroform	U		0.000281	0.00613	1	12/07/2017 03:16	WG1050481
Chloromethane	U		0.000459	0.00306	1	12/07/2017 03:16	WG1050481
2-Chlorotoluene	U		0.000369	0.00123	1	12/07/2017 03:16	WG1050481
4-Chlorotoluene	U		0.000294	0.00123	1	12/07/2017 03:16	WG1050481
1,2-Dibromo-3-Chloropropane	U		0.00129	0.00613	1	12/07/2017 03:16	WG1050481
1,2-Dibromoethane	U		0.000420	0.00123	1	12/07/2017 03:16	WG1050481
Dibromomethane	U		0.000468	0.00123	1	12/07/2017 03:16	WG1050481
1,2-Dichlorobenzene	U		0.000374	0.00123	1	12/07/2017 03:16	WG1050481
1,3-Dichlorobenzene	U		0.000293	0.00123	1	12/07/2017 03:16	WG1050481
1,4-Dichlorobenzene	U		0.000277	0.00123	1	12/07/2017 03:16	WG1050481
Dichlorodifluoromethane	U		0.000874	0.00613	1	12/07/2017 03:16	WG1050481
1,1-Dichloroethane	U		0.000244	0.00123	1	12/07/2017 03:16	WG1050481
1,2-Dichloroethane	U		0.000325	0.00123	1	12/07/2017 03:16	WG1050481
1,1-Dichloroethene	0.00288		0.000371	0.00123	1	12/07/2017 03:16	WG1050481
cis-1,2-Dichloroethene	3.65	J	0.00720	0.0306	25	12/11/2017 03:24	WG1050481
trans-1,2-Dichloroethene	0.00104 J	J	0.000323	0.00123	1	12/07/2017 03:16	WG1050481
1,2-Dichloropropane	U		0.000439	0.00123	1	12/07/2017 03:16	WG1050481
1,1-Dichloropropene	U		0.000388	0.00123	1	12/07/2017 03:16	WG1050481
1,3-Dichloropropane	U		0.000254	0.00123	1	12/07/2017 03:16	WG1050481
cis-1,3-Dichloropropene	U		0.000321	0.00123	1	12/07/2017 03:16	WG1050481
trans-1,3-Dichloropropene	U		0.000327	0.00123	1	12/07/2017 03:16	WG1050481
trans-1,4-Dichloro-2-butene	U UJ	J0	0.000953	0.00306	1	12/07/2017 03:16	WG1050481
2,2-Dichloropropane	U		0.000342	0.00123	1	12/07/2017 03:16	WG1050481
Di-isopropyl ether	U		0.000304	0.00123	1	12/07/2017 03:16	WG1050481
Ethylbenzene	U		0.000364	0.00123	1	12/07/2017 03:16	WG1050481
Hexachloro-1,3-butadiene	U		0.000419	0.00123	1	12/07/2017 03:16	WG1050481
2-Hexanone	U		0.00168	0.0123	1	12/07/2017 03:16	WG1050481
n-Hexane	U		0.000355	0.0123	1	12/07/2017 03:16	WG1050481
Iodomethane	U		0.00310	0.0123	1	12/07/2017 03:16	WG1050481
Isopropylbenzene	U		0.000298	0.00123	1	12/07/2017 03:16	WG1050481
p-Isopropyltoluene	U		0.000250	0.00123	1	12/07/2017 03:16	WG1050481
2-Butanone (MEK)	U	J3	0.00573	0.0123	1	12/07/2017 03:16	WG1050481
Methylene Chloride	U		0.00123	0.00613	1	12/07/2017 03:16	WG1050481
4-Methyl-2-pentanone (MIBK)	U		0.00230	0.0123	1	12/07/2017 03:16	WG1050481

JC 12/21/17

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

Analyte	Result (dry) mg/kg		Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U			0.000260	0.00123	1	12/07/2017 03:16	WG1050481
Naphthalene	U	UJ	J0	0.00123	0.00613	1	12/07/2017 03:16	WG1050481
n-Propylbenzene	U			0.000252	0.00123	1	12/07/2017 03:16	WG1050481
Styrene	U			0.000287	0.00123	1	12/07/2017 03:16	WG1050481
1,1,1,2-Tetrachloroethane	U			0.000323	0.00123	1	12/07/2017 03:16	WG1050481
1,1,2,2-Tetrachloroethane	U	UJ	J0	0.000447	0.00123	1	12/07/2017 03:16	WG1050481
1,1,2-Trichlorotrifluoroethane	U			0.000447	0.00123	1	12/07/2017 03:16	WG1050481
Tetrachloroethene	0.0146			0.000338	0.00123	1	12/07/2017 03:16	WG1050481
Toluene	U			0.000532	0.00613	1	12/07/2017 03:16	WG1050481
1,2,3-Trichlorobenzene	U			0.000375	0.00123	1	12/07/2017 03:16	WG1050481
1,2,4-Trichlorobenzene	U			0.000475	0.00123	1	12/07/2017 03:16	WG1050481
1,1,1-Trichloroethane	U			0.000350	0.00123	1	12/07/2017 03:16	WG1050481
1,1,2-Trichloroethane	U			0.000339	0.00123	1	12/07/2017 03:16	WG1050481
Trichloroethene	0.00180			0.000342	0.00123	1	12/07/2017 03:16	WG1050481
Trichlorofluoromethane	U			0.000468	0.00613	1	12/07/2017 03:16	WG1050481
1,2,3-Trichloropropane	U	UJ	J0	0.000908	0.00306	1	12/07/2017 03:16	WG1050481
1,2,4-Trimethylbenzene	U			0.000259	0.00123	1	12/07/2017 03:16	WG1050481
1,2,3-Trimethylbenzene	U			0.000352	0.00123	1	12/07/2017 03:16	WG1050481
1,3,5-Trimethylbenzene	U			0.000326	0.00123	1	12/07/2017 03:16	WG1050481
Vinyl acetate	U	UJ	J0 J3	0.00293	0.0123	1	12/07/2017 03:16	WG1050481
Vinyl chloride	0.343	J		0.00892	0.0306	25	12/11/2017 03:24	WG1050481
Xylenes, Total	U			0.000855	0.00368	1	12/07/2017 03:16	WG1050481
(S) Toluene-d8	*92.6*				*80.0-120*		*12/07/2017 03:16*	WG1050481
(S) Toluene-d8	*102*				*80.0-120*		*12/11/2017 03:24*	WG1050481
(S) Dibromofluoromethane	*107*				*74.0-131*		*12/07/2017 03:16*	WG1050481
(S) Dibromofluoromethane	*90.8*				*74.0-131*		*12/11/2017 03:24*	WG1050481
(S) 4-Bromofluorobenzene	*100*				*64.0-132*		*12/07/2017 03:16*	WG1050481
(S) 4-Bromofluorobenzene	*107*				*64.0-132*		*12/11/2017 03:24*	WG1050481

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

JC 12/21/17

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

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	88.7		1	12/09/2017 11:27	WG1051549

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.0150 U	J	0.0113	0.0563	1	12/07/2017 03:37	WG1050481
Acrylonitrile	U		0.00202	0.0113	1	12/07/2017 03:37	WG1050481
Benzene	U		0.000304	0.00113	1	12/07/2017 03:37	WG1050481
Bromobenzene	U		0.000320	0.00113	1	12/07/2017 03:37	WG1050481
Bromodichloromethane	U		0.000286	0.00113	1	12/07/2017 03:37	WG1050481
Bromochloromethane	U		0.000440	0.00563	1	12/07/2017 03:37	WG1050481
Bromoform	U		0.000478	0.00113	1	12/07/2017 03:37	WG1050481
Bromomethane	U		0.00151	0.00563	1	12/07/2017 03:37	WG1050481
n-Butylbenzene	U		0.000291	0.00113	1	12/07/2017 03:37	WG1050481
sec-Butylbenzene	U		0.000227	0.00113	1	12/07/2017 03:37	WG1050481
tert-Butylbenzene	U		0.000232	0.00113	1	12/07/2017 03:37	WG1050481
Carbon disulfide	0.000271 J	J	0.000249	0.00113	1	12/07/2017 03:37	WG1050481
Carbon tetrachloride	U		0.000370	0.00113	1	12/07/2017 03:37	WG1050481
Chlorobenzene	U		0.000239	0.00113	1	12/07/2017 03:37	WG1050481
Chlorodibromomethane	U		0.000420	0.00113	1	12/07/2017 03:37	WG1050481
Chloroethane	U		0.00107	0.00563	1	12/07/2017 03:37	WG1050481
Chloroform	U		0.000258	0.00563	1	12/07/2017 03:37	WG1050481
Chloromethane	U		0.000423	0.00282	1	12/07/2017 03:37	WG1050481
2-Chlorotoluene	U		0.000339	0.00113	1	12/07/2017 03:37	WG1050481
4-Chlorotoluene	U		0.000270	0.00113	1	12/07/2017 03:37	WG1050481
1,2-Dibromo-3-Chloropropane	U		0.00118	0.00563	1	12/07/2017 03:37	WG1050481
1,2-Dibromoethane	U		0.000387	0.00113	1	12/07/2017 03:37	WG1050481
Dibromomethane	U		0.000430	0.00113	1	12/07/2017 03:37	WG1050481
1,2-Dichlorobenzene	U		0.000344	0.00113	1	12/07/2017 03:37	WG1050481
1,3-Dichlorobenzene	U		0.000269	0.00113	1	12/07/2017 03:37	WG1050481
1,4-Dichlorobenzene	U		0.000255	0.00113	1	12/07/2017 03:37	WG1050481
Dichlorodifluoromethane	U		0.000804	0.00563	1	12/07/2017 03:37	WG1050481
1,1-Dichloroethane	U		0.000224	0.00113	1	12/07/2017 03:37	WG1050481
1,2-Dichloroethane	U		0.000299	0.00113	1	12/07/2017 03:37	WG1050481
1,1-Dichloroethene	0.00126		0.000341	0.00113	1	12/07/2017 03:37	WG1050481
cis-1,2-Dichloroethene	1.99		0.00663	0.0282	25	12/11/2017 03:45	WG1050481
trans-1,2-Dichloroethene	0.000552 J	J	0.000298	0.00113	1	12/07/2017 03:37	WG1050481
1,2-Dichloropropane	U		0.000403	0.00113	1	12/07/2017 03:37	WG1050481
1,1-Dichloropropene	U		0.000357	0.00113	1	12/07/2017 03:37	WG1050481
1,3-Dichloropropane	U		0.000233	0.00113	1	12/07/2017 03:37	WG1050481
cis-1,3-Dichloropropene	U		0.000295	0.00113	1	12/07/2017 03:37	WG1050481
trans-1,3-Dichloropropene	U		0.000301	0.00113	1	12/07/2017 03:37	WG1050481
trans-1,4-Dichloro-2-butene	U UJ	J0	0.000877	0.00282	1	12/07/2017 03:37	WG1050481
2,2-Dichloropropane	U		0.000314	0.00113	1	12/07/2017 03:37	WG1050481
Di-isopropyl ether	U		0.000279	0.00113	1	12/07/2017 03:37	WG1050481
Ethylbenzene	U		0.000335	0.00113	1	12/07/2017 03:37	WG1050481
Hexachloro-1,3-butadiene	U		0.000385	0.00113	1	12/07/2017 03:37	WG1050481
2-Hexanone	U		0.00154	0.0113	1	12/07/2017 03:37	WG1050481
n-Hexane	0.00818 J	J	0.000327	0.0113	1	12/07/2017 03:37	WG1050481
Iodomethane	U		0.00285	0.0113	1	12/07/2017 03:37	WG1050481
Isopropylbenzene	U		0.000274	0.00113	1	12/07/2017 03:37	WG1050481
p-Isopropyltoluene	U		0.000230	0.00113	1	12/07/2017 03:37	WG1050481
2-Butanone (MEK)	0.00676 J	J J3	0.00527	0.0113	1	12/07/2017 03:37	WG1050481
Methylene Chloride	U		0.00113	0.00563	1	12/07/2017 03:37	WG1050481
4-Methyl-2-pentanone (MIBK)	U		0.00212	0.0113	1	12/07/2017 03:37	WG1050481

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

	Result (dry)		Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg			mg/kg	mg/kg		date / time	
Methyl tert-butyl ether	U			0.000239	0.00113	1	12/07/2017 03:37	WG1050481
Naphthalene	U	UJ	J0	0.00113	0.00563	1	12/07/2017 03:37	WG1050481
n-Propylbenzene	U			0.000232	0.00113	1	12/07/2017 03:37	WG1050481
Styrene	U			0.000264	0.00113	1	12/07/2017 03:37	WG1050481
1,1,1,2-Tetrachloroethane	U			0.000298	0.00113	1	12/07/2017 03:37	WG1050481
1,1,2,2-Tetrachloroethane	U	UJ	J0	0.000411	0.00113	1	12/07/2017 03:37	WG1050481
1,1,2-Trichlorotrifluoroethane	U			0.000411	0.00113	1	12/07/2017 03:37	WG1050481
Tetrachloroethene	0.0533			0.000311	0.00113	1	12/07/2017 03:37	WG1050481
Toluene	U			0.000489	0.00563	1	12/07/2017 03:37	WG1050481
1,2,3-Trichlorobenzene	U			0.000345	0.00113	1	12/07/2017 03:37	WG1050481
1,2,4-Trichlorobenzene	U			0.000437	0.00113	1	12/07/2017 03:37	WG1050481
1,1,1-Trichloroethane	U			0.000322	0.00113	1	12/07/2017 03:37	WG1050481
1,1,2-Trichloroethane	U			0.000312	0.00113	1	12/07/2017 03:37	WG1050481
Trichloroethene	0.00364			0.000314	0.00113	1	12/07/2017 03:37	WG1050481
Trichlorofluoromethane	U			0.000430	0.00563	1	12/07/2017 03:37	WG1050481
1,2,3-Trichloropropane	U	UJ	J0	0.000835	0.00282	1	12/07/2017 03:37	WG1050481
1,2,4-Trimethylbenzene	U			0.000238	0.00113	1	12/07/2017 03:37	WG1050481
1,2,3-Trimethylbenzene	U			0.000323	0.00113	1	12/07/2017 03:37	WG1050481
1,3,5-Trimethylbenzene	U			0.000300	0.00113	1	12/07/2017 03:37	WG1050481
Vinyl acetate	U	UJ	J0 J3	0.00269	0.0113	1	12/07/2017 03:37	WG1050481
Vinyl chloride	0.106			0.000328	0.00113	1	12/07/2017 03:37	WG1050481
Xylenes, Total	U			0.000787	0.00338	1	12/07/2017 03:37	WG1050481
(S) Toluene-d8	*91.7*				*80.0-120*		*12/07/2017 03:37*	WG1050481
(S) Toluene-d8	*107*				*80.0-120*		*12/11/2017 03:45*	WG1050481
(S) Dibromofluoromethane	*108*				*74.0-131*		*12/07/2017 03:37*	WG1050481
(S) Dibromofluoromethane	*93.1*				*74.0-131*		*12/11/2017 03:45*	WG1050481
(S) 4-Bromofluorobenzene	*101*				*64.0-132*		*12/07/2017 03:37*	WG1050481
(S) 4-Bromofluorobenzene	*93.2*				*64.0-132*		*12/11/2017 03:45*	WG1050481

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Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	82.3		1	12/09/2017 11:27	WG1051549

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0121	0.0607	1	12/07/2017 03:58	WG1050481
Acrylonitrile	U		0.00217	0.0121	1	12/07/2017 03:58	WG1050481
Benzene	U		0.000328	0.00121	1	12/07/2017 03:58	WG1050481
Bromobenzene	U		0.000345	0.00121	1	12/07/2017 03:58	WG1050481
Bromodichloromethane	U		0.000309	0.00121	1	12/07/2017 03:58	WG1050481
Bromochloromethane	U		0.000474	0.00607	1	12/07/2017 03:58	WG1050481
Bromoform	U		0.000515	0.00121	1	12/07/2017 03:58	WG1050481
Bromomethane	U		0.00163	0.00607	1	12/07/2017 03:58	WG1050481
n-Butylbenzene	U		0.000313	0.00121	1	12/07/2017 03:58	WG1050481
sec-Butylbenzene	U		0.000244	0.00121	1	12/07/2017 03:58	WG1050481
tert-Butylbenzene	U		0.000250	0.00121	1	12/07/2017 03:58	WG1050481
Carbon disulfide	U		0.000268	0.00121	1	12/07/2017 03:58	WG1050481
Carbon tetrachloride	U		0.000398	0.00121	1	12/07/2017 03:58	WG1050481
Chlorobenzene	U		0.000257	0.00121	1	12/07/2017 03:58	WG1050481
Chlorodibromomethane	U		0.000453	0.00121	1	12/07/2017 03:58	WG1050481
Chloroethane	U		0.00115	0.00607	1	12/07/2017 03:58	WG1050481
Chloroform	U		0.000278	0.00607	1	12/07/2017 03:58	WG1050481
Chloromethane	U		0.000455	0.00304	1	12/07/2017 03:58	WG1050481
2-Chlorotoluene	U		0.000366	0.00121	1	12/07/2017 03:58	WG1050481
4-Chlorotoluene	U		0.000292	0.00121	1	12/07/2017 03:58	WG1050481
1,2-Dibromo-3-Chloropropane	U		0.00128	0.00607	1	12/07/2017 03:58	WG1050481
1,2-Dibromoethane	U		0.000417	0.00121	1	12/07/2017 03:58	WG1050481
Dibromomethane	U		0.000464	0.00121	1	12/07/2017 03:58	WG1050481
1,2-Dichlorobenzene	U		0.000370	0.00121	1	12/07/2017 03:58	WG1050481
1,3-Dichlorobenzene	U		0.000290	0.00121	1	12/07/2017 03:58	WG1050481
1,4-Dichlorobenzene	U		0.000274	0.00121	1	12/07/2017 03:58	WG1050481
Dichlorodifluoromethane	U		0.000866	0.00607	1	12/07/2017 03:58	WG1050481
1,1-Dichloroethane	U		0.000242	0.00121	1	12/07/2017 03:58	WG1050481
1,2-Dichloroethane	U		0.000322	0.00121	1	12/07/2017 03:58	WG1050481
1,1-Dichloroethene	0.00373		0.000368	0.00121	1	12/07/2017 03:58	WG1050481
cis-1,2-Dichloroethene	2.54	J	0.0143	0.0607	50	12/11/2017 04:06	WG1050481
trans-1,2-Dichloroethene	0.00119	J J	0.000321	0.00121	1	12/07/2017 03:58	WG1050481
1,2-Dichloropropane	U		0.000435	0.00121	1	12/07/2017 03:58	WG1050481
1,1-Dichloropropene	U		0.000385	0.00121	1	12/07/2017 03:58	WG1050481
1,3-Dichloropropane	U		0.000251	0.00121	1	12/07/2017 03:58	WG1050481
cis-1,3-Dichloropropene	U		0.000318	0.00121	1	12/07/2017 03:58	WG1050481
trans-1,3-Dichloropropene	U		0.000324	0.00121	1	12/07/2017 03:58	WG1050481
trans-1,4-Dichloro-2-butene	U	UJ J0	0.000945	0.00304	1	12/07/2017 03:58	WG1050481
2,2-Dichloropropane	U		0.000339	0.00121	1	12/07/2017 03:58	WG1050481
Di-isopropyl ether	U		0.000301	0.00121	1	12/07/2017 03:58	WG1050481
Ethylbenzene	U		0.000361	0.00121	1	12/07/2017 03:58	WG1050481
Hexachloro-1,3-butadiene	U		0.000415	0.00121	1	12/07/2017 03:58	WG1050481
2-Hexanone	U		0.00166	0.0121	1	12/07/2017 03:58	WG1050481
n-Hexane	U		0.000352	0.0121	1	12/07/2017 03:58	WG1050481
Iodomethane	U		0.00307	0.0121	1	12/07/2017 03:58	WG1050481
Isopropylbenzene	U		0.000295	0.00121	1	12/07/2017 03:58	WG1050481
p-Isopropyltoluene	U		0.000248	0.00121	1	12/07/2017 03:58	WG1050481
2-Butanone (MEK)	U	J3	0.00568	0.0121	1	12/07/2017 03:58	WG1050481
Methylene Chloride	U		0.00121	0.00607	1	12/07/2017 03:58	WG1050481
4-Methyl-2-pentanone (MIBK)	U		0.00228	0.0121	1	12/07/2017 03:58	WG1050481

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

Analyte	Result (dry) mg/kg		Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U			0.000257	0.00121	1	12/07/2017 03:58	WG1050481
Naphthalene	U	UJ	J0	0.00121	0.00607	1	12/07/2017 03:58	WG1050481
n-Propylbenzene	U			0.000250	0.00121	1	12/07/2017 03:58	WG1050481
Styrene	U			0.000284	0.00121	1	12/07/2017 03:58	WG1050481
1,1,1,2-Tetrachloroethane	U			0.000321	0.00121	1	12/07/2017 03:58	WG1050481
1,1,2,2-Tetrachloroethane	U	UJ	J0	0.000443	0.00121	1	12/07/2017 03:58	WG1050481
1,1,2-Trichlorotrifluoroethane	U			0.000443	0.00121	1	12/07/2017 03:58	WG1050481
Tetrachloroethene	0.0113			0.000335	0.00121	1	12/07/2017 03:58	WG1050481
Toluene	U			0.000527	0.00607	1	12/07/2017 03:58	WG1050481
1,2,3-Trichlorobenzene	U			0.000372	0.00121	1	12/07/2017 03:58	WG1050481
1,2,4-Trichlorobenzene	U			0.000471	0.00121	1	12/07/2017 03:58	WG1050481
1,1,1-Trichloroethane	U			0.000347	0.00121	1	12/07/2017 03:58	WG1050481
1,1,2-Trichloroethane	U			0.000336	0.00121	1	12/07/2017 03:58	WG1050481
Trichloroethene	0.00161			0.000339	0.00121	1	12/07/2017 03:58	WG1050481
Trichlorofluoromethane	U			0.000464	0.00607	1	12/07/2017 03:58	WG1050481
1,2,3-Trichloropropane	U	UJ	J0	0.000900	0.00304	1	12/07/2017 03:58	WG1050481
1,2,4-Trimethylbenzene	U			0.000256	0.00121	1	12/07/2017 03:58	WG1050481
1,2,3-Trimethylbenzene	U			0.000349	0.00121	1	12/07/2017 03:58	WG1050481
1,3,5-Trimethylbenzene	U			0.000323	0.00121	1	12/07/2017 03:58	WG1050481
Vinyl acetate	U	UJ	J0 J3	0.00290	0.0121	1	12/07/2017 03:58	WG1050481
Vinyl chloride	0.167	J		0.000353	0.00121	1	12/07/2017 03:58	WG1050481
Xylenes, Total	U			0.000848	0.00364	1	12/07/2017 03:58	WG1050481
(S) Toluene-d8	*103*				*80.0-120*		*12/11/2017 04:06*	WG1050481
(S) Toluene-d8	*92.7*				*80.0-120*		*12/07/2017 03:58*	WG1050481
(S) Dibromofluoromethane	*92.7*				*74.0-131*		*12/11/2017 04:06*	WG1050481
(S) Dibromofluoromethane	*109*				*74.0-131*		*12/07/2017 03:58*	WG1050481
(S) 4-Bromofluorobenzene	*96.4*				*64.0-132*		*12/11/2017 04:06*	WG1050481
(S) 4-Bromofluorobenzene	*101*				*64.0-132*		*12/07/2017 03:58*	WG1050481

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Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	90.0		1	12/09/2017 11:27	WG1051549

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0120	0.0600	1.08	12/07/2017 04:19	WG1050481
Acrylonitrile	U		0.00215	0.0120	1.08	12/07/2017 04:19	WG1050481
Benzene	U		0.000325	0.00120	1.08	12/07/2017 04:19	WG1050481
Bromobenzene	U		0.000341	0.00120	1.08	12/07/2017 04:19	WG1050481
Bromodichloromethane	U		0.000305	0.00120	1.08	12/07/2017 04:19	WG1050481
Bromochloromethane	U		0.000468	0.00600	1.08	12/07/2017 04:19	WG1050481
Bromoform	U		0.000509	0.00120	1.08	12/07/2017 04:19	WG1050481
Bromomethane	U		0.00161	0.00600	1.08	12/07/2017 04:19	WG1050481
n-Butylbenzene	U		0.000310	0.00120	1.08	12/07/2017 04:19	WG1050481
sec-Butylbenzene	U		0.000241	0.00120	1.08	12/07/2017 04:19	WG1050481
tert-Butylbenzene	U		0.000247	0.00120	1.08	12/07/2017 04:19	WG1050481
Carbon disulfide	U		0.000266	0.00120	1.08	12/07/2017 04:19	WG1050481
Carbon tetrachloride	U		0.000393	0.00120	1.08	12/07/2017 04:19	WG1050481
Chlorobenzene	U		0.000255	0.00120	1.08	12/07/2017 04:19	WG1050481
Chlorodibromomethane	U		0.000448	0.00120	1.08	12/07/2017 04:19	WG1050481
Chloroethane	U		0.00113	0.00600	1.08	12/07/2017 04:19	WG1050481
Chloroform	U		0.000275	0.00600	1.08	12/07/2017 04:19	WG1050481
Chloromethane	U		0.000450	0.00300	1.08	12/07/2017 04:19	WG1050481
2-Chlorotoluene	U		0.000361	0.00120	1.08	12/07/2017 04:19	WG1050481
4-Chlorotoluene	U		0.000288	0.00120	1.08	12/07/2017 04:19	WG1050481
1,2-Dibromo-3-Chloropropane	U		0.00126	0.00600	1.08	12/07/2017 04:19	WG1050481
1,2-Dibromoethane	U		0.000411	0.00120	1.08	12/07/2017 04:19	WG1050481
Dibromomethane	U		0.000458	0.00120	1.08	12/07/2017 04:19	WG1050481
1,2-Dichlorobenzene	U		0.000366	0.00120	1.08	12/07/2017 04:19	WG1050481
1,3-Dichlorobenzene	U		0.000287	0.00120	1.08	12/07/2017 04:19	WG1050481
1,4-Dichlorobenzene	U		0.000271	0.00120	1.08	12/07/2017 04:19	WG1050481
Dichlorodifluoromethane	U		0.000856	0.00600	1.08	12/07/2017 04:19	WG1050481
1,1-Dichloroethane	U		0.000239	0.00120	1.08	12/07/2017 04:19	WG1050481
1,2-Dichloroethane	U		0.000318	0.00120	1.08	12/07/2017 04:19	WG1050481
1,1-Dichloroethene	U		0.000363	0.00120	1.08	12/07/2017 04:19	WG1050481
cis-1,2-Dichloroethene	U		0.000261	0.00111	1	12/10/2017 16:44	WG1050481
trans-1,2-Dichloroethene	U		0.000317	0.00120	1.08	12/07/2017 04:19	WG1050481
1,2-Dichloropropane	U		0.000430	0.00120	1.08	12/07/2017 04:19	WG1050481
1,1-Dichloropropene	U		0.000380	0.00120	1.08	12/07/2017 04:19	WG1050481
1,3-Dichloropropane	U		0.000249	0.00120	1.08	12/07/2017 04:19	WG1050481
cis-1,3-Dichloropropene	U		0.000315	0.00120	1.08	12/07/2017 04:19	WG1050481
trans-1,3-Dichloropropene	U		0.000320	0.00120	1.08	12/07/2017 04:19	WG1050481
trans-1,4-Dichloro-2-butene	U UJ	J0	0.000934	0.00300	1.08	12/07/2017 04:19	WG1050481
2,2-Dichloropropane	U		0.000335	0.00120	1.08	12/07/2017 04:19	WG1050481
Di-isopropyl ether	U		0.000298	0.00120	1.08	12/07/2017 04:19	WG1050481
Ethylbenzene	U		0.000357	0.00120	1.08	12/07/2017 04:19	WG1050481
Hexachloro-1,3-butadiene	U		0.000410	0.00120	1.08	12/07/2017 04:19	WG1050481
2-Hexanone	U		0.00164	0.0120	1.08	12/07/2017 04:19	WG1050481
n-Hexane	U		0.000348	0.0120	1.08	12/07/2017 04:19	WG1050481
Iodomethane	U		0.00303	0.0120	1.08	12/07/2017 04:19	WG1050481
Isopropylbenzene	U		0.000291	0.00120	1.08	12/07/2017 04:19	WG1050481
p-Isopropyltoluene	U		0.000245	0.00120	1.08	12/07/2017 04:19	WG1050481
2-Butanone (MEK)	U	J3	0.00561	0.0120	1.08	12/07/2017 04:19	WG1050481
Methylene Chloride	U		0.00120	0.00600	1.08	12/07/2017 04:19	WG1050481
4-Methyl-2-pentanone (MIBK)	U		0.00226	0.0120	1.08	12/07/2017 04:19	WG1050481

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B-235-15
Collected date/time: 12/04/17 15:10

SAMPLE RESULTS - 08

L955420

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000255	0.00120	1.08	12/07/2017 04:19	WG1050481
Naphthalene	U UJ	J0	0.00120	0.00600	1.08	12/07/2017 04:19	WG1050481
n-Propylbenzene	U		0.000247	0.00120	1.08	12/07/2017 04:19	WG1050481
Styrene	U		0.000281	0.00120	1.08	12/07/2017 04:19	WG1050481
1,1,1,2-Tetrachloroethane	U		0.000317	0.00120	1.08	12/07/2017 04:19	WG1050481
1,1,2,2-Tetrachloroethane	U UJ	J0	0.000438	0.00120	1.08	12/07/2017 04:19	WG1050481
1,1,2-Trichlorotrifluoroethane	U		0.000438	0.00120	1.08	12/07/2017 04:19	WG1050481
Tetrachloroethene	0.0393		0.000331	0.00120	1.08	12/07/2017 04:19	WG1050481
Toluene	U		0.000521	0.00600	1.08	12/07/2017 04:19	WG1050481
1,2,3-Trichlorobenzene	U		0.000367	0.00120	1.08	12/07/2017 04:19	WG1050481
1,2,4-Trichlorobenzene	U		0.000466	0.00120	1.08	12/07/2017 04:19	WG1050481
1,1,1-Trichloroethane	U		0.000343	0.00120	1.08	12/07/2017 04:19	WG1050481
1,1,2-Trichloroethane	U		0.000332	0.00120	1.08	12/07/2017 04:19	WG1050481
Trichloroethene	0.000776 J	J	0.000335	0.00120	1.08	12/07/2017 04:19	WG1050481
Trichlorofluoromethane	U		0.000458	0.00600	1.08	12/07/2017 04:19	WG1050481
1,2,3-Trichloropropane	U UJ	J0	0.000889	0.00300	1.08	12/07/2017 04:19	WG1050481
1,2,4-Trimethylbenzene	U		0.000253	0.00120	1.08	12/07/2017 04:19	WG1050481
1,2,3-Trimethylbenzene	U		0.000345	0.00120	1.08	12/07/2017 04:19	WG1050481
1,3,5-Trimethylbenzene	U		0.000319	0.00120	1.08	12/07/2017 04:19	WG1050481
Vinyl acetate	U UJ	J0 J3	0.00287	0.0120	1.08	12/07/2017 04:19	WG1050481
Vinyl chloride	U		0.000349	0.00120	1.08	12/07/2017 04:19	WG1050481
Xylenes, Total	U		0.000838	0.00360	1.08	12/07/2017 04:19	WG1050481
(S) Toluene-d8	*91.6*			*80.0-120*		*12/07/2017 04:19*	WG1050481
(S) Toluene-d8	*95.0*			*80.0-120*		*12/10/2017 16:44*	WG1050481
(S) Dibromofluoromethane	*119*			*74.0-131*		*12/10/2017 16:44*	WG1050481
(S) Dibromofluoromethane	*110*			*74.0-131*		*12/07/2017 04:19*	WG1050481
(S) 4-Bromofluorobenzene	*101*			*64.0-132*		*12/10/2017 16:44*	WG1050481
(S) 4-Bromofluorobenzene	*98.0*			*64.0-132*		*12/07/2017 04:19*	WG1050481

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Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	90.3		1	12/09/2017 11:27	WG1051549

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0111	0.0554	1	12/10/2017 17:04	WG1050481
Acrylonitrile	U		0.00198	0.0111	1	12/10/2017 17:04	WG1050481
Benzene	U		0.000299	0.00111	1	12/10/2017 17:04	WG1050481
Bromobenzene	U		0.000314	0.00111	1	12/10/2017 17:04	WG1050481
Bromodichloromethane	U		0.000281	0.00111	1	12/10/2017 17:04	WG1050481
Bromochloromethane	U		0.000432	0.00554	1	12/10/2017 17:04	WG1050481
Bromoform	U		0.000469	0.00111	1	12/10/2017 17:04	WG1050481
Bromomethane	U		0.00148	0.00554	1	12/10/2017 17:04	WG1050481
n-Butylbenzene	U		0.000286	0.00111	1	12/10/2017 17:04	WG1050481
sec-Butylbenzene	U		0.000223	0.00111	1	12/10/2017 17:04	WG1050481
tert-Butylbenzene	U		0.000228	0.00111	1	12/10/2017 17:04	WG1050481
Carbon disulfide	U		0.000245	0.00111	1	12/10/2017 17:04	WG1050481
Carbon tetrachloride	U		0.000363	0.00111	1	12/10/2017 17:04	WG1050481
Chlorobenzene	U		0.000235	0.00111	1	12/10/2017 17:04	WG1050481
Chlorodibromomethane	U		0.000413	0.00111	1	12/10/2017 17:04	WG1050481
Chloroethane	U		0.00105	0.00554	1	12/10/2017 17:04	WG1050481
Chloroform	U		0.000254	0.00554	1	12/10/2017 17:04	WG1050481
Chloromethane	U		0.000415	0.00277	1	12/10/2017 17:04	WG1050481
2-Chlorotoluene	U		0.000333	0.00111	1	12/10/2017 17:04	WG1050481
4-Chlorotoluene	U		0.000266	0.00111	1	12/10/2017 17:04	WG1050481
1,2-Dibromo-3-Chloropropane	U		0.00116	0.00554	1	12/10/2017 17:04	WG1050481
1,2-Dibromoethane	U		0.000380	0.00111	1	12/10/2017 17:04	WG1050481
Dibromomethane	U		0.000423	0.00111	1	12/10/2017 17:04	WG1050481
1,2-Dichlorobenzene	U		0.000338	0.00111	1	12/10/2017 17:04	WG1050481
1,3-Dichlorobenzene	U		0.000265	0.00111	1	12/10/2017 17:04	WG1050481
1,4-Dichlorobenzene	U		0.000250	0.00111	1	12/10/2017 17:04	WG1050481
Dichlorodifluoromethane	U		0.000789	0.00554	1	12/10/2017 17:04	WG1050481
1,1-Dichloroethane	U		0.000220	0.00111	1	12/10/2017 17:04	WG1050481
1,2-Dichloroethane	U		0.000293	0.00111	1	12/10/2017 17:04	WG1050481
1,1-Dichloroethene	U		0.000335	0.00111	1	12/10/2017 17:04	WG1050481
cis-1,2-Dichloroethene	0.000746 J	J	0.000260	0.00111	1	12/10/2017 17:04	WG1050481
trans-1,2-Dichloroethene	U		0.000292	0.00111	1	12/10/2017 17:04	WG1050481
1,2-Dichloropropane	U		0.000396	0.00111	1	12/10/2017 17:04	WG1050481
1,1-Dichloropropene	U		0.000351	0.00111	1	12/10/2017 17:04	WG1050481
1,3-Dichloropropane	U		0.000229	0.00111	1	12/10/2017 17:04	WG1050481
cis-1,3-Dichloropropene	U		0.000290	0.00111	1	12/10/2017 17:04	WG1050481
trans-1,3-Dichloropropene	U		0.000296	0.00111	1	12/10/2017 17:04	WG1050481
trans-1,4-Dichloro-2-butene	U		0.000861	0.00277	1	12/10/2017 17:04	WG1050481
2,2-Dichloropropane	U		0.000309	0.00111	1	12/10/2017 17:04	WG1050481
Di-isopropyl ether	U		0.000275	0.00111	1	12/10/2017 17:04	WG1050481
Ethylbenzene	U		0.000329	0.00111	1	12/10/2017 17:04	WG1050481
Hexachloro-1,3-butadiene	U		0.000379	0.00111	1	12/10/2017 17:04	WG1050481
2-Hexanone	U		0.00152	0.0111	1	12/10/2017 17:04	WG1050481
n-Hexane	U		0.000321	0.0111	1	12/10/2017 17:04	WG1050481
Iodomethane	U		0.00280	0.0111	1	12/10/2017 17:04	WG1050481
Isopropylbenzene	U		0.000269	0.00111	1	12/10/2017 17:04	WG1050481
p-Isopropyltoluene	U		0.000226	0.00111	1	12/10/2017 17:04	WG1050481
2-Butanone (MEK)	U	J3	0.00518	0.0111	1	12/10/2017 17:04	WG1050481
Methylene Chloride	U		0.00111	0.00554	1	12/10/2017 17:04	WG1050481
4-Methyl-2-pentanone (MIBK)	U		0.00208	0.0111	1	12/10/2017 17:04	WG1050481

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000235	0.00111	1	12/10/2017 17:04	WG1050481
Naphthalene	U		0.00111	0.00554	1	12/10/2017 17:04	WG1050481
n-Propylbenzene	U		0.000228	0.00111	1	12/10/2017 17:04	WG1050481
Styrene	U		0.000259	0.00111	1	12/10/2017 17:04	WG1050481
1,1,1,2-Tetrachloroethane	U		0.000292	0.00111	1	12/10/2017 17:04	WG1050481
1,1,2,2-Tetrachloroethane	U		0.000404	0.00111	1	12/10/2017 17:04	WG1050481
1,1,2-Trichlorotrifluoroethane	U		0.000404	0.00111	1	12/10/2017 17:04	WG1050481
Tetrachloroethene	0.0424		0.000306	0.00111	1	12/10/2017 17:04	WG1050481
Toluene	U		0.000480	0.00554	1	12/10/2017 17:04	WG1050481
1,2,3-Trichlorobenzene	U		0.000339	0.00111	1	12/10/2017 17:04	WG1050481
1,2,4-Trichlorobenzene	U		0.000430	0.00111	1	12/10/2017 17:04	WG1050481
1,1,1-Trichloroethane	U		0.000317	0.00111	1	12/10/2017 17:04	WG1050481
1,1,2-Trichloroethane	U		0.000307	0.00111	1	12/10/2017 17:04	WG1050481
Trichloroethene	0.00527		0.000309	0.00111	1	12/10/2017 17:04	WG1050481
Trichlorofluoromethane	U		0.000423	0.00554	1	12/10/2017 17:04	WG1050481
1,2,3-Trichloropropane	U		0.000820	0.00277	1	12/10/2017 17:04	WG1050481
1,2,4-Trimethylbenzene	U		0.000234	0.00111	1	12/10/2017 17:04	WG1050481
1,2,3-Trimethylbenzene	U		0.000318	0.00111	1	12/10/2017 17:04	WG1050481
1,3,5-Trimethylbenzene	U		0.000294	0.00111	1	12/10/2017 17:04	WG1050481
Vinyl acetate	U	J3	0.00265	0.0111	1	12/10/2017 17:04	WG1050481
Vinyl chloride	U		0.000322	0.00111	1	12/10/2017 17:04	WG1050481
Xylenes, Total	U		0.000773	0.00332	1	12/10/2017 17:04	WG1050481
(S) Toluene-d8	*95.4*			*80.0-120*		*12/10/2017 17:04*	WG1050481
(S) Dibromofluoromethane	*119*			*74.0-131*		*12/10/2017 17:04*	WG1050481
(S) 4-Bromofluorobenzene	*100*			*64.0-132*		*12/10/2017 17:04*	WG1050481

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

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Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	91.2		1	12/11/2017 15:49	WG1051550

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0110	0.0548	1	12/10/2017 17:24	WG1050481
Acrylonitrile	U		0.00196	0.0110	1	12/10/2017 17:24	WG1050481
Benzene	0.000326 J	J	0.000296	0.00110	1	12/10/2017 17:24	WG1050481
Bromobenzene	U		0.000311	0.00110	1	12/10/2017 17:24	WG1050481
Bromodichloromethane	U		0.000278	0.00110	1	12/10/2017 17:24	WG1050481
Bromochloromethane	U		0.000427	0.00548	1	12/10/2017 17:24	WG1050481
Bromoform	U		0.000465	0.00110	1	12/10/2017 17:24	WG1050481
Bromomethane	U		0.00147	0.00548	1	12/10/2017 17:24	WG1050481
n-Butylbenzene	U		0.000283	0.00110	1	12/10/2017 17:24	WG1050481
sec-Butylbenzene	U		0.000220	0.00110	1	12/10/2017 17:24	WG1050481
tert-Butylbenzene	U		0.000226	0.00110	1	12/10/2017 17:24	WG1050481
Carbon disulfide	0.000472 J	J	0.000242	0.00110	1	12/10/2017 17:24	WG1050481
Carbon tetrachloride	U		0.000360	0.00110	1	12/10/2017 17:24	WG1050481
Chlorobenzene	U		0.000232	0.00110	1	12/10/2017 17:24	WG1050481
Chlorodibromomethane	U		0.000409	0.00110	1	12/10/2017 17:24	WG1050481
Chloroethane	U		0.00104	0.00548	1	12/10/2017 17:24	WG1050481
Chloroform	U		0.000251	0.00548	1	12/10/2017 17:24	WG1050481
Chloromethane	U		0.000411	0.00274	1	12/10/2017 17:24	WG1050481
2-Chlorotoluene	U		0.000330	0.00110	1	12/10/2017 17:24	WG1050481
4-Chlorotoluene	U		0.000263	0.00110	1	12/10/2017 17:24	WG1050481
1,2-Dibromo-3-Chloropropane	U		0.00115	0.00548	1	12/10/2017 17:24	WG1050481
1,2-Dibromoethane	U		0.000376	0.00110	1	12/10/2017 17:24	WG1050481
Dibromomethane	U		0.000419	0.00110	1	12/10/2017 17:24	WG1050481
1,2-Dichlorobenzene	U		0.000334	0.00110	1	12/10/2017 17:24	WG1050481
1,3-Dichlorobenzene	U		0.000262	0.00110	1	12/10/2017 17:24	WG1050481
1,4-Dichlorobenzene	U		0.000248	0.00110	1	12/10/2017 17:24	WG1050481
Dichlorodifluoromethane	U		0.000782	0.00548	1	12/10/2017 17:24	WG1050481
1,1-Dichloroethane	U		0.000218	0.00110	1	12/10/2017 17:24	WG1050481
1,2-Dichloroethane	U		0.000290	0.00110	1	12/10/2017 17:24	WG1050481
1,1-Dichloroethene	U		0.000332	0.00110	1	12/10/2017 17:24	WG1050481
cis-1,2-Dichloroethene	0.00618		0.000258	0.00110	1	12/10/2017 17:24	WG1050481
trans-1,2-Dichloroethene	U		0.000289	0.00110	1	12/10/2017 17:24	WG1050481
1,2-Dichloropropane	U		0.000392	0.00110	1	12/10/2017 17:24	WG1050481
1,1-Dichloropropene	U		0.000347	0.00110	1	12/10/2017 17:24	WG1050481
1,3-Dichloropropane	U		0.000227	0.00110	1	12/10/2017 17:24	WG1050481
cis-1,3-Dichloropropene	U		0.000287	0.00110	1	12/10/2017 17:24	WG1050481
trans-1,3-Dichloropropene	U		0.000293	0.00110	1	12/10/2017 17:24	WG1050481
trans-1,4-Dichloro-2-butene	U		0.000853	0.00274	1	12/10/2017 17:24	WG1050481
2,2-Dichloropropane	U		0.000306	0.00110	1	12/10/2017 17:24	WG1050481
Di-isopropyl ether	U		0.000272	0.00110	1	12/10/2017 17:24	WG1050481
Ethylbenzene	U		0.000326	0.00110	1	12/10/2017 17:24	WG1050481
Hexachloro-1,3-butadiene	U		0.000375	0.00110	1	12/10/2017 17:24	WG1050481
2-Hexanone	U		0.00150	0.0110	1	12/10/2017 17:24	WG1050481
n-Hexane	0.000757 J	J	0.000318	0.0110	1	12/10/2017 17:24	WG1050481
Iodomethane	U		0.00277	0.0110	1	12/10/2017 17:24	WG1050481
Isopropylbenzene	U		0.000266	0.00110	1	12/10/2017 17:24	WG1050481
p-Isopropyltoluene	U		0.000224	0.00110	1	12/10/2017 17:24	WG1050481
2-Butanone (MEK)	U	J3	0.00513	0.0110	1	12/10/2017 17:24	WG1050481
Methylene Chloride	U		0.00110	0.00548	1	12/10/2017 17:24	WG1050481
4-Methyl-2-pentanone (MIBK)	U		0.00206	0.0110	1	12/10/2017 17:24	WG1050481

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000232	0.00110	1	12/10/2017 17:24	WG1050481
Naphthalene	U		0.00110	0.00548	1	12/10/2017 17:24	WG1050481
n-Propylbenzene	U		0.000226	0.00110	1	12/10/2017 17:24	WG1050481
Styrene	U		0.000256	0.00110	1	12/10/2017 17:24	WG1050481
1,1,1,2-Tetrachloroethane	U		0.000289	0.00110	1	12/10/2017 17:24	WG1050481
1,1,2,2-Tetrachloroethane	U		0.000400	0.00110	1	12/10/2017 17:24	WG1050481
1,1,2-Trichlorotrifluoroethane	U		0.000400	0.00110	1	12/10/2017 17:24	WG1050481
Tetrachloroethene	2.24		0.00756	0.0274	25	12/11/2017 18:04	WG1050481
Toluene	U		0.000476	0.00548	1	12/10/2017 17:24	WG1050481
1,2,3-Trichlorobenzene	U		0.000335	0.00110	1	12/10/2017 17:24	WG1050481
1,2,4-Trichlorobenzene	U		0.000425	0.00110	1	12/10/2017 17:24	WG1050481
1,1,1-Trichloroethane	U		0.000313	0.00110	1	12/10/2017 17:24	WG1050481
1,1,2-Trichloroethane	U		0.000304	0.00110	1	12/10/2017 17:24	WG1050481
Trichloroethene	0.0233		0.000306	0.00110	1	12/10/2017 17:24	WG1050481
Trichlorofluoromethane	U		0.000419	0.00548	1	12/10/2017 17:24	WG1050481
1,2,3-Trichloropropane	U		0.000812	0.00274	1	12/10/2017 17:24	WG1050481
1,2,4-Trimethylbenzene	U		0.000231	0.00110	1	12/10/2017 17:24	WG1050481
1,2,3-Trimethylbenzene	U		0.000315	0.00110	1	12/10/2017 17:24	WG1050481
1,3,5-Trimethylbenzene	U		0.000292	0.00110	1	12/10/2017 17:24	WG1050481
Vinyl acetate	U	J3	0.00262	0.0110	1	12/10/2017 17:24	WG1050481
Vinyl chloride	U		0.000319	0.00110	1	12/10/2017 17:24	WG1050481
Xylenes, Total	U		0.000765	0.00329	1	12/10/2017 17:24	WG1050481
(S) Toluene-d8	*95.2*			*80.0-120*		*12/11/2017 18:04*	WG1050481
(S) Toluene-d8	*96.6*			*80.0-120*		*12/10/2017 17:24*	WG1050481
(S) Dibromofluoromethane	*115*			*74.0-131*		*12/10/2017 17:24*	WG1050481
(S) Dibromofluoromethane	*99.5*			*74.0-131*		*12/11/2017 18:04*	WG1050481
(S) 4-Bromofluorobenzene	*100*			*64.0-132*		*12/10/2017 17:24*	WG1050481
(S) 4-Bromofluorobenzene	*98.8*			*64.0-132*		*12/11/2017 18:04*	WG1050481

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

JC 12/21/17

B-235-42.5

Collected date/time: 12/05/17 09:35

SAMPLE RESULTS - 11

L955420

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

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	91.6		1	12/11/2017 15:49	WG1051550

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		2.18	10.9	200	12/12/2017 14:08	WG1050481
Acrylonitrile	U		0.391	2.18	200	12/12/2017 14:08	WG1050481
Benzene	U		0.0590	0.218	200	12/12/2017 14:08	WG1050481
Bromobenzene	U		0.0620	0.218	200	12/12/2017 14:08	WG1050481
Bromodichloromethane	U		0.0555	0.218	200	12/12/2017 14:08	WG1050481
Bromochloromethane	U		0.0852	1.09	200	12/12/2017 14:08	WG1050481
Bromoform	U		0.0926	0.218	200	12/12/2017 14:08	WG1050481
Bromomethane	U		0.293	1.09	200	12/12/2017 14:08	WG1050481
n-Butylbenzene	U		0.0563	0.218	200	12/12/2017 14:08	WG1050481
sec-Butylbenzene	U		0.0439	0.218	200	12/12/2017 14:08	WG1050481
tert-Butylbenzene	U		0.0450	0.218	200	12/12/2017 14:08	WG1050481
Carbon disulfide	U		0.0483	0.218	200	12/12/2017 14:08	WG1050481
Carbon tetrachloride	U		0.0716	0.218	200	12/12/2017 14:08	WG1050481
Chlorobenzene	U		0.0463	0.218	200	12/12/2017 14:08	WG1050481
Chlorodibromomethane	U		0.0815	0.218	200	12/12/2017 14:08	WG1050481
Chloroethane	U		0.206	1.09	200	12/12/2017 14:08	WG1050481
Chloroform	U		0.0500	1.09	200	12/12/2017 14:08	WG1050481
Chloromethane	U		0.0819	0.546	200	12/12/2017 14:08	WG1050481
2-Chlorotoluene	U		0.0657	0.218	200	12/12/2017 14:08	WG1050481
4-Chlorotoluene	U		0.0524	0.218	200	12/12/2017 14:08	WG1050481
1,2-Dibromo-3-Chloropropane	U		0.229	1.09	200	12/12/2017 14:08	WG1050481
1,2-Dibromoethane	U		0.0749	0.218	200	12/12/2017 14:08	WG1050481
Dibromomethane	U		0.0834	0.218	200	12/12/2017 14:08	WG1050481
1,2-Dichlorobenzene	U		0.0666	0.218	200	12/12/2017 14:08	WG1050481
1,3-Dichlorobenzene	U		0.0522	0.218	200	12/12/2017 14:08	WG1050481
1,4-Dichlorobenzene	U		0.0494	0.218	200	12/12/2017 14:08	WG1050481
Dichlorodifluoromethane	U		0.156	1.09	200	12/12/2017 14:08	WG1050481
1,1-Dichloroethane	U		0.0435	0.218	200	12/12/2017 14:08	WG1050481
1,2-Dichloroethane	U		0.0579	0.218	200	12/12/2017 14:08	WG1050481
1,1-Dichloroethene	U		0.0662	0.218	200	12/12/2017 14:08	WG1050481
cis-1,2-Dichloroethene	2.07		0.0513	0.218	200	12/12/2017 14:08	WG1050481
trans-1,2-Dichloroethene	U		0.0577	0.218	200	12/12/2017 14:08	WG1050481
1,2-Dichloropropane	U		0.0782	0.218	200	12/12/2017 14:08	WG1050481
1,1-Dichloropropene	U		0.0692	0.218	200	12/12/2017 14:08	WG1050481
1,3-Dichloropropane	U		0.0452	0.218	200	12/12/2017 14:08	WG1050481
cis-1,3-Dichloropropene	U		0.0572	0.218	200	12/12/2017 14:08	WG1050481
trans-1,3-Dichloropropene	U		0.0583	0.218	200	12/12/2017 14:08	WG1050481
trans-1,4-Dichloro-2-butene	U UJ	J0	0.170	0.546	200	12/12/2017 14:08	WG1050481
2,2-Dichloropropane	U		0.0609	0.218	200	12/12/2017 14:08	WG1050481
Di-isopropyl ether	U		0.0542	0.218	200	12/12/2017 14:08	WG1050481
Ethylbenzene	U		0.0649	0.218	200	12/12/2017 14:08	WG1050481
Hexachloro-1,3-butadiene	U		0.0747	0.218	200	12/12/2017 14:08	WG1050481
2-Hexanone	U		0.299	2.18	200	12/12/2017 14:08	WG1050481
n-Hexane	U		0.0633	2.18	200	12/12/2017 14:08	WG1050481
Iodomethane	U		0.553	2.18	200	12/12/2017 14:08	WG1050481
Isopropylbenzene	U		0.0531	0.218	200	12/12/2017 14:08	WG1050481
p-Isopropyltoluene	U		0.0446	0.218	200	12/12/2017 14:08	WG1050481
2-Butanone (MEK)	U	J3	1.02	2.18	200	12/12/2017 14:08	WG1050481
Methylene Chloride	U		0.218	1.09	200	12/12/2017 14:08	WG1050481
4-Methyl-2-pentanone (MIBK)	U		0.411	2.18	200	12/12/2017 14:08	WG1050481

JC 12/21/17

B-235-42.5

Collected date/time: 12/05/17 09:35

SAMPLE RESULTS - 11

L955420

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

Analyte	Result (dry) mg/kg		Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U			0.0463	0.218	200	12/12/2017 14:08	WG1050481
Naphthalene	U	UJ	J0	0.218	1.09	200	12/12/2017 14:08	WG1050481
n-Propylbenzene	U			0.0450	0.218	200	12/12/2017 14:08	WG1050481
Styrene	U			0.0511	0.218	200	12/12/2017 14:08	WG1050481
1,1,1,2-Tetrachloroethane	U			0.0577	0.218	200	12/12/2017 14:08	WG1050481
1,1,2,2-Tetrachloroethane	U			0.0797	0.218	200	12/12/2017 14:08	WG1050481
1,1,2-Trichlorotrifluoroethane	U			0.0797	0.218	200	12/12/2017 14:08	WG1050481
Tetrachloroethene	18.9			0.0603	0.218	200	12/12/2017 14:08	WG1050481
Toluene	U			0.0948	1.09	200	12/12/2017 14:08	WG1050481
1,2,3-Trichlorobenzene	U			0.0668	0.218	200	12/12/2017 14:08	WG1050481
1,2,4-Trichlorobenzene	U			0.0847	0.218	200	12/12/2017 14:08	WG1050481
1,1,1-Trichloroethane	U			0.0625	0.218	200	12/12/2017 14:08	WG1050481
1,1,2-Trichloroethane	U			0.0605	0.218	200	12/12/2017 14:08	WG1050481
Trichloroethene	1.06			0.0609	0.218	200	12/12/2017 14:08	WG1050481
Trichlorofluoromethane	U			0.0834	1.09	200	12/12/2017 14:08	WG1050481
1,2,3-Trichloropropane	U	UJ	J0	0.162	0.546	200	12/12/2017 14:08	WG1050481
1,2,4-Trimethylbenzene	U			0.0461	0.218	200	12/12/2017 14:08	WG1050481
1,2,3-Trimethylbenzene	U			0.0627	0.218	200	12/12/2017 14:08	WG1050481
1,3,5-Trimethylbenzene	U			0.0581	0.218	200	12/12/2017 14:08	WG1050481
Vinyl acetate	U		J3	0.522	2.18	200	12/12/2017 14:08	WG1050481
Vinyl chloride	0.0877	J	J	0.0635	0.218	200	12/12/2017 14:08	WG1050481
Xylenes, Total	U			0.153	0.655	200	12/12/2017 14:08	WG1050481
(S) Toluene-d8	*97.3*				*80.0-120*		*12/12/2017 14:08*	WG1050481
(S) Dibromofluoromethane	*99.2*				*74.0-131*		*12/12/2017 14:08*	WG1050481
(S) 4-Bromofluorobenzene	*96.8*				*64.0-132*		*12/12/2017 14:08*	WG1050481

Sample Narrative:

L955420-11 WG1050481: Cannot be analyzed at a lower dilution due to high levels of target analytes.

JC 12/21/17

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

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	88.8		1	12/11/2017 15:49	WG1051550

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0563	1	12/07/2017 05:44	WG1050481
Acrylonitrile	U		0.00202	0.0113	1	12/07/2017 05:44	WG1050481
Benzene	U		0.000304	0.00113	1	12/07/2017 05:44	WG1050481
Bromobenzene	U		0.000320	0.00113	1	12/07/2017 05:44	WG1050481
Bromodichloromethane	U		0.000286	0.00113	1	12/07/2017 05:44	WG1050481
Bromochloromethane	U		0.000439	0.00563	1	12/07/2017 05:44	WG1050481
Bromoform	U		0.000477	0.00113	1	12/07/2017 05:44	WG1050481
Bromomethane	U		0.00151	0.00563	1	12/07/2017 05:44	WG1050481
n-Butylbenzene	U		0.000291	0.00113	1	12/07/2017 05:44	WG1050481
sec-Butylbenzene	U		0.000226	0.00113	1	12/07/2017 05:44	WG1050481
tert-Butylbenzene	U		0.000232	0.00113	1	12/07/2017 05:44	WG1050481
Carbon disulfide	0.000767 J	J	0.000249	0.00113	1	12/07/2017 05:44	WG1050481
Carbon tetrachloride	U		0.000369	0.00113	1	12/07/2017 05:44	WG1050481
Chlorobenzene	U		0.000239	0.00113	1	12/07/2017 05:44	WG1050481
Chlorodibromomethane	U		0.000420	0.00113	1	12/07/2017 05:44	WG1050481
Chloroethane	U		0.00107	0.00563	1	12/07/2017 05:44	WG1050481
Chloroform	U		0.000258	0.00563	1	12/07/2017 05:44	WG1050481
Chloromethane	U		0.000422	0.00282	1	12/07/2017 05:44	WG1050481
2-Chlorotoluene	U		0.000339	0.00113	1	12/07/2017 05:44	WG1050481
4-Chlorotoluene	U		0.000270	0.00113	1	12/07/2017 05:44	WG1050481
1,2-Dibromo-3-Chloropropane	U		0.00118	0.00563	1	12/07/2017 05:44	WG1050481
1,2-Dibromoethane	U		0.000386	0.00113	1	12/07/2017 05:44	WG1050481
Dibromomethane	U		0.000430	0.00113	1	12/07/2017 05:44	WG1050481
1,2-Dichlorobenzene	U		0.000343	0.00113	1	12/07/2017 05:44	WG1050481
1,3-Dichlorobenzene	U		0.000269	0.00113	1	12/07/2017 05:44	WG1050481
1,4-Dichlorobenzene	U		0.000255	0.00113	1	12/07/2017 05:44	WG1050481
Dichlorodifluoromethane	U		0.000803	0.00563	1	12/07/2017 05:44	WG1050481
1,1-Dichloroethane	U		0.000224	0.00113	1	12/07/2017 05:44	WG1050481
1,2-Dichloroethane	U		0.000298	0.00113	1	12/07/2017 05:44	WG1050481
1,1-Dichloroethene	0.00276		0.000341	0.00113	1	12/07/2017 05:44	WG1050481
cis-1,2-Dichloroethene	0.479		0.0357	0.152	135	12/11/2017 04:48	WG1050481
trans-1,2-Dichloroethene	0.000963 J	J	0.000297	0.00113	1	12/07/2017 05:44	WG1050481
1,2-Dichloropropane	U		0.000403	0.00113	1	12/07/2017 05:44	WG1050481
1,1-Dichloropropene	U		0.000357	0.00113	1	12/07/2017 05:44	WG1050481
1,3-Dichloropropane	U		0.000233	0.00113	1	12/07/2017 05:44	WG1050481
cis-1,3-Dichloropropene	U		0.000295	0.00113	1	12/07/2017 05:44	WG1050481
trans-1,3-Dichloropropene	U		0.000301	0.00113	1	12/07/2017 05:44	WG1050481
trans-1,4-Dichloro-2-butene	U UJ	J0	0.000876	0.00282	1	12/07/2017 05:44	WG1050481
2,2-Dichloropropane	U		0.000314	0.00113	1	12/07/2017 05:44	WG1050481
Di-isopropyl ether	U		0.000279	0.00113	1	12/07/2017 05:44	WG1050481
Ethylbenzene	U		0.000334	0.00113	1	12/07/2017 05:44	WG1050481
Hexachloro-1,3-butadiene	U		0.000385	0.00113	1	12/07/2017 05:44	WG1050481
2-Hexanone	U		0.00154	0.0113	1	12/07/2017 05:44	WG1050481
n-Hexane	0.000505 J	J	0.000327	0.0113	1	12/07/2017 05:44	WG1050481
Iodomethane	U		0.00285	0.0113	1	12/07/2017 05:44	WG1050481
Isopropylbenzene	U		0.000274	0.00113	1	12/07/2017 05:44	WG1050481
p-Isopropyltoluene	U		0.000230	0.00113	1	12/07/2017 05:44	WG1050481
2-Butanone (MEK)	U	J3	0.00527	0.0113	1	12/07/2017 05:44	WG1050481
Methylene Chloride	U		0.00113	0.00563	1	12/07/2017 05:44	WG1050481
4-Methyl-2-pentanone (MIBK)	U		0.00212	0.0113	1	12/07/2017 05:44	WG1050481

JC 12/21/17

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

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg		date / time	
Methyl tert-butyl ether	U		0.000239	0.00113	1	12/07/2017 05:44	WG1050481
Naphthalene	U UJ	J0	0.00113	0.00563	1	12/07/2017 05:44	WG1050481
n-Propylbenzene	U		0.000232	0.00113	1	12/07/2017 05:44	WG1050481
Styrene	U		0.000264	0.00113	1	12/07/2017 05:44	WG1050481
1,1,1,2-Tetrachloroethane	U		0.000297	0.00113	1	12/07/2017 05:44	WG1050481
1,1,2,2-Tetrachloroethane	U UJ	J0	0.000411	0.00113	1	12/07/2017 05:44	WG1050481
1,1,2-Trichlorotrifluoroethane	U		0.000411	0.00113	1	12/07/2017 05:44	WG1050481
Tetrachloroethene	20.7		0.0420	0.152	135	12/11/2017 04:48	WG1050481
Toluene	0.000506 J	J	0.000489	0.00563	1	12/07/2017 05:44	WG1050481
1,2,3-Trichlorobenzene	U		0.000345	0.00113	1	12/07/2017 05:44	WG1050481
1,2,4-Trichlorobenzene	U		0.000437	0.00113	1	12/07/2017 05:44	WG1050481
1,1,1-Trichloroethane	U		0.000322	0.00113	1	12/07/2017 05:44	WG1050481
1,1,2-Trichloroethane	U		0.000312	0.00113	1	12/07/2017 05:44	WG1050481
Trichloroethene	1.09		0.0425	0.152	135	12/11/2017 04:48	WG1050481
Trichlorofluoromethane	U		0.000430	0.00563	1	12/07/2017 05:44	WG1050481
1,2,3-Trichloropropane	U UJ	J0	0.000834	0.00282	1	12/07/2017 05:44	WG1050481
1,2,4-Trimethylbenzene	0.000312 J	J	0.000238	0.00113	1	12/07/2017 05:44	WG1050481
1,2,3-Trimethylbenzene	U		0.000323	0.00113	1	12/07/2017 05:44	WG1050481
1,3,5-Trimethylbenzene	U		0.000300	0.00113	1	12/07/2017 05:44	WG1050481
Vinyl acetate	U UJ	J0 J3	0.00269	0.0113	1	12/07/2017 05:44	WG1050481
Vinyl chloride	0.0885		0.000328	0.00113	1	12/07/2017 05:44	WG1050481
Xylenes, Total	U		0.000786	0.00338	1	12/07/2017 05:44	WG1050481
(S) Toluene-d8	*88.7*			*80.0-120*		*12/07/2017 05:44*	WG1050481
(S) Toluene-d8	*103*			*80.0-120*		*12/11/2017 04:48*	WG1050481
(S) Dibromofluoromethane	*108*			*74.0-131*		*12/07/2017 05:44*	WG1050481
(S) Dibromofluoromethane	*95.7*			*74.0-131*		*12/11/2017 04:48*	WG1050481
(S) 4-Bromofluorobenzene	*110*			*64.0-132*		*12/07/2017 05:44*	WG1050481
(S) 4-Bromofluorobenzene	*93.6*			*64.0-132*		*12/11/2017 04:48*	WG1050481

JC 12/21/17

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

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	87.5		1	12/11/2017 15:49	WG1051550

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0114	0.0572	1	12/07/2017 06:05	WG1050481
Acrylonitrile	U		0.00205	0.0114	1	12/07/2017 06:05	WG1050481
Benzene	U		0.000309	0.00114	1	12/07/2017 06:05	WG1050481
Bromobenzene	U		0.000325	0.00114	1	12/07/2017 06:05	WG1050481
Bromodichloromethane	U		0.000290	0.00114	1	12/07/2017 06:05	WG1050481
Bromochloromethane	U		0.000446	0.00572	1	12/07/2017 06:05	WG1050481
Bromoform	U		0.000485	0.00114	1	12/07/2017 06:05	WG1050481
Bromomethane	U		0.00153	0.00572	1	12/07/2017 06:05	WG1050481
n-Butylbenzene	U		0.000295	0.00114	1	12/07/2017 06:05	WG1050481
sec-Butylbenzene	U		0.000230	0.00114	1	12/07/2017 06:05	WG1050481
tert-Butylbenzene	U		0.000236	0.00114	1	12/07/2017 06:05	WG1050481
Carbon disulfide	U		0.000253	0.00114	1	12/07/2017 06:05	WG1050481
Carbon tetrachloride	U		0.000375	0.00114	1	12/07/2017 06:05	WG1050481
Chlorobenzene	U		0.000242	0.00114	1	12/07/2017 06:05	WG1050481
Chlorodibromomethane	U		0.000426	0.00114	1	12/07/2017 06:05	WG1050481
Chloroethane	U		0.00108	0.00572	1	12/07/2017 06:05	WG1050481
Chloroform	U		0.000262	0.00572	1	12/07/2017 06:05	WG1050481
Chloromethane	U		0.000429	0.00286	1	12/07/2017 06:05	WG1050481
2-Chlorotoluene	U		0.000344	0.00114	1	12/07/2017 06:05	WG1050481
4-Chlorotoluene	U		0.000274	0.00114	1	12/07/2017 06:05	WG1050481
1,2-Dibromo-3-Chloropropane	U		0.00120	0.00572	1	12/07/2017 06:05	WG1050481
1,2-Dibromoethane	U		0.000392	0.00114	1	12/07/2017 06:05	WG1050481
Dibromomethane	U		0.000437	0.00114	1	12/07/2017 06:05	WG1050481
1,2-Dichlorobenzene	U		0.000349	0.00114	1	12/07/2017 06:05	WG1050481
1,3-Dichlorobenzene	U		0.000273	0.00114	1	12/07/2017 06:05	WG1050481
1,4-Dichlorobenzene	U		0.000258	0.00114	1	12/07/2017 06:05	WG1050481
Dichlorodifluoromethane	U		0.000815	0.00572	1	12/07/2017 06:05	WG1050481
1,1-Dichloroethane	U		0.000228	0.00114	1	12/07/2017 06:05	WG1050481
1,2-Dichloroethane	U		0.000303	0.00114	1	12/07/2017 06:05	WG1050481
1,1-Dichloroethene	U		0.000346	0.00114	1	12/07/2017 06:05	WG1050481
cis-1,2-Dichloroethene	0.00139		0.000269	0.00114	1	12/10/2017 17:44	WG1050481
trans-1,2-Dichloroethene	U		0.000302	0.00114	1	12/07/2017 06:05	WG1050481
1,2-Dichloropropane	U		0.000409	0.00114	1	12/07/2017 06:05	WG1050481
1,1-Dichloropropene	U		0.000362	0.00114	1	12/07/2017 06:05	WG1050481
1,3-Dichloropropane	U		0.000237	0.00114	1	12/07/2017 06:05	WG1050481
cis-1,3-Dichloropropene	U		0.000300	0.00114	1	12/07/2017 06:05	WG1050481
trans-1,3-Dichloropropene	U		0.000305	0.00114	1	12/07/2017 06:05	WG1050481
trans-1,4-Dichloro-2-butene	U UJ	J0	0.000889	0.00286	1	12/07/2017 06:05	WG1050481
2,2-Dichloropropane	U		0.000319	0.00114	1	12/07/2017 06:05	WG1050481
Di-isopropyl ether	U		0.000284	0.00114	1	12/07/2017 06:05	WG1050481
Ethylbenzene	U		0.000340	0.00114	1	12/07/2017 06:05	WG1050481
Hexachloro-1,3-butadiene	U		0.000391	0.00114	1	12/07/2017 06:05	WG1050481
2-Hexanone	U		0.00157	0.0114	1	12/07/2017 06:05	WG1050481
n-Hexane	U		0.000332	0.0114	1	12/07/2017 06:05	WG1050481
Iodomethane	U		0.00289	0.0114	1	12/07/2017 06:05	WG1050481
Isopropylbenzene	U		0.000278	0.00114	1	12/07/2017 06:05	WG1050481
p-Isopropyltoluene	U		0.000233	0.00114	1	12/07/2017 06:05	WG1050481
2-Butanone (MEK)	U	J3	0.00535	0.0114	1	12/07/2017 06:05	WG1050481
Methylene Chloride	U		0.00114	0.00572	1	12/07/2017 06:05	WG1050481
4-Methyl-2-pentanone (MIBK)	U		0.00215	0.0114	1	12/07/2017 06:05	WG1050481

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000242	0.00114	1	12/07/2017 06:05	WG1050481
Naphthalene	U UJ	J0	0.00114	0.00572	1	12/07/2017 06:05	WG1050481
n-Propylbenzene	U		0.000236	0.00114	1	12/07/2017 06:05	WG1050481
Styrene	U		0.000268	0.00114	1	12/07/2017 06:05	WG1050481
1,1,1,2-Tetrachloroethane	U		0.000302	0.00114	1	12/07/2017 06:05	WG1050481
1,1,2,2-Tetrachloroethane	U UJ	J0	0.000417	0.00114	1	12/07/2017 06:05	WG1050481
1,1,2-Trichlorotrifluoroethane	U		0.000417	0.00114	1	12/07/2017 06:05	WG1050481
Tetrachloroethene	0.0460		0.000316	0.00114	1	12/10/2017 17:44	WG1050481
Toluene	U		0.000496	0.00572	1	12/07/2017 06:05	WG1050481
1,2,3-Trichlorobenzene	U		0.000350	0.00114	1	12/07/2017 06:05	WG1050481
1,2,4-Trichlorobenzene	U		0.000444	0.00114	1	12/07/2017 06:05	WG1050481
1,1,1-Trichloroethane	U		0.000327	0.00114	1	12/07/2017 06:05	WG1050481
1,1,2-Trichloroethane	U		0.000317	0.00114	1	12/07/2017 06:05	WG1050481
Trichloroethene	0.00164		0.000319	0.00114	1	12/10/2017 17:44	WG1050481
Trichlorofluoromethane	U		0.000437	0.00572	1	12/07/2017 06:05	WG1050481
1,2,3-Trichloropropane	U UJ	J0	0.000847	0.00286	1	12/07/2017 06:05	WG1050481
1,2,4-Trimethylbenzene	U		0.000241	0.00114	1	12/07/2017 06:05	WG1050481
1,2,3-Trimethylbenzene	U		0.000328	0.00114	1	12/07/2017 06:05	WG1050481
1,3,5-Trimethylbenzene	U		0.000304	0.00114	1	12/07/2017 06:05	WG1050481
Vinyl acetate	U UJ	J0 J3	0.00273	0.0114	1	12/07/2017 06:05	WG1050481
Vinyl chloride	U		0.000333	0.00114	1	12/07/2017 06:05	WG1050481
Xylenes, Total	U		0.000798	0.00343	1	12/07/2017 06:05	WG1050481
(S) Toluene-d8	*95.6*			*80.0-120*		*12/10/2017 17:44*	WG1050481
(S) Toluene-d8	*91.5*			*80.0-120*		*12/07/2017 06:05*	WG1050481
(S) Dibromofluoromethane	*116*			*74.0-131*		*12/10/2017 17:44*	WG1050481
(S) Dibromofluoromethane	*108*			*74.0-131*		*12/07/2017 06:05*	WG1050481
(S) 4-Bromofluorobenzene	*98.2*			*64.0-132*		*12/07/2017 06:05*	WG1050481
(S) 4-Bromofluorobenzene	*101*			*64.0-132*		*12/10/2017 17:44*	WG1050481

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

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Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	90.0		1	12/11/2017 15:49	WG1051550

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0181	0.0906	1.63	12/07/2017 06:26	WG1050481
Acrylonitrile	U		0.00325	0.0181	1.63	12/07/2017 06:26	WG1050481
Benzene	U		0.000489	0.00181	1.63	12/07/2017 06:26	WG1050481
Bromobenzene	U		0.000515	0.00181	1.63	12/07/2017 06:26	WG1050481
Bromodichloromethane	U		0.000460	0.00181	1.63	12/07/2017 06:26	WG1050481
Bromochloromethane	U		0.000707	0.00906	1.63	12/07/2017 06:26	WG1050481
Bromoform	U		0.000768	0.00181	1.63	12/07/2017 06:26	WG1050481
Bromomethane	U		0.00242	0.00906	1.63	12/07/2017 06:26	WG1050481
n-Butylbenzene	U		0.000467	0.00181	1.63	12/07/2017 06:26	WG1050481
sec-Butylbenzene	U		0.000365	0.00181	1.63	12/07/2017 06:26	WG1050481
tert-Butylbenzene	U		0.000373	0.00181	1.63	12/07/2017 06:26	WG1050481
Carbon disulfide	U		0.000400	0.00181	1.63	12/07/2017 06:26	WG1050481
Carbon tetrachloride	U		0.000595	0.00181	1.63	12/07/2017 06:26	WG1050481
Chlorobenzene	U		0.000385	0.00181	1.63	12/07/2017 06:26	WG1050481
Chlorodibromomethane	U		0.000676	0.00181	1.63	12/07/2017 06:26	WG1050481
Chloroethane	U		0.00171	0.00906	1.63	12/07/2017 06:26	WG1050481
Chloroform	U		0.000415	0.00906	1.63	12/07/2017 06:26	WG1050481
Chloromethane	U		0.000679	0.00453	1.63	12/07/2017 06:26	WG1050481
2-Chlorotoluene	U		0.000546	0.00181	1.63	12/07/2017 06:26	WG1050481
4-Chlorotoluene	U		0.000435	0.00181	1.63	12/07/2017 06:26	WG1050481
1,2-Dibromo-3-Chloropropane	U		0.00190	0.00906	1.63	12/07/2017 06:26	WG1050481
1,2-Dibromoethane	U		0.000621	0.00181	1.63	12/07/2017 06:26	WG1050481
Dibromomethane	U		0.000692	0.00181	1.63	12/07/2017 06:26	WG1050481
1,2-Dichlorobenzene	U		0.000552	0.00181	1.63	12/07/2017 06:26	WG1050481
1,3-Dichlorobenzene	U		0.000433	0.00181	1.63	12/07/2017 06:26	WG1050481
1,4-Dichlorobenzene	U		0.000409	0.00181	1.63	12/07/2017 06:26	WG1050481
Dichlorodifluoromethane	U		0.00129	0.00906	1.63	12/07/2017 06:26	WG1050481
1,1-Dichloroethane	U		0.000360	0.00181	1.63	12/07/2017 06:26	WG1050481
1,2-Dichloroethane	U		0.000480	0.00181	1.63	12/07/2017 06:26	WG1050481
1,1-Dichloroethene	U		0.000549	0.00181	1.63	12/07/2017 06:26	WG1050481
cis-1,2-Dichloroethene	U		0.000261	0.00111	1	12/10/2017 18:04	WG1050481
trans-1,2-Dichloroethene	U		0.000478	0.00181	1.63	12/07/2017 06:26	WG1050481
1,2-Dichloropropane	U		0.000649	0.00181	1.63	12/07/2017 06:26	WG1050481
1,1-Dichloropropene	U		0.000575	0.00181	1.63	12/07/2017 06:26	WG1050481
1,3-Dichloropropane	U		0.000375	0.00181	1.63	12/07/2017 06:26	WG1050481
cis-1,3-Dichloropropene	U		0.000475	0.00181	1.63	12/07/2017 06:26	WG1050481
trans-1,3-Dichloropropene	U		0.000484	0.00181	1.63	12/07/2017 06:26	WG1050481
trans-1,4-Dichloro-2-butene	U UJ	J0	0.00141	0.00453	1.63	12/07/2017 06:26	WG1050481
2,2-Dichloropropane	U		0.000506	0.00181	1.63	12/07/2017 06:26	WG1050481
Di-isopropyl ether	U		0.000449	0.00181	1.63	12/07/2017 06:26	WG1050481
Ethylbenzene	U		0.000538	0.00181	1.63	12/07/2017 06:26	WG1050481
Hexachloro-1,3-butadiene	U		0.000619	0.00181	1.63	12/07/2017 06:26	WG1050481
2-Hexanone	U		0.00248	0.0181	1.63	12/07/2017 06:26	WG1050481
n-Hexane	U		0.000526	0.0181	1.63	12/07/2017 06:26	WG1050481
Iodomethane	U		0.00458	0.0181	1.63	12/07/2017 06:26	WG1050481
Isopropylbenzene	U		0.000440	0.00181	1.63	12/07/2017 06:26	WG1050481
p-Isopropyltoluene	U		0.000369	0.00181	1.63	12/07/2017 06:26	WG1050481
2-Butanone (MEK)	U	J3	0.00848	0.0181	1.63	12/07/2017 06:26	WG1050481
Methylene Chloride	U		0.00181	0.00906	1.63	12/07/2017 06:26	WG1050481
4-Methyl-2-pentanone (MIBK)	U		0.00340	0.0181	1.63	12/07/2017 06:26	WG1050481

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000385	0.00181	1.63	12/07/2017 06:26	WG1050481
Naphthalene	U UJ	J0	0.00181	0.00906	1.63	12/07/2017 06:26	WG1050481
n-Propylbenzene	U		0.000373	0.00181	1.63	12/07/2017 06:26	WG1050481
Styrene	U		0.000423	0.00181	1.63	12/07/2017 06:26	WG1050481
1,1,1,2-Tetrachloroethane	U		0.000478	0.00181	1.63	12/07/2017 06:26	WG1050481
1,1,2,2-Tetrachloroethane	U UJ	J0	0.000661	0.00181	1.63	12/07/2017 06:26	WG1050481
1,1,2-Trichlorotrifluoroethane	U		0.000661	0.00181	1.63	12/07/2017 06:26	WG1050481
Tetrachloroethene	0.00968		0.000307	0.00111	1	12/10/2017 18:04	WG1050481
Toluene	U		0.000786	0.00906	1.63	12/07/2017 06:26	WG1050481
1,2,3-Trichlorobenzene	U		0.000555	0.00181	1.63	12/07/2017 06:26	WG1050481
1,2,4-Trichlorobenzene	U		0.000702	0.00181	1.63	12/07/2017 06:26	WG1050481
1,1,1-Trichloroethane	U		0.000518	0.00181	1.63	12/07/2017 06:26	WG1050481
1,1,2-Trichloroethane	U		0.000502	0.00181	1.63	12/07/2017 06:26	WG1050481
Trichloroethene	U		0.000310	0.00111	1	12/10/2017 18:04	WG1050481
Trichlorofluoromethane	U		0.000692	0.00906	1.63	12/07/2017 06:26	WG1050481
1,2,3-Trichloropropane	U UJ	J0	0.00134	0.00453	1.63	12/07/2017 06:26	WG1050481
1,2,4-Trimethylbenzene	U		0.000382	0.00181	1.63	12/07/2017 06:26	WG1050481
1,2,3-Trimethylbenzene	U		0.000520	0.00181	1.63	12/07/2017 06:26	WG1050481
1,3,5-Trimethylbenzene	U		0.000482	0.00181	1.63	12/07/2017 06:26	WG1050481
Vinyl acetate	U UJ	J0 J3	0.00433	0.0181	1.63	12/07/2017 06:26	WG1050481
Vinyl chloride	U		0.000527	0.00181	1.63	12/07/2017 06:26	WG1050481
Xylenes, Total	U		0.00127	0.00544	1.63	12/07/2017 06:26	WG1050481
(S) Toluene-d8	*93.8*			*80.0-120*		*12/10/2017 18:04*	WG1050481
(S) Toluene-d8	*88.6*			*80.0-120*		*12/07/2017 06:26*	WG1050481
(S) Dibromofluoromethane	*116*			*74.0-131*		*12/10/2017 18:04*	WG1050481
(S) Dibromofluoromethane	*111*			*74.0-131*		*12/07/2017 06:26*	WG1050481
(S) 4-Bromofluorobenzene	*102*			*64.0-132*		*12/10/2017 18:04*	WG1050481
(S) 4-Bromofluorobenzene	*100*			*64.0-132*		*12/07/2017 06:26*	WG1050481

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

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	90.4		1	12/11/2017 15:49	WG1051550

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0111	0.0553	1	12/07/2017 06:47	WG1050481
Acrylonitrile	U		0.00198	0.0111	1	12/07/2017 06:47	WG1050481
Benzene	U		0.000299	0.00111	1	12/07/2017 06:47	WG1050481
Bromobenzene	U		0.000314	0.00111	1	12/07/2017 06:47	WG1050481
Bromodichloromethane	U		0.000281	0.00111	1	12/07/2017 06:47	WG1050481
Bromochloromethane	U		0.000432	0.00553	1	12/07/2017 06:47	WG1050481
Bromoform	U		0.000469	0.00111	1	12/07/2017 06:47	WG1050481
Bromomethane	U		0.00148	0.00553	1	12/07/2017 06:47	WG1050481
n-Butylbenzene	U		0.000285	0.00111	1	12/07/2017 06:47	WG1050481
sec-Butylbenzene	U		0.000222	0.00111	1	12/07/2017 06:47	WG1050481
tert-Butylbenzene	U		0.000228	0.00111	1	12/07/2017 06:47	WG1050481
Carbon disulfide	0.000767 J	J	0.000245	0.00111	1	12/07/2017 06:47	WG1050481
Carbon tetrachloride	U		0.000363	0.00111	1	12/07/2017 06:47	WG1050481
Chlorobenzene	U		0.000235	0.00111	1	12/07/2017 06:47	WG1050481
Chlorodibromomethane	U		0.000413	0.00111	1	12/07/2017 06:47	WG1050481
Chloroethane	U		0.00105	0.00553	1	12/07/2017 06:47	WG1050481
Chloroform	U		0.000253	0.00553	1	12/07/2017 06:47	WG1050481
Chloromethane	U		0.000415	0.00277	1	12/07/2017 06:47	WG1050481
2-Chlorotoluene	U		0.000333	0.00111	1	12/07/2017 06:47	WG1050481
4-Chlorotoluene	U		0.000266	0.00111	1	12/07/2017 06:47	WG1050481
1,2-Dibromo-3-Chloropropane	U		0.00116	0.00553	1	12/07/2017 06:47	WG1050481
1,2-Dibromoethane	U		0.000380	0.00111	1	12/07/2017 06:47	WG1050481
Dibromomethane	U		0.000423	0.00111	1	12/07/2017 06:47	WG1050481
1,2-Dichlorobenzene	U		0.000337	0.00111	1	12/07/2017 06:47	WG1050481
1,3-Dichlorobenzene	U		0.000264	0.00111	1	12/07/2017 06:47	WG1050481
1,4-Dichlorobenzene	U		0.000250	0.00111	1	12/07/2017 06:47	WG1050481
Dichlorodifluoromethane	U		0.000789	0.00553	1	12/07/2017 06:47	WG1050481
1,1-Dichloroethane	U		0.000220	0.00111	1	12/07/2017 06:47	WG1050481
1,2-Dichloroethane	U		0.000293	0.00111	1	12/07/2017 06:47	WG1050481
1,1-Dichloroethene	U		0.000335	0.00111	1	12/07/2017 06:47	WG1050481
cis-1,2-Dichloroethene	0.00621		0.000260	0.00111	1	12/07/2017 06:47	WG1050481
trans-1,2-Dichloroethene	U		0.000292	0.00111	1	12/07/2017 06:47	WG1050481
1,2-Dichloropropane	U		0.000396	0.00111	1	12/07/2017 06:47	WG1050481
1,1-Dichloropropene	U		0.000351	0.00111	1	12/07/2017 06:47	WG1050481
1,3-Dichloropropane	U		0.000229	0.00111	1	12/07/2017 06:47	WG1050481
cis-1,3-Dichloropropene	U		0.000290	0.00111	1	12/07/2017 06:47	WG1050481
trans-1,3-Dichloropropene	U		0.000295	0.00111	1	12/07/2017 06:47	WG1050481
trans-1,4-Dichloro-2-butene	U UJ	J0	0.000861	0.00277	1	12/07/2017 06:47	WG1050481
2,2-Dichloropropane	U		0.000309	0.00111	1	12/07/2017 06:47	WG1050481
Di-isopropyl ether	U		0.000274	0.00111	1	12/07/2017 06:47	WG1050481
Ethylbenzene	U		0.000329	0.00111	1	12/07/2017 06:47	WG1050481
Hexachloro-1,3-butadiene	U		0.000378	0.00111	1	12/07/2017 06:47	WG1050481
2-Hexanone	U		0.00152	0.0111	1	12/07/2017 06:47	WG1050481
n-Hexane	0.000486 J	J	0.000321	0.0111	1	12/07/2017 06:47	WG1050481
Iodomethane	U		0.00280	0.0111	1	12/07/2017 06:47	WG1050481
Isopropylbenzene	U		0.000269	0.00111	1	12/07/2017 06:47	WG1050481
p-Isopropyltoluene	U		0.000226	0.00111	1	12/07/2017 06:47	WG1050481
2-Butanone (MEK)	U	J3	0.00518	0.0111	1	12/07/2017 06:47	WG1050481
Methylene Chloride	U		0.00111	0.00553	1	12/07/2017 06:47	WG1050481
4-Methyl-2-pentanone (MIBK)	U		0.00208	0.0111	1	12/07/2017 06:47	WG1050481

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000235	0.00111	1	12/07/2017 06:47	WG1050481
Naphthalene	U UJ	J0	0.00111	0.00553	1	12/07/2017 06:47	WG1050481
n-Propylbenzene	U		0.000228	0.00111	1	12/07/2017 06:47	WG1050481
Styrene	U		0.000259	0.00111	1	12/07/2017 06:47	WG1050481
1,1,1,2-Tetrachloroethane	U		0.000292	0.00111	1	12/07/2017 06:47	WG1050481
1,1,2,2-Tetrachloroethane	U UJ	J0	0.000404	0.00111	1	12/07/2017 06:47	WG1050481
1,1,2-Trichlorotrifluoroethane	U		0.000404	0.00111	1	12/07/2017 06:47	WG1050481
Tetrachloroethene	0.0440		0.000305	0.00111	1	12/07/2017 06:47	WG1050481
Toluene	U		0.000480	0.00553	1	12/07/2017 06:47	WG1050481
1,2,3-Trichlorobenzene	U		0.000339	0.00111	1	12/07/2017 06:47	WG1050481
1,2,4-Trichlorobenzene	U		0.000429	0.00111	1	12/07/2017 06:47	WG1050481
1,1,1-Trichloroethane	U		0.000316	0.00111	1	12/07/2017 06:47	WG1050481
1,1,2-Trichloroethane	U		0.000306	0.00111	1	12/07/2017 06:47	WG1050481
Trichloroethene	0.000826 J	J	0.000309	0.00111	1	12/07/2017 06:47	WG1050481
Trichlorofluoromethane	U		0.000423	0.00553	1	12/07/2017 06:47	WG1050481
1,2,3-Trichloropropane	U UJ	J0	0.000820	0.00277	1	12/07/2017 06:47	WG1050481
1,2,4-Trimethylbenzene	U		0.000233	0.00111	1	12/07/2017 06:47	WG1050481
1,2,3-Trimethylbenzene	U		0.000318	0.00111	1	12/07/2017 06:47	WG1050481
1,3,5-Trimethylbenzene	U		0.000294	0.00111	1	12/07/2017 06:47	WG1050481
Vinyl acetate	U UJ	J0 J3	0.00264	0.0111	1	12/07/2017 06:47	WG1050481
Vinyl chloride	0.00373		0.000322	0.00111	1	12/07/2017 06:47	WG1050481
Xylenes, Total	U		0.000772	0.00332	1	12/07/2017 06:47	WG1050481
(S) Toluene-d8	*90.1*			*80.0-120*		*12/07/2017 06:47*	WG1050481
(S) Dibromofluoromethane	*110*			*74.0-131*		*12/07/2017 06:47*	WG1050481
(S) 4-Bromofluorobenzene	*101*			*64.0-132*		*12/07/2017 06:47*	WG1050481

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B-236-42.5

Collected date/time: 12/05/17 13:40

SAMPLE RESULTS - 16

L955420

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	85.3		1	12/11/2017 15:49	WG1051550

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		11.7	58.6	1000	12/07/2017 07:08	WG1050481
Acrylonitrile	U		2.10	11.7	1000	12/07/2017 07:08	WG1050481
Benzene	U		0.317	1.17	1000	12/07/2017 07:08	WG1050481
Bromobenzene	U		0.333	1.17	1000	12/07/2017 07:08	WG1050481
Bromodichloromethane	U		0.298	1.17	1000	12/07/2017 07:08	WG1050481
Bromochloromethane	U		0.457	5.86	1000	12/07/2017 07:08	WG1050481
Bromoform	U		0.497	1.17	1000	12/07/2017 07:08	WG1050481
Bromomethane	U		1.57	5.86	1000	12/07/2017 07:08	WG1050481
n-Butylbenzene	U		0.303	1.17	1000	12/07/2017 07:08	WG1050481
sec-Butylbenzene	U		0.236	1.17	1000	12/07/2017 07:08	WG1050481
tert-Butylbenzene	U		0.242	1.17	1000	12/07/2017 07:08	WG1050481
Carbon disulfide	U		0.259	1.17	1000	12/07/2017 07:08	WG1050481
Carbon tetrachloride	U		0.385	1.17	1000	12/07/2017 07:08	WG1050481
Chlorobenzene	U		0.249	1.17	1000	12/07/2017 07:08	WG1050481
Chlorodibromomethane	U		0.437	1.17	1000	12/07/2017 07:08	WG1050481
Chloroethane	U		1.11	5.86	1000	12/07/2017 07:08	WG1050481
Chloroform	U		0.269	5.86	1000	12/07/2017 07:08	WG1050481
Chloromethane	U		0.440	2.93	1000	12/07/2017 07:08	WG1050481
2-Chlorotoluene	U		0.353	1.17	1000	12/07/2017 07:08	WG1050481
4-Chlorotoluene	U		0.281	1.17	1000	12/07/2017 07:08	WG1050481
1,2-Dibromo-3-Chloropropane	U		1.23	5.86	1000	12/07/2017 07:08	WG1050481
1,2-Dibromoethane	U		0.402	1.17	1000	12/07/2017 07:08	WG1050481
Dibromomethane	U		0.448	1.17	1000	12/07/2017 07:08	WG1050481
1,2-Dichlorobenzene	U		0.358	1.17	1000	12/07/2017 07:08	WG1050481
1,3-Dichlorobenzene	U		0.280	1.17	1000	12/07/2017 07:08	WG1050481
1,4-Dichlorobenzene	U		0.265	1.17	1000	12/07/2017 07:08	WG1050481
Dichlorodifluoromethane	U		0.836	5.86	1000	12/07/2017 07:08	WG1050481
1,1-Dichloroethane	U		0.233	1.17	1000	12/07/2017 07:08	WG1050481
1,2-Dichloroethane	U		0.311	1.17	1000	12/07/2017 07:08	WG1050481
1,1-Dichloroethene	U		0.355	1.17	1000	12/07/2017 07:08	WG1050481
cis-1,2-Dichloroethene	2.87		0.276	1.17	1000	12/07/2017 07:08	WG1050481
trans-1,2-Dichloroethene	U		0.310	1.17	1000	12/07/2017 07:08	WG1050481
1,2-Dichloropropane	U		0.420	1.17	1000	12/07/2017 07:08	WG1050481
1,1-Dichloropropene	U		0.372	1.17	1000	12/07/2017 07:08	WG1050481
1,3-Dichloropropane	U		0.243	1.17	1000	12/07/2017 07:08	WG1050481
cis-1,3-Dichloropropene	U		0.307	1.17	1000	12/07/2017 07:08	WG1050481
trans-1,3-Dichloropropene	U		0.313	1.17	1000	12/07/2017 07:08	WG1050481
trans-1,4-Dichloro-2-butene	U UJ	J0	0.912	2.93	1000	12/07/2017 07:08	WG1050481
2,2-Dichloropropane	U		0.327	1.17	1000	12/07/2017 07:08	WG1050481
Di-isopropyl ether	U		0.291	1.17	1000	12/07/2017 07:08	WG1050481
Ethylbenzene	U		0.348	1.17	1000	12/07/2017 07:08	WG1050481
Hexachloro-1,3-butadiene	U		0.401	1.17	1000	12/07/2017 07:08	WG1050481
2-Hexanone	U		1.61	11.7	1000	12/07/2017 07:08	WG1050481
n-Hexane	U		0.340	11.7	1000	12/07/2017 07:08	WG1050481
Iodomethane	U		2.97	11.7	1000	12/07/2017 07:08	WG1050481
Isopropylbenzene	U		0.285	1.17	1000	12/07/2017 07:08	WG1050481
p-Isopropyltoluene	U		0.239	1.17	1000	12/07/2017 07:08	WG1050481
2-Butanone (MEK)	U	J3	5.49	11.7	1000	12/07/2017 07:08	WG1050481
Methylene Chloride	U		1.17	5.86	1000	12/07/2017 07:08	WG1050481
4-Methyl-2-pentanone (MIBK)	U		2.20	11.7	1000	12/07/2017 07:08	WG1050481

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

Analyte	Result (dry) mg/kg		Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U			0.249	1.17	1000	12/07/2017 07:08	WG1050481
Naphthalene	U	UJ	J0	1.17	5.86	1000	12/07/2017 07:08	WG1050481
n-Propylbenzene	0.355	J	J	0.242	1.17	1000	12/07/2017 07:08	WG1050481
Styrene	U			0.274	1.17	1000	12/07/2017 07:08	WG1050481
1,1,1,2-Tetrachloroethane	U			0.310	1.17	1000	12/07/2017 07:08	WG1050481
1,1,2,2-Tetrachloroethane	U	UJ	J0	0.428	1.17	1000	12/07/2017 07:08	WG1050481
1,1,2-Trichlorotrifluoroethane	U			0.428	1.17	1000	12/07/2017 07:08	WG1050481
Tetrachloroethene	16400			162	586	500000	12/11/2017 06:53	WG1050481
Toluene	U			0.509	5.86	1000	12/07/2017 07:08	WG1050481
1,2,3-Trichlorobenzene	U			0.359	1.17	1000	12/07/2017 07:08	WG1050481
1,2,4-Trichlorobenzene	U			0.455	1.17	1000	12/07/2017 07:08	WG1050481
1,1,1-Trichloroethane	U			0.335	1.17	1000	12/07/2017 07:08	WG1050481
1,1,2-Trichloroethane	U			0.325	1.17	1000	12/07/2017 07:08	WG1050481
Trichloroethene	72.5			0.327	1.17	1000	12/07/2017 07:08	WG1050481
Trichlorofluoromethane	U			0.448	5.86	1000	12/07/2017 07:08	WG1050481
1,2,3-Trichloropropane	U	UJ	J0	0.869	2.93	1000	12/07/2017 07:08	WG1050481
1,2,4-Trimethylbenzene	2.33			0.247	1.17	1000	12/07/2017 07:08	WG1050481
1,2,3-Trimethylbenzene	0.728	J	J	0.337	1.17	1000	12/07/2017 07:08	WG1050481
1,3,5-Trimethylbenzene	0.745	J	J	0.312	1.17	1000	12/07/2017 07:08	WG1050481
Vinyl acetate	U	UJ	J0 J3	2.80	11.7	1000	12/07/2017 07:08	WG1050481
Vinyl chloride	0.407	J	J	0.341	1.17	1000	12/07/2017 07:08	WG1050481
Xylenes, Total	U			0.819	3.52	1000	12/07/2017 07:08	WG1050481
(S) Toluene-d8	*105*				*80.0-120*		*12/11/2017 06:53*	WG1050481
(S) Toluene-d8	*92.4*				*80.0-120*		*12/07/2017 07:08*	WG1050481
(S) Dibromofluoromethane	*91.6*				*74.0-131*		*12/11/2017 06:53*	WG1050481
(S) Dibromofluoromethane	*99.9*				*74.0-131*		*12/07/2017 07:08*	WG1050481
(S) 4-Bromofluorobenzene	*100*				*64.0-132*		*12/07/2017 07:08*	WG1050481
(S) 4-Bromofluorobenzene	*96.0*				*64.0-132*		*12/11/2017 06:53*	WG1050481

Sample Narrative:

L955420-16 WG1050481: Cannot be analyzed at a lower dilution due to high levels of target analytes.

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

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	90.4		1	12/11/2017 15:49	WG1051550

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		3.93	19.6	355	12/07/2017 07:29	WG1050481
Acrylonitrile	U		0.703	3.93	355	12/07/2017 07:29	WG1050481
Benzene	U		0.106	0.393	355	12/07/2017 07:29	WG1050481
Bromobenzene	U		0.112	0.393	355	12/07/2017 07:29	WG1050481
Bromodichloromethane	U		0.0998	0.393	355	12/07/2017 07:29	WG1050481
Bromochloromethane	U		0.153	1.96	355	12/07/2017 07:29	WG1050481
Bromoform	U		0.166	0.393	355	12/07/2017 07:29	WG1050481
Bromomethane	U		0.527	1.96	355	12/07/2017 07:29	WG1050481
n-Butylbenzene	U		0.101	0.393	355	12/07/2017 07:29	WG1050481
sec-Butylbenzene	U		0.0790	0.393	355	12/07/2017 07:29	WG1050481
tert-Butylbenzene	U		0.0809	0.393	355	12/07/2017 07:29	WG1050481
Carbon disulfide	U		0.0868	0.393	355	12/07/2017 07:29	WG1050481
Carbon tetrachloride	U		0.128	0.393	355	12/07/2017 07:29	WG1050481
Chlorobenzene	U		0.0833	0.393	355	12/07/2017 07:29	WG1050481
Chlorodibromomethane	U		0.146	0.393	355	12/07/2017 07:29	WG1050481
Chloroethane	U		0.372	1.96	355	12/07/2017 07:29	WG1050481
Chloroform	U		0.0900	1.96	355	12/07/2017 07:29	WG1050481
Chloromethane	U		0.147	0.982	355	12/07/2017 07:29	WG1050481
2-Chlorotoluene	U		0.118	0.393	355	12/07/2017 07:29	WG1050481
4-Chlorotoluene	U		0.0943	0.393	355	12/07/2017 07:29	WG1050481
1,2-Dibromo-3-Chloropropane	U		0.413	1.96	355	12/07/2017 07:29	WG1050481
1,2-Dibromoethane	U		0.135	0.393	355	12/07/2017 07:29	WG1050481
Dibromomethane	U		0.150	0.393	355	12/07/2017 07:29	WG1050481
1,2-Dichlorobenzene	U		0.120	0.393	355	12/07/2017 07:29	WG1050481
1,3-Dichlorobenzene	U		0.0938	0.393	355	12/07/2017 07:29	WG1050481
1,4-Dichlorobenzene	U		0.0887	0.393	355	12/07/2017 07:29	WG1050481
Dichlorodifluoromethane	U		0.280	1.96	355	12/07/2017 07:29	WG1050481
1,1-Dichloroethane	U		0.0781	0.393	355	12/07/2017 07:29	WG1050481
1,2-Dichloroethane	U		0.104	0.393	355	12/07/2017 07:29	WG1050481
1,1-Dichloroethene	U		0.120	0.393	355	12/07/2017 07:29	WG1050481
cis-1,2-Dichloroethene	0.969		0.0923	0.393	355	12/07/2017 07:29	WG1050481
trans-1,2-Dichloroethene	U		0.104	0.393	355	12/07/2017 07:29	WG1050481
1,2-Dichloropropane	U		0.141	0.393	355	12/07/2017 07:29	WG1050481
1,1-Dichloropropene	U		0.124	0.393	355	12/07/2017 07:29	WG1050481
1,3-Dichloropropane	U		0.0813	0.393	355	12/07/2017 07:29	WG1050481
cis-1,3-Dichloropropene	U		0.103	0.393	355	12/07/2017 07:29	WG1050481
trans-1,3-Dichloropropene	U		0.105	0.393	355	12/07/2017 07:29	WG1050481
trans-1,4-Dichloro-2-butene	U UJ	J0	0.305	0.982	355	12/07/2017 07:29	WG1050481
2,2-Dichloropropane	U		0.110	0.393	355	12/07/2017 07:29	WG1050481
Di-isopropyl ether	U		0.0974	0.393	355	12/07/2017 07:29	WG1050481
Ethylbenzene	U		0.116	0.393	355	12/07/2017 07:29	WG1050481
Hexachloro-1,3-butadiene	U		0.134	0.393	355	12/07/2017 07:29	WG1050481
2-Hexanone	U		0.538	3.93	355	12/07/2017 07:29	WG1050481
n-Hexane	U		0.114	3.93	355	12/07/2017 07:29	WG1050481
Iodomethane	U		0.994	3.93	355	12/07/2017 07:29	WG1050481
Isopropylbenzene	U		0.0955	0.393	355	12/07/2017 07:29	WG1050481
p-Isopropyltoluene	U		0.0801	0.393	355	12/07/2017 07:29	WG1050481
2-Butanone (MEK)	U		1.84	3.93	355	12/07/2017 07:29	WG1050481
Methylene Chloride	U		0.393	1.96	355	12/07/2017 07:29	WG1050481
4-Methyl-2-pentanone (MIBK)	U		0.738	3.93	355	12/07/2017 07:29	WG1050481

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

Analyte	Result (dry) mg/kg		Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U			0.0833	0.393	355	12/07/2017 07:29	WG1050481
Naphthalene	U	UJ	J0	0.393	1.96	355	12/07/2017 07:29	WG1050481
n-Propylbenzene	U			0.0809	0.393	355	12/07/2017 07:29	WG1050481
Styrene	U			0.0920	0.393	355	12/07/2017 07:29	WG1050481
1,1,1,2-Tetrachloroethane	U			0.104	0.393	355	12/07/2017 07:29	WG1050481
1,1,2,2-Tetrachloroethane	U	UJ	J0	0.144	0.393	355	12/07/2017 07:29	WG1050481
1,1,2-Trichlorotrifluoroethane	U			0.144	0.393	355	12/07/2017 07:29	WG1050481
Tetrachloroethene	31.0			0.108	0.393	355	12/07/2017 07:29	WG1050481
Toluene	U			0.170	1.96	355	12/07/2017 07:29	WG1050481
1,2,3-Trichlorobenzene	U			0.121	0.393	355	12/07/2017 07:29	WG1050481
1,2,4-Trichlorobenzene	U			0.153	0.393	355	12/07/2017 07:29	WG1050481
1,1,1-Trichloroethane	U			0.113	0.393	355	12/07/2017 07:29	WG1050481
1,1,2-Trichloroethane	U			0.109	0.393	355	12/07/2017 07:29	WG1050481
Trichloroethene	0.335	J	J	0.110	0.393	355	12/07/2017 07:29	WG1050481
Trichlorofluoromethane	U			0.150	1.96	355	12/07/2017 07:29	WG1050481
1,2,3-Trichloropropane	U	UJ	J0	0.291	0.982	355	12/07/2017 07:29	WG1050481
1,2,4-Trimethylbenzene	U			0.0829	0.393	355	12/07/2017 07:29	WG1050481
1,2,3-Trimethylbenzene	U			0.113	0.393	355	12/07/2017 07:29	WG1050481
1,3,5-Trimethylbenzene	U			0.104	0.393	355	12/07/2017 07:29	WG1050481
Vinyl acetate	U	UJ	J0	0.938	3.93	355	12/07/2017 07:29	WG1050481
Vinyl chloride	U			0.114	0.393	355	12/07/2017 07:29	WG1050481
Xylenes, Total	U			0.274	1.18	355	12/07/2017 07:29	WG1050481
(S) Toluene-d8	*100*				*80.0-120*		*12/07/2017 07:29*	WG1050481
(S) Dibromofluoromethane	*102*				*74.0-131*		*12/07/2017 07:29*	WG1050481
(S) 4-Bromofluorobenzene	*99.1*				*64.0-132*		*12/07/2017 07:29*	WG1050481

Sample Narrative:

L955420-17 WG1050481: Cannot be analyzed at a lower dilution due to high levels of target analytes.

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	2.36	J J0 J4	1.05	25.0	1	12/07/2017 12:44	WG1050647
Acrylonitrile	U		0.873	5.00	1	12/07/2017 12:44	WG1050647
Benzene	U		0.0896	0.500	1	12/07/2017 12:44	WG1050647
Bromobenzene	U		0.133	0.500	1	12/07/2017 12:44	WG1050647
Bromodichloromethane	U		0.0800	0.500	1	12/07/2017 12:44	WG1050647
Bromochloromethane	U		0.145	0.500	1	12/07/2017 12:44	WG1050647
Bromoform	U		0.186	0.500	1	12/07/2017 12:44	WG1050647
Bromomethane	U		0.157	2.50	1	12/07/2017 12:44	WG1050647
n-Butylbenzene	U		0.143	0.500	1	12/07/2017 12:44	WG1050647
sec-Butylbenzene	U		0.134	0.500	1	12/07/2017 12:44	WG1050647
tert-Butylbenzene	U		0.183	0.500	1	12/07/2017 12:44	WG1050647
Carbon disulfide	U		0.101	0.500	1	12/07/2017 12:44	WG1050647
Carbon tetrachloride	U		0.159	0.500	1	12/07/2017 12:44	WG1050647
Chlorobenzene	U		0.140	0.500	1	12/07/2017 12:44	WG1050647
Chlorodibromomethane	U		0.128	0.500	1	12/07/2017 12:44	WG1050647
Chloroethane	U		0.141	2.50	1	12/07/2017 12:44	WG1050647
Chloroform	U		0.0860	0.500	1	12/07/2017 12:44	WG1050647
Chloromethane	U		0.153	1.25	1	12/07/2017 12:44	WG1050647
2-Chlorotoluene	U		0.111	0.500	1	12/07/2017 12:44	WG1050647
4-Chlorotoluene	U		0.0972	0.500	1	12/07/2017 12:44	WG1050647
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	12/07/2017 12:44	WG1050647
1,2-Dibromoethane	U		0.193	0.500	1	12/07/2017 12:44	WG1050647
Dibromomethane	U		0.117	0.500	1	12/07/2017 12:44	WG1050647
1,2-Dichlorobenzene	U		0.101	0.500	1	12/07/2017 12:44	WG1050647
1,3-Dichlorobenzene	U		0.130	0.500	1	12/07/2017 12:44	WG1050647
1,4-Dichlorobenzene	U		0.121	0.500	1	12/07/2017 12:44	WG1050647
Dichlorodifluoromethane	U		0.127	2.50	1	12/07/2017 12:44	WG1050647
1,1-Dichloroethane	U		0.114	0.500	1	12/07/2017 12:44	WG1050647
1,2-Dichloroethane	U		0.108	0.500	1	12/07/2017 12:44	WG1050647
1,1-Dichloroethene	U		0.188	0.500	1	12/07/2017 12:44	WG1050647
cis-1,2-Dichloroethene	U		0.0933	0.500	1	12/07/2017 12:44	WG1050647
trans-1,2-Dichloroethene	U		0.152	0.500	1	12/07/2017 12:44	WG1050647
1,2-Dichloropropane	U		0.190	0.500	1	12/07/2017 12:44	WG1050647
1,1-Dichloropropene	U		0.128	0.500	1	12/07/2017 12:44	WG1050647
1,3-Dichloropropane	U		0.147	1.00	1	12/07/2017 12:44	WG1050647
cis-1,3-Dichloropropene	U		0.0976	0.500	1	12/07/2017 12:44	WG1050647
trans-1,3-Dichloropropene	U		0.222	0.500	1	12/07/2017 12:44	WG1050647
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	12/07/2017 12:44	WG1050647
2,2-Dichloropropane	U		0.0929	0.500	1	12/07/2017 12:44	WG1050647
Di-isopropyl ether	U		0.0924	0.500	1	12/07/2017 12:44	WG1050647
Ethylbenzene	U		0.158	0.500	1	12/07/2017 12:44	WG1050647
Hexachloro-1,3-butadiene	U		0.157	1.00	1	12/07/2017 12:44	WG1050647
2-Hexanone	U		0.757	5.00	1	12/07/2017 12:44	WG1050647
n-Hexane	U		0.305	5.00	1	12/07/2017 12:44	WG1050647
Iodomethane	U		0.377	10.0	1	12/07/2017 12:44	WG1050647
Isopropylbenzene	U		0.126	0.500	1	12/07/2017 12:44	WG1050647
p-Isopropyltoluene	U		0.138	0.500	1	12/07/2017 12:44	WG1050647
2-Butanone (MEK)	U		1.28	5.00	1	12/07/2017 12:44	WG1050647
Methylene Chloride	U		1.07	2.50	1	12/07/2017 12:44	WG1050647
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	12/07/2017 12:44	WG1050647
Methyl tert-butyl ether	U		0.102	0.500	1	12/07/2017 12:44	WG1050647
Naphthalene	U		0.174	2.50	1	12/07/2017 12:44	WG1050647
n-Propylbenzene	U		0.162	0.500	1	12/07/2017 12:44	WG1050647
Styrene	U		0.117	0.500	1	12/07/2017 12:44	WG1050647
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	12/07/2017 12:44	WG1050647
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	12/07/2017 12:44	WG1050647

JC 12/21/17

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	12/07/2017 12:44	WG1050647
Tetrachloroethene	U		0.199	0.500	1	12/07/2017 12:44	WG1050647
Toluene	U		0.412	0.500	1	12/07/2017 12:44	WG1050647
1,2,3-Trichlorobenzene	U		0.164	0.500	1	12/07/2017 12:44	WG1050647
1,2,4-Trichlorobenzene	U		0.355	0.500	1	12/07/2017 12:44	WG1050647
1,1,1-Trichloroethane	U		0.0940	0.500	1	12/07/2017 12:44	WG1050647
1,1,2-Trichloroethane	U		0.186	0.500	1	12/07/2017 12:44	WG1050647
Trichloroethene	U		0.153	0.500	1	12/07/2017 12:44	WG1050647
Trichlorofluoromethane	U		0.130	2.50	1	12/07/2017 12:44	WG1050647
1,2,3-Trichloropropane	U		0.247	2.50	1	12/07/2017 12:44	WG1050647
1,2,4-Trimethylbenzene	U		0.123	0.500	1	12/07/2017 12:44	WG1050647
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	12/07/2017 12:44	WG1050647
1,3,5-Trimethylbenzene	U		0.124	0.500	1	12/07/2017 12:44	WG1050647
Vinyl acetate	U	J4	0.645	5.00	1	12/07/2017 12:44	WG1050647
Vinyl chloride	U		0.118	0.500	1	12/07/2017 12:44	WG1050647
Xylenes, Total	U		0.316	1.50	1	12/07/2017 12:44	WG1050647
(S) Toluene-d8	*104*			*80.0-120*		*12/07/2017 12:44*	WG1050647
(S) Dibromofluoromethane	*98.0*			*76.0-123*		*12/07/2017 12:44*	WG1050647
(S) 4-Bromofluorobenzene	*97.1*			*80.0-120*		*12/07/2017 12:44*	WG1050647

JC 12/21/17

ANALYTICAL REPORT

December 15, 2017

PES Environmental, Inc.- WA

Sample Delivery Group: L956226
Samples Received: 12/08/2017
Project Number: 1413.001.02.602
Description: American Linen Project
Site: 1413.001.02.602

Report To: Bill Haldeman
1215 Fourth Ave., Suite 1350
Seattle, WA 98161

Entire Report Reviewed By: Brian Ford

Brian Ford
Technical Service Representative

TABLE OF CONTENTS

B-237-5 L956226-01 Solid

Collected by	Collected date/time	Received date/time
Karsten Springstead	12/06/17 09:00	12/08/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1052965	1	12/13/17 11:08	12/13/17 11:18	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1051921	1	12/06/17 09:00	12/13/17 16:52	BMB

B-237-35 L956226-02 Solid

Collected by	Collected date/time	Received date/time
Karsten Springstead	12/06/17 09:50	12/08/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1052965	1	12/13/17 11:08	12/13/17 11:18	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1051921	1	12/06/17 09:50	12/11/17 01:22	DWR

B-237-40 L956226-03 Solid

Collected by	Collected date/time	Received date/time
Karsten Springstead	12/06/17 09:55	12/08/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1052965	1	12/13/17 11:08	12/13/17 11:18	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1051921	1	12/06/17 09:55	12/11/17 01:43	DWR
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1051921	27	12/06/17 09:55	12/12/17 15:12	BMB

B-237-42 L956226-04 Solid

Collected by	Collected date/time	Received date/time
Karsten Springstead	12/06/17 10:00	12/08/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1052966	1	12/13/17 13:20	12/13/17 13:32	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1051921	1	12/06/17 10:00	12/11/17 02:04	GLN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1051921	200	12/06/17 10:00	12/12/17 16:57	BMB
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1051921	2000	12/06/17 10:00	12/13/17 18:17	BMB

B-925-41 L956226-05 Solid

Collected by	Collected date/time	Received date/time
Karsten Springstead	12/06/17 08:00	12/08/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1052965	1	12/13/17 11:08	12/13/17 11:18	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1051921	100	12/06/17 08:00	12/11/17 06:53	DWR
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1051921	2000	12/06/17 08:00	12/12/17 18:01	BMB

B-237-45 L956226-06 Solid

Collected by	Collected date/time	Received date/time
Karsten Springstead	12/06/17 10:10	12/08/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1052965	1	12/13/17 11:08	12/13/17 11:18	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1051921	1	12/06/17 10:10	12/11/17 02:25	DWR
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1051921	50	12/06/17 10:10	12/12/17 16:15	BMB
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1051921	500	12/06/17 10:10	12/13/17 17:56	BMB

B-238-6 L956226-07 Solid

Collected by	Collected date/time	Received date/time
Karsten Springstead	12/06/17 13:05	12/08/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1052965	1	12/13/17 11:08	12/13/17 11:18	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1051921	1	12/06/17 13:05	12/11/17 03:43	DWR
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1051921	1	12/06/17 13:05	12/12/17 14:50	BMB

B-238-11 L956226-08 Solid

Collected by	Collected date/time	Received date/time
Karsten Springstead	12/06/17 13:15	12/08/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1052966	1	12/13/17 13:20	12/13/17 13:32	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1051921	1	12/06/17 13:15	12/11/17 04:05	DWR
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1051921	500	12/06/17 13:15	12/12/17 17:39	BMB

B-238-16 L956226-09 Solid

Collected by	Collected date/time	Received date/time
Karsten Springstead	12/06/17 13:30	12/08/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1052966	1	12/13/17 13:20	12/13/17 13:32	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1051921	250	12/06/17 13:30	12/12/17 17:18	BMB

B-238-21 L956226-10 Solid

Collected by	Collected date/time	Received date/time
Karsten Springstead	12/06/17 13:35	12/08/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1052966	1	12/13/17 13:20	12/13/17 13:32	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1051921	1000	12/06/17 13:35	12/11/17 07:15	DWR
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1051921	5000	12/06/17 13:35	12/12/17 18:22	BMB

B-238-26 L956226-11 Solid

Collected by	Collected date/time	Received date/time
Karsten Springstead	12/06/17 13:40	12/08/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1052966	1	12/13/17 13:20	12/13/17 13:32	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1051921	1	12/06/17 13:40	12/11/17 04:47	DWR
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1051921	25	12/06/17 13:40	12/12/17 15:33	BMB

B-238-31 L956226-12 Solid

Collected by	Collected date/time	Received date/time
Karsten Springstead	12/06/17 13:50	12/08/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1052966	1	12/13/17 13:20	12/13/17 13:32	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1051921	1	12/06/17 13:50	12/11/17 05:08	DWR
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1051921	25	12/06/17 13:50	12/12/17 15:54	BMB

B-238-36 L956226-13 Solid

Collected by	Collected date/time	Received date/time
Karsten Springstead	12/06/17 14:00	12/08/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1052966	1	12/13/17 13:20	12/13/17 13:32	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1051921	1	12/06/17 14:00	12/11/17 05:29	DWR
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1051921	50	12/06/17 14:00	12/12/17 16:36	BMB

	Collected by	Collected date/time	Received date/time
TRIP BLANK L956226-14 GW	Karsten Springstead	12/06/17 00:00	12/08/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1053020	1	12/13/17 14:22	12/13/17 14:22	BMB
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1053020	1	12/14/17 05:54	12/14/17 05:54	JHH

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

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. All MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All radiochemical sample results for solids are reported on a dry weight basis with the exception of tritium, carbon-14 and radon, unless wet weight was requested by the client. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Brian Ford

Brian Ford
Technical Service Representative

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

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	85.9		1	12/13/2017 11:18	WG1052965

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.0197	J	0.0116	0.0582	1	12/13/2017 16:52	WG1051921
Acrylonitrile	U		0.00208	0.0116	1	12/13/2017 16:52	WG1051921
Benzene	U		0.000314	0.00116	1	12/13/2017 16:52	WG1051921
Bromobenzene	U		0.000331	0.00116	1	12/13/2017 16:52	WG1051921
Bromodichloromethane	U		0.000296	0.00116	1	12/13/2017 16:52	WG1051921
Bromochloromethane	U		0.000454	0.00582	1	12/13/2017 16:52	WG1051921
Bromoform	U		0.000494	0.00116	1	12/13/2017 16:52	WG1051921
Bromomethane	U		0.00156	0.00582	1	12/13/2017 16:52	WG1051921
n-Butylbenzene	U		0.000301	0.00116	1	12/13/2017 16:52	WG1051921
sec-Butylbenzene	U		0.000234	0.00116	1	12/13/2017 16:52	WG1051921
tert-Butylbenzene	U		0.000240	0.00116	1	12/13/2017 16:52	WG1051921
Carbon disulfide	U		0.000257	0.00116	1	12/13/2017 16:52	WG1051921
Carbon tetrachloride	U		0.000382	0.00116	1	12/13/2017 16:52	WG1051921
Chlorobenzene	U		0.000247	0.00116	1	12/13/2017 16:52	WG1051921
Chlorodibromomethane	U		0.000434	0.00116	1	12/13/2017 16:52	WG1051921
Chloroethane	U		0.00110	0.00582	1	12/13/2017 16:52	WG1051921
Chloroform	U		0.000267	0.00582	1	12/13/2017 16:52	WG1051921
Chloromethane	U		0.000437	0.00291	1	12/13/2017 16:52	WG1051921
2-Chlorotoluene	U		0.000351	0.00116	1	12/13/2017 16:52	WG1051921
4-Chlorotoluene	U		0.000280	0.00116	1	12/13/2017 16:52	WG1051921
1,2-Dibromo-3-Chloropropane	U		0.00122	0.00582	1	12/13/2017 16:52	WG1051921
1,2-Dibromoethane	U		0.000400	0.00116	1	12/13/2017 16:52	WG1051921
Dibromomethane	U		0.000445	0.00116	1	12/13/2017 16:52	WG1051921
1,2-Dichlorobenzene	U		0.000355	0.00116	1	12/13/2017 16:52	WG1051921
1,3-Dichlorobenzene	U		0.000278	0.00116	1	12/13/2017 16:52	WG1051921
1,4-Dichlorobenzene	U		0.000263	0.00116	1	12/13/2017 16:52	WG1051921
Dichlorodifluoromethane	U		0.000830	0.00582	1	12/13/2017 16:52	WG1051921
1,1-Dichloroethane	U		0.000232	0.00116	1	12/13/2017 16:52	WG1051921
1,2-Dichloroethane	U		0.000309	0.00116	1	12/13/2017 16:52	WG1051921
1,1-Dichloroethene	U		0.000353	0.00116	1	12/13/2017 16:52	WG1051921
cis-1,2-Dichloroethene	U		0.000274	0.00116	1	12/13/2017 16:52	WG1051921
trans-1,2-Dichloroethene	U		0.000307	0.00116	1	12/13/2017 16:52	WG1051921
1,2-Dichloropropane	U		0.000417	0.00116	1	12/13/2017 16:52	WG1051921
1,1-Dichloropropene	U		0.000369	0.00116	1	12/13/2017 16:52	WG1051921
1,3-Dichloropropane	U		0.000241	0.00116	1	12/13/2017 16:52	WG1051921
cis-1,3-Dichloropropene	U		0.000305	0.00116	1	12/13/2017 16:52	WG1051921
trans-1,3-Dichloropropene	U		0.000311	0.00116	1	12/13/2017 16:52	WG1051921
trans-1,4-Dichloro-2-butene	U		0.000906	0.00291	1	12/13/2017 16:52	WG1051921
2,2-Dichloropropane	U	J4	0.000325	0.00116	1	12/13/2017 16:52	WG1051921
Di-isopropyl ether	U		0.000289	0.00116	1	12/13/2017 16:52	WG1051921
Ethylbenzene	U		0.000346	0.00116	1	12/13/2017 16:52	WG1051921
Hexachloro-1,3-butadiene	U		0.000398	0.00116	1	12/13/2017 16:52	WG1051921
2-Hexanone	U		0.00160	0.0116	1	12/13/2017 16:52	WG1051921
n-Hexane	U		0.000338	0.0116	1	12/13/2017 16:52	WG1051921
Iodomethane	U		0.00295	0.0116	1	12/13/2017 16:52	WG1051921
Isopropylbenzene	U		0.000283	0.00116	1	12/13/2017 16:52	WG1051921
p-Isopropyltoluene	U		0.000238	0.00116	1	12/13/2017 16:52	WG1051921
2-Butanone (MEK)	U		0.00545	0.0116	1	12/13/2017 16:52	WG1051921
Methylene Chloride	U		0.00116	0.00582	1	12/13/2017 16:52	WG1051921
4-Methyl-2-pentanone (MIBK)	U		0.00219	0.0116	1	12/13/2017 16:52	WG1051921

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000247	0.00116	1	12/13/2017 16:52	WG1051921
Naphthalene	U		0.00116	0.00582	1	12/13/2017 16:52	WG1051921
n-Propylbenzene	U		0.000240	0.00116	1	12/13/2017 16:52	WG1051921
Styrene	U		0.000273	0.00116	1	12/13/2017 16:52	WG1051921
1,1,1,2-Tetrachloroethane	U		0.000307	0.00116	1	12/13/2017 16:52	WG1051921
1,1,2,2-Tetrachloroethane	U		0.000425	0.00116	1	12/13/2017 16:52	WG1051921
1,1,2-Trichlorotrifluoroethane	U		0.000425	0.00116	1	12/13/2017 16:52	WG1051921
Tetrachloroethene	0.00814		0.000321	0.00116	1	12/13/2017 16:52	WG1051921
Toluene	U		0.000505	0.00582	1	12/13/2017 16:52	WG1051921
1,2,3-Trichlorobenzene	U		0.000356	0.00116	1	12/13/2017 16:52	WG1051921
1,2,4-Trichlorobenzene	U		0.000452	0.00116	1	12/13/2017 16:52	WG1051921
1,1,1-Trichloroethane	U		0.000333	0.00116	1	12/13/2017 16:52	WG1051921
1,1,2-Trichloroethane	U		0.000323	0.00116	1	12/13/2017 16:52	WG1051921
Trichloroethene	U		0.000325	0.00116	1	12/13/2017 16:52	WG1051921
Trichlorofluoromethane	U		0.000445	0.00582	1	12/13/2017 16:52	WG1051921
1,2,3-Trichloropropane	U		0.000863	0.00291	1	12/13/2017 16:52	WG1051921
1,2,4-Trimethylbenzene	U		0.000246	0.00116	1	12/13/2017 16:52	WG1051921
1,2,3-Trimethylbenzene	U		0.000334	0.00116	1	12/13/2017 16:52	WG1051921
1,3,5-Trimethylbenzene	U		0.000310	0.00116	1	12/13/2017 16:52	WG1051921
Vinyl acetate	U		0.00278	0.0116	1	12/13/2017 16:52	WG1051921
Vinyl chloride	U		0.000339	0.00116	1	12/13/2017 16:52	WG1051921
Xylenes, Total	U		0.000813	0.00349	1	12/13/2017 16:52	WG1051921
(S) Toluene-d8	*93.2*			*80.0-120*		*12/13/2017 16:52*	WG1051921
(S) Dibromofluoromethane	*102*			*74.0-131*		*12/13/2017 16:52*	WG1051921
(S) 4-Bromofluorobenzene	*96.7*			*64.0-132*		*12/13/2017 16:52*	WG1051921

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	85.6		1	12/13/2017 11:18	WG1052965

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0117	0.0584	1	12/11/2017 01:22	WG1051921
Acrylonitrile	U		0.00209	0.0117	1	12/11/2017 01:22	WG1051921
Benzene	U		0.000315	0.00117	1	12/11/2017 01:22	WG1051921
Bromobenzene	U		0.000332	0.00117	1	12/11/2017 01:22	WG1051921
Bromodichloromethane	U		0.000297	0.00117	1	12/11/2017 01:22	WG1051921
Bromochloromethane	U		0.000456	0.00584	1	12/11/2017 01:22	WG1051921
Bromoform	U		0.000495	0.00117	1	12/11/2017 01:22	WG1051921
Bromomethane	U		0.00157	0.00584	1	12/11/2017 01:22	WG1051921
n-Butylbenzene	U		0.000301	0.00117	1	12/11/2017 01:22	WG1051921
sec-Butylbenzene	U		0.000235	0.00117	1	12/11/2017 01:22	WG1051921
tert-Butylbenzene	U		0.000241	0.00117	1	12/11/2017 01:22	WG1051921
Carbon disulfide	U		0.000258	0.00117	1	12/11/2017 01:22	WG1051921
Carbon tetrachloride	U		0.000383	0.00117	1	12/11/2017 01:22	WG1051921
Chlorobenzene	U		0.000248	0.00117	1	12/11/2017 01:22	WG1051921
Chlorodibromomethane	U		0.000436	0.00117	1	12/11/2017 01:22	WG1051921
Chloroethane	U		0.00110	0.00584	1	12/11/2017 01:22	WG1051921
Chloroform	U		0.000267	0.00584	1	12/11/2017 01:22	WG1051921
Chloromethane	U		0.000438	0.00292	1	12/11/2017 01:22	WG1051921
2-Chlorotoluene	U		0.000352	0.00117	1	12/11/2017 01:22	WG1051921
4-Chlorotoluene	U		0.000280	0.00117	1	12/11/2017 01:22	WG1051921
1,2-Dibromo-3-Chloropropane	U		0.00123	0.00584	1	12/11/2017 01:22	WG1051921
1,2-Dibromoethane	U		0.000401	0.00117	1	12/11/2017 01:22	WG1051921
Dibromomethane	U		0.000446	0.00117	1	12/11/2017 01:22	WG1051921
1,2-Dichlorobenzene	U		0.000356	0.00117	1	12/11/2017 01:22	WG1051921
1,3-Dichlorobenzene	U		0.000279	0.00117	1	12/11/2017 01:22	WG1051921
1,4-Dichlorobenzene	U		0.000264	0.00117	1	12/11/2017 01:22	WG1051921
Dichlorodifluoromethane	U		0.000833	0.00584	1	12/11/2017 01:22	WG1051921
1,1-Dichloroethane	U		0.000232	0.00117	1	12/11/2017 01:22	WG1051921
1,2-Dichloroethane	U		0.000310	0.00117	1	12/11/2017 01:22	WG1051921
1,1-Dichloroethene	U		0.000354	0.00117	1	12/11/2017 01:22	WG1051921
cis-1,2-Dichloroethene	U		0.000274	0.00117	1	12/11/2017 01:22	WG1051921
trans-1,2-Dichloroethene	U		0.000308	0.00117	1	12/11/2017 01:22	WG1051921
1,2-Dichloropropane	U		0.000418	0.00117	1	12/11/2017 01:22	WG1051921
1,1-Dichloropropene	U		0.000370	0.00117	1	12/11/2017 01:22	WG1051921
1,3-Dichloropropane	U		0.000242	0.00117	1	12/11/2017 01:22	WG1051921
cis-1,3-Dichloropropene	U		0.000306	0.00117	1	12/11/2017 01:22	WG1051921
trans-1,3-Dichloropropene	U		0.000312	0.00117	1	12/11/2017 01:22	WG1051921
trans-1,4-Dichloro-2-butene	U	J0	0.000909	0.00292	1	12/11/2017 01:22	WG1051921
2,2-Dichloropropane	U	J4	0.000326	0.00117	1	12/11/2017 01:22	WG1051921
Di-isopropyl ether	U		0.000290	0.00117	1	12/11/2017 01:22	WG1051921
Ethylbenzene	U		0.000347	0.00117	1	12/11/2017 01:22	WG1051921
Hexachloro-1,3-butadiene	U		0.000399	0.00117	1	12/11/2017 01:22	WG1051921
2-Hexanone	U		0.00160	0.0117	1	12/11/2017 01:22	WG1051921
n-Hexane	U		0.000339	0.0117	1	12/11/2017 01:22	WG1051921
Iodomethane	U		0.00296	0.0117	1	12/11/2017 01:22	WG1051921
Isopropylbenzene	U		0.000284	0.00117	1	12/11/2017 01:22	WG1051921
p-Isopropyltoluene	U		0.000238	0.00117	1	12/11/2017 01:22	WG1051921
2-Butanone (MEK)	U		0.00547	0.0117	1	12/11/2017 01:22	WG1051921
Methylene Chloride	U		0.00117	0.00584	1	12/11/2017 01:22	WG1051921
4-Methyl-2-pentanone (MIBK)	U		0.00220	0.0117	1	12/11/2017 01:22	WG1051921

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000248	0.00117	1	12/11/2017 01:22	WG1051921
Naphthalene	U		0.00117	0.00584	1	12/11/2017 01:22	WG1051921
n-Propylbenzene	U		0.000241	0.00117	1	12/11/2017 01:22	WG1051921
Styrene	U		0.000273	0.00117	1	12/11/2017 01:22	WG1051921
1,1,1,2-Tetrachloroethane	U		0.000308	0.00117	1	12/11/2017 01:22	WG1051921
1,1,2,2-Tetrachloroethane	U		0.000426	0.00117	1	12/11/2017 01:22	WG1051921
1,1,2-Trichlorotrifluoroethane	U		0.000426	0.00117	1	12/11/2017 01:22	WG1051921
Tetrachloroethene	0.000770	J	0.000322	0.00117	1	12/11/2017 01:22	WG1051921
Toluene	U		0.000507	0.00584	1	12/11/2017 01:22	WG1051921
1,2,3-Trichlorobenzene	U		0.000357	0.00117	1	12/11/2017 01:22	WG1051921
1,2,4-Trichlorobenzene	U		0.000453	0.00117	1	12/11/2017 01:22	WG1051921
1,1,1-Trichloroethane	U		0.000334	0.00117	1	12/11/2017 01:22	WG1051921
1,1,2-Trichloroethane	U		0.000324	0.00117	1	12/11/2017 01:22	WG1051921
Trichloroethene	U		0.000326	0.00117	1	12/11/2017 01:22	WG1051921
Trichlorofluoromethane	U		0.000446	0.00584	1	12/11/2017 01:22	WG1051921
1,2,3-Trichloropropane	U		0.000866	0.00292	1	12/11/2017 01:22	WG1051921
1,2,4-Trimethylbenzene	U		0.000246	0.00117	1	12/11/2017 01:22	WG1051921
1,2,3-Trimethylbenzene	U		0.000335	0.00117	1	12/11/2017 01:22	WG1051921
1,3,5-Trimethylbenzene	U		0.000311	0.00117	1	12/11/2017 01:22	WG1051921
Vinyl acetate	U		0.00279	0.0117	1	12/11/2017 01:22	WG1051921
Vinyl chloride	U		0.000340	0.00117	1	12/11/2017 01:22	WG1051921
Xylenes, Total	U		0.000815	0.00350	1	12/11/2017 01:22	WG1051921
(S) Toluene-d8	*93.0*			*80.0-120*		*12/11/2017 01:22*	WG1051921
(S) Dibromofluoromethane	*106*			*74.0-131*		*12/11/2017 01:22*	WG1051921
(S) 4-Bromofluorobenzene	*101*			*64.0-132*		*12/11/2017 01:22*	WG1051921

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	93.1		1	12/13/2017 11:18	WG1052965

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0107	0.0537	1	12/11/2017 01:43	WG1051921
Acrylonitrile	U		0.00192	0.0107	1	12/11/2017 01:43	WG1051921
Benzene	U		0.000290	0.00107	1	12/11/2017 01:43	WG1051921
Bromobenzene	U		0.000305	0.00107	1	12/11/2017 01:43	WG1051921
Bromodichloromethane	U		0.000273	0.00107	1	12/11/2017 01:43	WG1051921
Bromochloromethane	U		0.000419	0.00537	1	12/11/2017 01:43	WG1051921
Bromoform	U		0.000456	0.00107	1	12/11/2017 01:43	WG1051921
Bromomethane	U		0.00144	0.00537	1	12/11/2017 01:43	WG1051921
n-Butylbenzene	U		0.000277	0.00107	1	12/11/2017 01:43	WG1051921
sec-Butylbenzene	U		0.000216	0.00107	1	12/11/2017 01:43	WG1051921
tert-Butylbenzene	U		0.000221	0.00107	1	12/11/2017 01:43	WG1051921
Carbon disulfide	U		0.000237	0.00107	1	12/11/2017 01:43	WG1051921
Carbon tetrachloride	U		0.000352	0.00107	1	12/11/2017 01:43	WG1051921
Chlorobenzene	U		0.000228	0.00107	1	12/11/2017 01:43	WG1051921
Chlorodibromomethane	U		0.000401	0.00107	1	12/11/2017 01:43	WG1051921
Chloroethane	U		0.00102	0.00537	1	12/11/2017 01:43	WG1051921
Chloroform	U		0.000246	0.00537	1	12/11/2017 01:43	WG1051921
Chloromethane	U		0.000403	0.00269	1	12/11/2017 01:43	WG1051921
2-Chlorotoluene	U		0.000323	0.00107	1	12/11/2017 01:43	WG1051921
4-Chlorotoluene	U		0.000258	0.00107	1	12/11/2017 01:43	WG1051921
1,2-Dibromo-3-Chloropropane	U		0.00113	0.00537	1	12/11/2017 01:43	WG1051921
1,2-Dibromoethane	U		0.000369	0.00107	1	12/11/2017 01:43	WG1051921
Dibromomethane	U		0.000410	0.00107	1	12/11/2017 01:43	WG1051921
1,2-Dichlorobenzene	U		0.000328	0.00107	1	12/11/2017 01:43	WG1051921
1,3-Dichlorobenzene	U		0.000257	0.00107	1	12/11/2017 01:43	WG1051921
1,4-Dichlorobenzene	U		0.000243	0.00107	1	12/11/2017 01:43	WG1051921
Dichlorodifluoromethane	U		0.000766	0.00537	1	12/11/2017 01:43	WG1051921
1,1-Dichloroethane	U		0.000214	0.00107	1	12/11/2017 01:43	WG1051921
1,2-Dichloroethane	U		0.000285	0.00107	1	12/11/2017 01:43	WG1051921
1,1-Dichloroethene	0.000480	J	0.000326	0.00107	1	12/11/2017 01:43	WG1051921
cis-1,2-Dichloroethene	1.34		0.00681	0.0290	27	12/12/2017 15:12	WG1051921
trans-1,2-Dichloroethene	U		0.000284	0.00107	1	12/11/2017 01:43	WG1051921
1,2-Dichloropropane	U		0.000385	0.00107	1	12/11/2017 01:43	WG1051921
1,1-Dichloropropene	U		0.000341	0.00107	1	12/11/2017 01:43	WG1051921
1,3-Dichloropropane	U		0.000222	0.00107	1	12/11/2017 01:43	WG1051921
cis-1,3-Dichloropropene	U		0.000282	0.00107	1	12/11/2017 01:43	WG1051921
trans-1,3-Dichloropropene	U		0.000287	0.00107	1	12/11/2017 01:43	WG1051921
trans-1,4-Dichloro-2-butene	U	J0	0.000836	0.00269	1	12/11/2017 01:43	WG1051921
2,2-Dichloropropane	U	J4	0.000300	0.00107	1	12/11/2017 01:43	WG1051921
Di-isopropyl ether	U		0.000266	0.00107	1	12/11/2017 01:43	WG1051921
Ethylbenzene	U		0.000319	0.00107	1	12/11/2017 01:43	WG1051921
Hexachloro-1,3-butadiene	U		0.000367	0.00107	1	12/11/2017 01:43	WG1051921
2-Hexanone	U		0.00147	0.0107	1	12/11/2017 01:43	WG1051921
n-Hexane	U		0.000312	0.0107	1	12/11/2017 01:43	WG1051921
Iodomethane	U		0.00272	0.0107	1	12/11/2017 01:43	WG1051921
Isopropylbenzene	U		0.000261	0.00107	1	12/11/2017 01:43	WG1051921
p-Isopropyltoluene	U		0.000219	0.00107	1	12/11/2017 01:43	WG1051921
2-Butanone (MEK)	U		0.00503	0.0107	1	12/11/2017 01:43	WG1051921
Methylene Chloride	U		0.00107	0.00537	1	12/11/2017 01:43	WG1051921
4-Methyl-2-pentanone (MIBK)	U		0.00202	0.0107	1	12/11/2017 01:43	WG1051921

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000228	0.00107	1	12/11/2017 01:43	WG1051921
Naphthalene	U		0.00107	0.00537	1	12/11/2017 01:43	WG1051921
n-Propylbenzene	U		0.000221	0.00107	1	12/11/2017 01:43	WG1051921
Styrene	U		0.000251	0.00107	1	12/11/2017 01:43	WG1051921
1,1,1,2-Tetrachloroethane	U		0.000284	0.00107	1	12/11/2017 01:43	WG1051921
1,1,2,2-Tetrachloroethane	U		0.000392	0.00107	1	12/11/2017 01:43	WG1051921
1,1,2-Trichlorotrifluoroethane	U		0.000392	0.00107	1	12/11/2017 01:43	WG1051921
Tetrachloroethene	2.57		0.00800	0.0290	27	12/12/2017 15:12	WG1051921
Toluene	U		0.000466	0.00537	1	12/11/2017 01:43	WG1051921
1,2,3-Trichlorobenzene	U		0.000329	0.00107	1	12/11/2017 01:43	WG1051921
1,2,4-Trichlorobenzene	U		0.000417	0.00107	1	12/11/2017 01:43	WG1051921
1,1,1-Trichloroethane	U		0.000307	0.00107	1	12/11/2017 01:43	WG1051921
1,1,2-Trichloroethane	U		0.000298	0.00107	1	12/11/2017 01:43	WG1051921
Trichloroethene	0.0163		0.000300	0.00107	1	12/11/2017 01:43	WG1051921
Trichlorofluoromethane	U		0.000410	0.00537	1	12/11/2017 01:43	WG1051921
1,2,3-Trichloropropane	U		0.000796	0.00269	1	12/11/2017 01:43	WG1051921
1,2,4-Trimethylbenzene	U		0.000227	0.00107	1	12/11/2017 01:43	WG1051921
1,2,3-Trimethylbenzene	U		0.000308	0.00107	1	12/11/2017 01:43	WG1051921
1,3,5-Trimethylbenzene	U		0.000286	0.00107	1	12/11/2017 01:43	WG1051921
Vinyl acetate	U		0.00257	0.0107	1	12/11/2017 01:43	WG1051921
Vinyl chloride	U		0.000313	0.00107	1	12/11/2017 01:43	WG1051921
Xylenes, Total	U		0.000750	0.00322	1	12/11/2017 01:43	WG1051921
(S) Toluene-d8	*98.4*			*80.0-120*		*12/12/2017 15:12*	WG1051921
(S) Toluene-d8	*89.8*			*80.0-120*		*12/11/2017 01:43*	WG1051921
(S) Dibromofluoromethane	*98.4*			*74.0-131*		*12/12/2017 15:12*	WG1051921
(S) Dibromofluoromethane	*107*			*74.0-131*		*12/11/2017 01:43*	WG1051921
(S) 4-Bromofluorobenzene	*97.2*			*64.0-132*		*12/12/2017 15:12*	WG1051921
(S) 4-Bromofluorobenzene	*102*			*64.0-132*		*12/11/2017 01:43*	WG1051921

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

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	84.6		1	12/13/2017 13:32	WG1052966

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0118	0.0591	1	12/11/2017 02:04	WG1051921
Acrylonitrile	U		0.00212	0.0118	1	12/11/2017 02:04	WG1051921
Benzene	U		0.000319	0.00118	1	12/11/2017 02:04	WG1051921
Bromobenzene	U		0.000336	0.00118	1	12/11/2017 02:04	WG1051921
Bromodichloromethane	U		0.000300	0.00118	1	12/11/2017 02:04	WG1051921
Bromochloromethane	U		0.000461	0.00591	1	12/11/2017 02:04	WG1051921
Bromoform	U		0.000501	0.00118	1	12/11/2017 02:04	WG1051921
Bromomethane	U		0.00158	0.00591	1	12/11/2017 02:04	WG1051921
n-Butylbenzene	U		0.000305	0.00118	1	12/11/2017 02:04	WG1051921
sec-Butylbenzene	U		0.000238	0.00118	1	12/11/2017 02:04	WG1051921
tert-Butylbenzene	U		0.000243	0.00118	1	12/11/2017 02:04	WG1051921
Carbon disulfide	0.000656	J	0.000261	0.00118	1	12/11/2017 02:04	WG1051921
Carbon tetrachloride	U		0.000388	0.00118	1	12/11/2017 02:04	WG1051921
Chlorobenzene	U		0.000251	0.00118	1	12/11/2017 02:04	WG1051921
Chlorodibromomethane	U		0.000441	0.00118	1	12/11/2017 02:04	WG1051921
Chloroethane	U		0.00112	0.00591	1	12/11/2017 02:04	WG1051921
Chloroform	U		0.000271	0.00591	1	12/11/2017 02:04	WG1051921
Chloromethane	U		0.000443	0.00295	1	12/11/2017 02:04	WG1051921
2-Chlorotoluene	U		0.000356	0.00118	1	12/11/2017 02:04	WG1051921
4-Chlorotoluene	U		0.000284	0.00118	1	12/11/2017 02:04	WG1051921
1,2-Dibromo-3-Chloropropane	U		0.00124	0.00591	1	12/11/2017 02:04	WG1051921
1,2-Dibromoethane	U		0.000405	0.00118	1	12/11/2017 02:04	WG1051921
Dibromomethane	U		0.000451	0.00118	1	12/11/2017 02:04	WG1051921
1,2-Dichlorobenzene	U		0.000360	0.00118	1	12/11/2017 02:04	WG1051921
1,3-Dichlorobenzene	U		0.000282	0.00118	1	12/11/2017 02:04	WG1051921
1,4-Dichlorobenzene	U		0.000267	0.00118	1	12/11/2017 02:04	WG1051921
Dichlorodifluoromethane	U		0.000843	0.00591	1	12/11/2017 02:04	WG1051921
1,1-Dichloroethane	U		0.000235	0.00118	1	12/11/2017 02:04	WG1051921
1,2-Dichloroethane	U		0.000313	0.00118	1	12/11/2017 02:04	WG1051921
1,1-Dichloroethene	0.00854		0.000358	0.00118	1	12/11/2017 02:04	WG1051921
cis-1,2-Dichloroethene	1.84		0.0555	0.236	200	12/12/2017 16:57	WG1051921
trans-1,2-Dichloroethene	0.00338		0.000312	0.00118	1	12/11/2017 02:04	WG1051921
1,2-Dichloropropane	U		0.000423	0.00118	1	12/11/2017 02:04	WG1051921
1,1-Dichloropropene	U		0.000375	0.00118	1	12/11/2017 02:04	WG1051921
1,3-Dichloropropane	U		0.000245	0.00118	1	12/11/2017 02:04	WG1051921
cis-1,3-Dichloropropene	U		0.000310	0.00118	1	12/11/2017 02:04	WG1051921
trans-1,3-Dichloropropene	U		0.000316	0.00118	1	12/11/2017 02:04	WG1051921
trans-1,4-Dichloro-2-butene	U		0.000919	0.00295	1	12/11/2017 02:04	WG1051921
2,2-Dichloropropane	U	J4	0.000330	0.00118	1	12/11/2017 02:04	WG1051921
Di-isopropyl ether	U		0.000293	0.00118	1	12/11/2017 02:04	WG1051921
Ethylbenzene	U		0.000351	0.00118	1	12/11/2017 02:04	WG1051921
Hexachloro-1,3-butadiene	U		0.000404	0.00118	1	12/11/2017 02:04	WG1051921
2-Hexanone	U		0.00162	0.0118	1	12/11/2017 02:04	WG1051921
n-Hexane	U		0.000343	0.0118	1	12/11/2017 02:04	WG1051921
Iodomethane	U		0.00299	0.0118	1	12/11/2017 02:04	WG1051921
Isopropylbenzene	U		0.000287	0.00118	1	12/11/2017 02:04	WG1051921
p-Isopropyltoluene	U		0.000241	0.00118	1	12/11/2017 02:04	WG1051921
2-Butanone (MEK)	U		0.00553	0.0118	1	12/11/2017 02:04	WG1051921
Methylene Chloride	U		0.00118	0.00591	1	12/11/2017 02:04	WG1051921
4-Methyl-2-pentanone (MIBK)	U		0.00222	0.0118	1	12/11/2017 02:04	WG1051921

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000251	0.00118	1	12/11/2017 02:04	WG1051921
Naphthalene	U		0.00118	0.00591	1	12/11/2017 02:04	WG1051921
n-Propylbenzene	U		0.000243	0.00118	1	12/11/2017 02:04	WG1051921
Styrene	U		0.000277	0.00118	1	12/11/2017 02:04	WG1051921
1,1,1,2-Tetrachloroethane	U		0.000312	0.00118	1	12/11/2017 02:04	WG1051921
1,1,2,2-Tetrachloroethane	U		0.000431	0.00118	1	12/11/2017 02:04	WG1051921
1,1,2-Trichlorotrifluoroethane	U		0.000431	0.00118	1	12/11/2017 02:04	WG1051921
Tetrachloroethene	24.1		0.652	2.36	2000	12/13/2017 18:17	WG1051921
Toluene	0.000539	J	0.000513	0.00591	1	12/11/2017 02:04	WG1051921
1,2,3-Trichlorobenzene	U		0.000362	0.00118	1	12/11/2017 02:04	WG1051921
1,2,4-Trichlorobenzene	U		0.000459	0.00118	1	12/11/2017 02:04	WG1051921
1,1,1-Trichloroethane	U		0.000338	0.00118	1	12/11/2017 02:04	WG1051921
1,1,2-Trichloroethane	U		0.000327	0.00118	1	12/11/2017 02:04	WG1051921
Trichloroethene	0.746		0.0659	0.236	200	12/12/2017 16:57	WG1051921
Trichlorofluoromethane	U		0.000451	0.00591	1	12/11/2017 02:04	WG1051921
1,2,3-Trichloropropane	U		0.000876	0.00295	1	12/11/2017 02:04	WG1051921
1,2,4-Trimethylbenzene	0.000557	J	0.000249	0.00118	1	12/11/2017 02:04	WG1051921
1,2,3-Trimethylbenzene	U		0.000339	0.00118	1	12/11/2017 02:04	WG1051921
1,3,5-Trimethylbenzene	U		0.000314	0.00118	1	12/11/2017 02:04	WG1051921
Vinyl acetate	U		0.00282	0.0118	1	12/11/2017 02:04	WG1051921
Vinyl chloride	0.290	E	0.000344	0.00118	1	12/11/2017 02:04	WG1051921
Xylenes, Total	U		0.000825	0.00355	1	12/11/2017 02:04	WG1051921
(S) Toluene-d8	*94.6*			*80.0-120*		*12/11/2017 02:04*	WG1051921
(S) Toluene-d8	*99.4*			*80.0-120*		*12/13/2017 18:17*	WG1051921
(S) Toluene-d8	*98.9*			*80.0-120*		*12/12/2017 16:57*	WG1051921
(S) Dibromofluoromethane	*106*			*74.0-131*		*12/11/2017 02:04*	WG1051921
(S) Dibromofluoromethane	*97.5*			*74.0-131*		*12/13/2017 18:17*	WG1051921
(S) Dibromofluoromethane	*98.0*			*74.0-131*		*12/12/2017 16:57*	WG1051921
(S) 4-Bromofluorobenzene	*99.1*			*64.0-132*		*12/13/2017 18:17*	WG1051921
(S) 4-Bromofluorobenzene	*105*			*64.0-132*		*12/11/2017 02:04*	WG1051921
(S) 4-Bromofluorobenzene	*96.4*			*64.0-132*		*12/12/2017 16:57*	WG1051921

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

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

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	78.3		1	12/13/2017 11:18	WG1052965

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		1.28	6.38	100	12/11/2017 06:53	WG1051921
Acrylonitrile	U		0.229	1.28	100	12/11/2017 06:53	WG1051921
Benzene	U		0.0345	0.128	100	12/11/2017 06:53	WG1051921
Bromobenzene	U		0.0363	0.128	100	12/11/2017 06:53	WG1051921
Bromodichloromethane	U		0.0324	0.128	100	12/11/2017 06:53	WG1051921
Bromochloromethane	U		0.0498	0.638	100	12/11/2017 06:53	WG1051921
Bromoform	U		0.0541	0.128	100	12/11/2017 06:53	WG1051921
Bromomethane	U		0.171	0.638	100	12/11/2017 06:53	WG1051921
n-Butylbenzene	U		0.0329	0.128	100	12/11/2017 06:53	WG1051921
sec-Butylbenzene	U		0.0257	0.128	100	12/11/2017 06:53	WG1051921
tert-Butylbenzene	U		0.0263	0.128	100	12/11/2017 06:53	WG1051921
Carbon disulfide	U		0.0282	0.128	100	12/11/2017 06:53	WG1051921
Carbon tetrachloride	U		0.0419	0.128	100	12/11/2017 06:53	WG1051921
Chlorobenzene	U		0.0271	0.128	100	12/11/2017 06:53	WG1051921
Chlorodibromomethane	U		0.0476	0.128	100	12/11/2017 06:53	WG1051921
Chloroethane	U		0.121	0.638	100	12/11/2017 06:53	WG1051921
Chloroform	U		0.0292	0.638	100	12/11/2017 06:53	WG1051921
Chloromethane	U		0.0479	0.319	100	12/11/2017 06:53	WG1051921
2-Chlorotoluene	U		0.0384	0.128	100	12/11/2017 06:53	WG1051921
4-Chlorotoluene	U		0.0306	0.128	100	12/11/2017 06:53	WG1051921
1,2-Dibromo-3-Chloropropane	U		0.134	0.638	100	12/11/2017 06:53	WG1051921
1,2-Dibromoethane	U		0.0438	0.128	100	12/11/2017 06:53	WG1051921
Dibromomethane	U		0.0488	0.128	100	12/11/2017 06:53	WG1051921
1,2-Dichlorobenzene	U		0.0389	0.128	100	12/11/2017 06:53	WG1051921
1,3-Dichlorobenzene	U		0.0305	0.128	100	12/11/2017 06:53	WG1051921
1,4-Dichlorobenzene	U		0.0289	0.128	100	12/11/2017 06:53	WG1051921
Dichlorodifluoromethane	U		0.0910	0.638	100	12/11/2017 06:53	WG1051921
1,1-Dichloroethane	U		0.0254	0.128	100	12/11/2017 06:53	WG1051921
1,2-Dichloroethane	U		0.0338	0.128	100	12/11/2017 06:53	WG1051921
1,1-Dichloroethene	U		0.0387	0.128	100	12/11/2017 06:53	WG1051921
cis-1,2-Dichloroethene	4.51		0.0300	0.128	100	12/11/2017 06:53	WG1051921
trans-1,2-Dichloroethene	U		0.0337	0.128	100	12/11/2017 06:53	WG1051921
1,2-Dichloropropane	U		0.0457	0.128	100	12/11/2017 06:53	WG1051921
1,1-Dichloropropene	U		0.0405	0.128	100	12/11/2017 06:53	WG1051921
1,3-Dichloropropane	U		0.0264	0.128	100	12/11/2017 06:53	WG1051921
cis-1,3-Dichloropropene	U		0.0335	0.128	100	12/11/2017 06:53	WG1051921
trans-1,3-Dichloropropene	U		0.0341	0.128	100	12/11/2017 06:53	WG1051921
trans-1,4-Dichloro-2-butene	U	J0	0.0993	0.319	100	12/11/2017 06:53	WG1051921
2,2-Dichloropropane	U	J4	0.0356	0.128	100	12/11/2017 06:53	WG1051921
Di-isopropyl ether	U		0.0317	0.128	100	12/11/2017 06:53	WG1051921
Ethylbenzene	U		0.0379	0.128	100	12/11/2017 06:53	WG1051921
Hexachloro-1,3-butadiene	U		0.0437	0.128	100	12/11/2017 06:53	WG1051921
2-Hexanone	U		0.175	1.28	100	12/11/2017 06:53	WG1051921
n-Hexane	U		0.0370	1.28	100	12/11/2017 06:53	WG1051921
Iodomethane	U		0.323	1.28	100	12/11/2017 06:53	WG1051921
Isopropylbenzene	U		0.0310	0.128	100	12/11/2017 06:53	WG1051921
p-Isopropyltoluene	U		0.0260	0.128	100	12/11/2017 06:53	WG1051921
2-Butanone (MEK)	U		0.598	1.28	100	12/11/2017 06:53	WG1051921
Methylene Chloride	U		0.128	0.638	100	12/11/2017 06:53	WG1051921
4-Methyl-2-pentanone (MIBK)	U		0.240	1.28	100	12/11/2017 06:53	WG1051921

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

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.0271	0.128	100	12/11/2017 06:53	WG1051921
Naphthalene	U		0.128	0.638	100	12/11/2017 06:53	WG1051921
n-Propylbenzene	U		0.0263	0.128	100	12/11/2017 06:53	WG1051921
Styrene	U		0.0299	0.128	100	12/11/2017 06:53	WG1051921
1,1,1,2-Tetrachloroethane	U		0.0337	0.128	100	12/11/2017 06:53	WG1051921
1,1,2,2-Tetrachloroethane	U		0.0466	0.128	100	12/11/2017 06:53	WG1051921
1,1,2-Trichlorotrifluoroethane	U		0.0466	0.128	100	12/11/2017 06:53	WG1051921
Tetrachloroethene	53.0		0.705	2.55	2000	12/12/2017 18:01	WG1051921
Toluene	U		0.0554	0.638	100	12/11/2017 06:53	WG1051921
1,2,3-Trichlorobenzene	U		0.0391	0.128	100	12/11/2017 06:53	WG1051921
1,2,4-Trichlorobenzene	U		0.0495	0.128	100	12/11/2017 06:53	WG1051921
1,1,1-Trichloroethane	U		0.0365	0.128	100	12/11/2017 06:53	WG1051921
1,1,2-Trichloroethane	U		0.0354	0.128	100	12/11/2017 06:53	WG1051921
Trichloroethene	1.86		0.0356	0.128	100	12/11/2017 06:53	WG1051921
Trichlorofluoromethane	U		0.0488	0.638	100	12/11/2017 06:53	WG1051921
1,2,3-Trichloropropane	U		0.0946	0.319	100	12/11/2017 06:53	WG1051921
1,2,4-Trimethylbenzene	U		0.0269	0.128	100	12/11/2017 06:53	WG1051921
1,2,3-Trimethylbenzene	U		0.0366	0.128	100	12/11/2017 06:53	WG1051921
1,3,5-Trimethylbenzene	U		0.0340	0.128	100	12/11/2017 06:53	WG1051921
Vinyl acetate	U		0.305	1.28	100	12/11/2017 06:53	WG1051921
Vinyl chloride	0.110	J	0.0372	0.128	100	12/11/2017 06:53	WG1051921
Xylenes, Total	U		0.0891	0.383	100	12/11/2017 06:53	WG1051921
(S) Toluene-d8	*99.6*			*80.0-120*		*12/12/2017 18:01*	WG1051921
(S) Toluene-d8	*96.8*			*80.0-120*		*12/11/2017 06:53*	WG1051921
(S) Dibromofluoromethane	*99.7*			*74.0-131*		*12/12/2017 18:01*	WG1051921
(S) Dibromofluoromethane	*99.9*			*74.0-131*		*12/11/2017 06:53*	WG1051921
(S) 4-Bromofluorobenzene	*98.2*			*64.0-132*		*12/11/2017 06:53*	WG1051921
(S) 4-Bromofluorobenzene	*98.8*			*64.0-132*		*12/12/2017 18:01*	WG1051921

Sample Narrative:

L956226-05 WG1051921: Cannot be analyzed at a lower dilution due to high levels of target analytes.

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	77.7		1	12/13/2017 11:18	WG1052965

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.0264	J	0.0129	0.0644	1	12/11/2017 02:25	WG1051921
Acrylonitrile	U		0.00230	0.0129	1	12/11/2017 02:25	WG1051921
Benzene	U		0.000348	0.00129	1	12/11/2017 02:25	WG1051921
Bromobenzene	U		0.000366	0.00129	1	12/11/2017 02:25	WG1051921
Bromodichloromethane	U		0.000327	0.00129	1	12/11/2017 02:25	WG1051921
Bromochloromethane	U		0.000502	0.00644	1	12/11/2017 02:25	WG1051921
Bromoform	U		0.000546	0.00129	1	12/11/2017 02:25	WG1051921
Bromomethane	U		0.00172	0.00644	1	12/11/2017 02:25	WG1051921
n-Butylbenzene	U		0.000332	0.00129	1	12/11/2017 02:25	WG1051921
sec-Butylbenzene	U		0.000259	0.00129	1	12/11/2017 02:25	WG1051921
tert-Butylbenzene	U		0.000265	0.00129	1	12/11/2017 02:25	WG1051921
Carbon disulfide	0.00125	J	0.000284	0.00129	1	12/11/2017 02:25	WG1051921
Carbon tetrachloride	U		0.000422	0.00129	1	12/11/2017 02:25	WG1051921
Chlorobenzene	U		0.000273	0.00129	1	12/11/2017 02:25	WG1051921
Chlorodibromomethane	U		0.000480	0.00129	1	12/11/2017 02:25	WG1051921
Chloroethane	U		0.00122	0.00644	1	12/11/2017 02:25	WG1051921
Chloroform	U		0.000295	0.00644	1	12/11/2017 02:25	WG1051921
Chloromethane	U		0.000483	0.00322	1	12/11/2017 02:25	WG1051921
2-Chlorotoluene	U		0.000387	0.00129	1	12/11/2017 02:25	WG1051921
4-Chlorotoluene	U		0.000309	0.00129	1	12/11/2017 02:25	WG1051921
1,2-Dibromo-3-Chloropropane	U		0.00135	0.00644	1	12/11/2017 02:25	WG1051921
1,2-Dibromoethane	U		0.000442	0.00129	1	12/11/2017 02:25	WG1051921
Dibromomethane	U		0.000492	0.00129	1	12/11/2017 02:25	WG1051921
1,2-Dichlorobenzene	U		0.000393	0.00129	1	12/11/2017 02:25	WG1051921
1,3-Dichlorobenzene	U		0.000308	0.00129	1	12/11/2017 02:25	WG1051921
1,4-Dichlorobenzene	U		0.000291	0.00129	1	12/11/2017 02:25	WG1051921
Dichlorodifluoromethane	U		0.000918	0.00644	1	12/11/2017 02:25	WG1051921
1,1-Dichloroethane	U		0.000256	0.00129	1	12/11/2017 02:25	WG1051921
1,2-Dichloroethane	U		0.000341	0.00129	1	12/11/2017 02:25	WG1051921
1,1-Dichloroethene	0.00246		0.000390	0.00129	1	12/11/2017 02:25	WG1051921
cis-1,2-Dichloroethene	2.83		0.0152	0.0644	50	12/12/2017 16:15	WG1051921
trans-1,2-Dichloroethene	0.000848	J	0.000340	0.00129	1	12/11/2017 02:25	WG1051921
1,2-Dichloropropane	U		0.000461	0.00129	1	12/11/2017 02:25	WG1051921
1,1-Dichloropropene	U		0.000408	0.00129	1	12/11/2017 02:25	WG1051921
1,3-Dichloropropane	U		0.000266	0.00129	1	12/11/2017 02:25	WG1051921
cis-1,3-Dichloropropene	U		0.000337	0.00129	1	12/11/2017 02:25	WG1051921
trans-1,3-Dichloropropene	U		0.000344	0.00129	1	12/11/2017 02:25	WG1051921
trans-1,4-Dichloro-2-butene	U	J0	0.00100	0.00322	1	12/11/2017 02:25	WG1051921
2,2-Dichloropropane	U	J4	0.000359	0.00129	1	12/11/2017 02:25	WG1051921
Di-isopropyl ether	U		0.000319	0.00129	1	12/11/2017 02:25	WG1051921
Ethylbenzene	U		0.000382	0.00129	1	12/11/2017 02:25	WG1051921
Hexachloro-1,3-butadiene	U		0.000440	0.00129	1	12/11/2017 02:25	WG1051921
2-Hexanone	U		0.00176	0.0129	1	12/11/2017 02:25	WG1051921
n-Hexane	0.00162	J	0.000373	0.0129	1	12/11/2017 02:25	WG1051921
Iodomethane	U		0.00326	0.0129	1	12/11/2017 02:25	WG1051921
Isopropylbenzene	U		0.000313	0.00129	1	12/11/2017 02:25	WG1051921
p-Isopropyltoluene	U		0.000263	0.00129	1	12/11/2017 02:25	WG1051921
2-Butanone (MEK)	0.0167		0.00602	0.0129	1	12/11/2017 02:25	WG1051921
Methylene Chloride	U		0.00129	0.00644	1	12/11/2017 02:25	WG1051921
4-Methyl-2-pentanone (MIBK)	U		0.00242	0.0129	1	12/11/2017 02:25	WG1051921

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000273	0.00129	1	12/11/2017 02:25	WG1051921
Naphthalene	U		0.00129	0.00644	1	12/11/2017 02:25	WG1051921
n-Propylbenzene	U		0.000265	0.00129	1	12/11/2017 02:25	WG1051921
Styrene	U		0.000301	0.00129	1	12/11/2017 02:25	WG1051921
1,1,1,2-Tetrachloroethane	U		0.000340	0.00129	1	12/11/2017 02:25	WG1051921
1,1,2,2-Tetrachloroethane	U		0.000470	0.00129	1	12/11/2017 02:25	WG1051921
1,1,2-Trichlorotrifluoroethane	U		0.000470	0.00129	1	12/11/2017 02:25	WG1051921
Tetrachloroethene	10.9		0.178	0.644	500	12/13/2017 17:56	WG1051921
Toluene	U		0.000559	0.00644	1	12/11/2017 02:25	WG1051921
1,2,3-Trichlorobenzene	U		0.000394	0.00129	1	12/11/2017 02:25	WG1051921
1,2,4-Trichlorobenzene	U		0.000499	0.00129	1	12/11/2017 02:25	WG1051921
1,1,1-Trichloroethane	U		0.000368	0.00129	1	12/11/2017 02:25	WG1051921
1,1,2-Trichloroethane	U		0.000357	0.00129	1	12/11/2017 02:25	WG1051921
Trichloroethene	0.0457		0.000359	0.00129	1	12/11/2017 02:25	WG1051921
Trichlorofluoromethane	U		0.000492	0.00644	1	12/11/2017 02:25	WG1051921
1,2,3-Trichloropropane	U		0.000954	0.00322	1	12/11/2017 02:25	WG1051921
1,2,4-Trimethylbenzene	U		0.000272	0.00129	1	12/11/2017 02:25	WG1051921
1,2,3-Trimethylbenzene	U		0.000369	0.00129	1	12/11/2017 02:25	WG1051921
1,3,5-Trimethylbenzene	U		0.000342	0.00129	1	12/11/2017 02:25	WG1051921
Vinyl acetate	U		0.00308	0.0129	1	12/11/2017 02:25	WG1051921
Vinyl chloride	0.131		0.000375	0.00129	1	12/11/2017 02:25	WG1051921
Xylenes, Total	U		0.000899	0.00386	1	12/11/2017 02:25	WG1051921
(S) Toluene-d8	*89.7*			*80.0-120*		*12/11/2017 02:25*	WG1051921
(S) Toluene-d8	*97.8*			*80.0-120*		*12/12/2017 16:15*	WG1051921
(S) Toluene-d8	*98.9*			*80.0-120*		*12/13/2017 17:56*	WG1051921
(S) Dibromofluoromethane	*106*			*74.0-131*		*12/11/2017 02:25*	WG1051921
(S) Dibromofluoromethane	*97.8*			*74.0-131*		*12/12/2017 16:15*	WG1051921
(S) Dibromofluoromethane	*96.1*			*74.0-131*		*12/13/2017 17:56*	WG1051921
(S) 4-Bromofluorobenzene	*97.4*			*64.0-132*		*12/12/2017 16:15*	WG1051921
(S) 4-Bromofluorobenzene	*99.7*			*64.0-132*		*12/11/2017 02:25*	WG1051921
(S) 4-Bromofluorobenzene	*98.6*			*64.0-132*		*12/13/2017 17:56*	WG1051921

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	85.8		1	12/13/2017 11:18	WG1052965

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0117	0.0583	1	12/11/2017 03:43	WG1051921
Acrylonitrile	U		0.00209	0.0117	1	12/11/2017 03:43	WG1051921
Benzene	U		0.000315	0.00117	1	12/11/2017 03:43	WG1051921
Bromobenzene	U		0.000331	0.00117	1	12/11/2017 03:43	WG1051921
Bromodichloromethane	U		0.000296	0.00117	1	12/11/2017 03:43	WG1051921
Bromochloromethane	U		0.000455	0.00583	1	12/11/2017 03:43	WG1051921
Bromoform	U		0.000494	0.00117	1	12/11/2017 03:43	WG1051921
Bromomethane	U		0.00156	0.00583	1	12/11/2017 03:43	WG1051921
n-Butylbenzene	U		0.000301	0.00117	1	12/11/2017 03:43	WG1051921
sec-Butylbenzene	U		0.000234	0.00117	1	12/11/2017 03:43	WG1051921
tert-Butylbenzene	U		0.000240	0.00117	1	12/11/2017 03:43	WG1051921
Carbon disulfide	U		0.000258	0.00117	1	12/11/2017 03:43	WG1051921
Carbon tetrachloride	U		0.000382	0.00117	1	12/11/2017 03:43	WG1051921
Chlorobenzene	U		0.000247	0.00117	1	12/11/2017 03:43	WG1051921
Chlorodibromomethane	U		0.000435	0.00117	1	12/11/2017 03:43	WG1051921
Chloroethane	U		0.00110	0.00583	1	12/11/2017 03:43	WG1051921
Chloroform	U		0.000267	0.00583	1	12/11/2017 03:43	WG1051921
Chloromethane	U		0.000437	0.00291	1	12/11/2017 03:43	WG1051921
2-Chlorotoluene	U		0.000351	0.00117	1	12/11/2017 03:43	WG1051921
4-Chlorotoluene	U		0.000280	0.00117	1	12/11/2017 03:43	WG1051921
1,2-Dibromo-3-Chloropropane	U		0.00122	0.00583	1	12/11/2017 03:43	WG1051921
1,2-Dibromoethane	U		0.000400	0.00117	1	12/11/2017 03:43	WG1051921
Dibromomethane	U		0.000445	0.00117	1	12/11/2017 03:43	WG1051921
1,2-Dichlorobenzene	U		0.000356	0.00117	1	12/11/2017 03:43	WG1051921
1,3-Dichlorobenzene	U		0.000279	0.00117	1	12/11/2017 03:43	WG1051921
1,4-Dichlorobenzene	U		0.000263	0.00117	1	12/11/2017 03:43	WG1051921
Dichlorodifluoromethane	U		0.000831	0.00583	1	12/11/2017 03:43	WG1051921
1,1-Dichloroethane	U		0.000232	0.00117	1	12/11/2017 03:43	WG1051921
1,2-Dichloroethane	U		0.000309	0.00117	1	12/11/2017 03:43	WG1051921
1,1-Dichloroethene	U		0.000353	0.00117	1	12/11/2017 03:43	WG1051921
cis-1,2-Dichloroethene	0.0118		0.000274	0.00117	1	12/12/2017 14:50	WG1051921
trans-1,2-Dichloroethene	U		0.000308	0.00117	1	12/11/2017 03:43	WG1051921
1,2-Dichloropropane	U		0.000417	0.00117	1	12/11/2017 03:43	WG1051921
1,1-Dichloropropene	U		0.000370	0.00117	1	12/11/2017 03:43	WG1051921
1,3-Dichloropropane	U		0.000241	0.00117	1	12/11/2017 03:43	WG1051921
cis-1,3-Dichloropropene	U		0.000305	0.00117	1	12/11/2017 03:43	WG1051921
trans-1,3-Dichloropropene	U		0.000311	0.00117	1	12/11/2017 03:43	WG1051921
trans-1,4-Dichloro-2-butene	U	J0	0.000907	0.00291	1	12/11/2017 03:43	WG1051921
2,2-Dichloropropane	U	J4	0.000325	0.00117	1	12/11/2017 03:43	WG1051921
Di-isopropyl ether	U		0.000289	0.00117	1	12/11/2017 03:43	WG1051921
Ethylbenzene	U		0.000346	0.00117	1	12/11/2017 03:43	WG1051921
Hexachloro-1,3-butadiene	U		0.000399	0.00117	1	12/11/2017 03:43	WG1051921
2-Hexanone	0.00182	J	0.00160	0.0117	1	12/11/2017 03:43	WG1051921
n-Hexane	0.000697	J	0.000338	0.0117	1	12/11/2017 03:43	WG1051921
Iodomethane	U		0.00295	0.0117	1	12/11/2017 03:43	WG1051921
Isopropylbenzene	U		0.000283	0.00117	1	12/11/2017 03:43	WG1051921
p-Isopropyltoluene	U		0.000238	0.00117	1	12/11/2017 03:43	WG1051921
2-Butanone (MEK)	U		0.00546	0.0117	1	12/11/2017 03:43	WG1051921
Methylene Chloride	U		0.00117	0.00583	1	12/11/2017 03:43	WG1051921
4-Methyl-2-pentanone (MIBK)	U		0.00219	0.0117	1	12/11/2017 03:43	WG1051921

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000247	0.00117	1	12/11/2017 03:43	WG1051921
Naphthalene	U		0.00117	0.00583	1	12/11/2017 03:43	WG1051921
n-Propylbenzene	U		0.000240	0.00117	1	12/11/2017 03:43	WG1051921
Styrene	U		0.000273	0.00117	1	12/11/2017 03:43	WG1051921
1,1,1,2-Tetrachloroethane	U		0.000308	0.00117	1	12/11/2017 03:43	WG1051921
1,1,2,2-Tetrachloroethane	U		0.000426	0.00117	1	12/11/2017 03:43	WG1051921
1,1,2-Trichlorotrifluoroethane	U		0.000426	0.00117	1	12/11/2017 03:43	WG1051921
Tetrachloroethene	0.0262		0.000322	0.00117	1	12/12/2017 14:50	WG1051921
Toluene	U		0.000506	0.00583	1	12/11/2017 03:43	WG1051921
1,2,3-Trichlorobenzene	U		0.000357	0.00117	1	12/11/2017 03:43	WG1051921
1,2,4-Trichlorobenzene	U		0.000452	0.00117	1	12/11/2017 03:43	WG1051921
1,1,1-Trichloroethane	U		0.000333	0.00117	1	12/11/2017 03:43	WG1051921
1,1,2-Trichloroethane	U		0.000323	0.00117	1	12/11/2017 03:43	WG1051921
Trichloroethene	0.00294		0.000325	0.00117	1	12/12/2017 14:50	WG1051921
Trichlorofluoromethane	U		0.000445	0.00583	1	12/11/2017 03:43	WG1051921
1,2,3-Trichloropropane	U		0.000864	0.00291	1	12/11/2017 03:43	WG1051921
1,2,4-Trimethylbenzene	U		0.000246	0.00117	1	12/11/2017 03:43	WG1051921
1,2,3-Trimethylbenzene	U		0.000335	0.00117	1	12/11/2017 03:43	WG1051921
1,3,5-Trimethylbenzene	U		0.000310	0.00117	1	12/11/2017 03:43	WG1051921
Vinyl acetate	U		0.00279	0.0117	1	12/11/2017 03:43	WG1051921
Vinyl chloride	U		0.000339	0.00117	1	12/11/2017 03:43	WG1051921
Xylenes, Total	U		0.000814	0.00350	1	12/11/2017 03:43	WG1051921
(S) Toluene-d8	*89.3*			*80.0-120*		*12/11/2017 03:43*	WG1051921
(S) Toluene-d8	*91.5*			*80.0-120*		*12/12/2017 14:50*	WG1051921
(S) Dibromofluoromethane	*110*			*74.0-131*		*12/11/2017 03:43*	WG1051921
(S) Dibromofluoromethane	*107*			*74.0-131*		*12/12/2017 14:50*	WG1051921
(S) 4-Bromofluorobenzene	*98.6*			*64.0-132*		*12/12/2017 14:50*	WG1051921
(S) 4-Bromofluorobenzene	*99.5*			*64.0-132*		*12/11/2017 03:43*	WG1051921

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	85.9		1	12/13/2017 13:32	WG1052966

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.0287	J	0.0116	0.0582	1	12/11/2017 04:05	WG1051921
Acrylonitrile	U		0.00208	0.0116	1	12/11/2017 04:05	WG1051921
Benzene	0.000929	J	0.000314	0.00116	1	12/11/2017 04:05	WG1051921
Bromobenzene	U		0.000330	0.00116	1	12/11/2017 04:05	WG1051921
Bromodichloromethane	U		0.000296	0.00116	1	12/11/2017 04:05	WG1051921
Bromochloromethane	U		0.000454	0.00582	1	12/11/2017 04:05	WG1051921
Bromoform	U		0.000493	0.00116	1	12/11/2017 04:05	WG1051921
Bromomethane	U		0.00156	0.00582	1	12/11/2017 04:05	WG1051921
n-Butylbenzene	U		0.000300	0.00116	1	12/11/2017 04:05	WG1051921
sec-Butylbenzene	U		0.000234	0.00116	1	12/11/2017 04:05	WG1051921
tert-Butylbenzene	U		0.000240	0.00116	1	12/11/2017 04:05	WG1051921
Carbon disulfide	0.00139		0.000257	0.00116	1	12/11/2017 04:05	WG1051921
Carbon tetrachloride	U		0.000382	0.00116	1	12/11/2017 04:05	WG1051921
Chlorobenzene	U		0.000247	0.00116	1	12/11/2017 04:05	WG1051921
Chlorodibromomethane	U		0.000434	0.00116	1	12/11/2017 04:05	WG1051921
Chloroethane	0.00205	J	0.00110	0.00582	1	12/11/2017 04:05	WG1051921
Chloroform	U		0.000266	0.00582	1	12/11/2017 04:05	WG1051921
Chloromethane	U		0.000436	0.00291	1	12/11/2017 04:05	WG1051921
2-Chlorotoluene	U		0.000350	0.00116	1	12/11/2017 04:05	WG1051921
4-Chlorotoluene	U		0.000279	0.00116	1	12/11/2017 04:05	WG1051921
1,2-Dibromo-3-Chloropropane	U		0.00122	0.00582	1	12/11/2017 04:05	WG1051921
1,2-Dibromoethane	U		0.000399	0.00116	1	12/11/2017 04:05	WG1051921
Dibromomethane	U		0.000444	0.00116	1	12/11/2017 04:05	WG1051921
1,2-Dichlorobenzene	U		0.000355	0.00116	1	12/11/2017 04:05	WG1051921
1,3-Dichlorobenzene	U		0.000278	0.00116	1	12/11/2017 04:05	WG1051921
1,4-Dichlorobenzene	U		0.000263	0.00116	1	12/11/2017 04:05	WG1051921
Dichlorodifluoromethane	U		0.000830	0.00582	1	12/11/2017 04:05	WG1051921
1,1-Dichloroethane	U		0.000232	0.00116	1	12/11/2017 04:05	WG1051921
1,2-Dichloroethane	U		0.000308	0.00116	1	12/11/2017 04:05	WG1051921
1,1-Dichloroethene	U		0.000353	0.00116	1	12/11/2017 04:05	WG1051921
cis-1,2-Dichloroethene	0.0767		0.000273	0.00116	1	12/11/2017 04:05	WG1051921
trans-1,2-Dichloroethene	0.000705	J	0.000307	0.00116	1	12/11/2017 04:05	WG1051921
1,2-Dichloropropane	U		0.000417	0.00116	1	12/11/2017 04:05	WG1051921
1,1-Dichloropropene	U		0.000369	0.00116	1	12/11/2017 04:05	WG1051921
1,3-Dichloropropane	U		0.000241	0.00116	1	12/11/2017 04:05	WG1051921
cis-1,3-Dichloropropene	U		0.000305	0.00116	1	12/11/2017 04:05	WG1051921
trans-1,3-Dichloropropene	U		0.000311	0.00116	1	12/11/2017 04:05	WG1051921
trans-1,4-Dichloro-2-butene	U	J0	0.000905	0.00291	1	12/11/2017 04:05	WG1051921
2,2-Dichloropropane	U	J4	0.000325	0.00116	1	12/11/2017 04:05	WG1051921
Di-isopropyl ether	U		0.000289	0.00116	1	12/11/2017 04:05	WG1051921
Ethylbenzene	U		0.000346	0.00116	1	12/11/2017 04:05	WG1051921
Hexachloro-1,3-butadiene	U		0.000398	0.00116	1	12/11/2017 04:05	WG1051921
2-Hexanone	0.0164		0.00159	0.0116	1	12/11/2017 04:05	WG1051921
n-Hexane	0.00731	J	0.000337	0.0116	1	12/11/2017 04:05	WG1051921
Iodomethane	U		0.00294	0.0116	1	12/11/2017 04:05	WG1051921
Isopropylbenzene	U		0.000283	0.00116	1	12/11/2017 04:05	WG1051921
p-Isopropyltoluene	0.000241	J V3	0.000237	0.00116	1	12/11/2017 04:05	WG1051921
2-Butanone (MEK)	0.0228		0.00545	0.0116	1	12/11/2017 04:05	WG1051921
Methylene Chloride	U		0.00116	0.00582	1	12/11/2017 04:05	WG1051921
4-Methyl-2-pentanone (MIBK)	U		0.00219	0.0116	1	12/11/2017 04:05	WG1051921

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

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000247	0.00116	1	12/11/2017 04:05	WG1051921
Naphthalene	U		0.00116	0.00582	1	12/11/2017 04:05	WG1051921
n-Propylbenzene	0.000502	J V3	0.000240	0.00116	1	12/11/2017 04:05	WG1051921
Styrene	U		0.000272	0.00116	1	12/11/2017 04:05	WG1051921
1,1,1,2-Tetrachloroethane	U		0.000307	0.00116	1	12/11/2017 04:05	WG1051921
1,1,2,2-Tetrachloroethane	U		0.000425	0.00116	1	12/11/2017 04:05	WG1051921
1,1,2-Trichlorotrifluoroethane	U		0.000425	0.00116	1	12/11/2017 04:05	WG1051921
Tetrachloroethene	22.7		0.161	0.582	500	12/12/2017 17:39	WG1051921
Toluene	0.00774		0.000505	0.00582	1	12/11/2017 04:05	WG1051921
1,2,3-Trichlorobenzene	U		0.000356	0.00116	1	12/11/2017 04:05	WG1051921
1,2,4-Trichlorobenzene	U		0.000451	0.00116	1	12/11/2017 04:05	WG1051921
1,1,1-Trichloroethane	U		0.000333	0.00116	1	12/11/2017 04:05	WG1051921
1,1,2-Trichloroethane	U		0.000322	0.00116	1	12/11/2017 04:05	WG1051921
Trichloroethene	0.0724		0.000325	0.00116	1	12/11/2017 04:05	WG1051921
Trichlorofluoromethane	U		0.000444	0.00582	1	12/11/2017 04:05	WG1051921
1,2,3-Trichloropropane	U		0.000862	0.00291	1	12/11/2017 04:05	WG1051921
1,2,4-Trimethylbenzene	0.00114	J V3	0.000245	0.00116	1	12/11/2017 04:05	WG1051921
1,2,3-Trimethylbenzene	0.000402	J V3	0.000334	0.00116	1	12/11/2017 04:05	WG1051921
1,3,5-Trimethylbenzene	0.000551	J V3	0.000309	0.00116	1	12/11/2017 04:05	WG1051921
Vinyl acetate	U		0.00278	0.0116	1	12/11/2017 04:05	WG1051921
Vinyl chloride	0.00193		0.000339	0.00116	1	12/11/2017 04:05	WG1051921
Xylenes, Total	U		0.000812	0.00349	1	12/11/2017 04:05	WG1051921
(S) Toluene-d8	*99.3*			*80.0-120*		*12/12/2017 17:39*	WG1051921
(S) Toluene-d8	*86.1*			*80.0-120*		*12/11/2017 04:05*	WG1051921
(S) Dibromofluoromethane	*98.1*			*74.0-131*		*12/12/2017 17:39*	WG1051921
(S) Dibromofluoromethane	*106*			*74.0-131*		*12/11/2017 04:05*	WG1051921
(S) 4-Bromofluorobenzene	*98.5*			*64.0-132*		*12/12/2017 17:39*	WG1051921
(S) 4-Bromofluorobenzene	*167*	J1		*64.0-132*		*12/11/2017 04:05*	WG1051921

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

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	87.4		1	12/13/2017 13:32	WG1052966

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		2.86	14.3	250	12/12/2017 17:18	WG1051921
Acrylonitrile	U		0.513	2.86	250	12/12/2017 17:18	WG1051921
Benzene	U		0.0772	0.286	250	12/12/2017 17:18	WG1051921
Bromobenzene	U		0.0812	0.286	250	12/12/2017 17:18	WG1051921
Bromodichloromethane	U		0.0727	0.286	250	12/12/2017 17:18	WG1051921
Bromochloromethane	U		0.112	1.43	250	12/12/2017 17:18	WG1051921
Bromoform	U		0.121	0.286	250	12/12/2017 17:18	WG1051921
Bromomethane	U		0.383	1.43	250	12/12/2017 17:18	WG1051921
n-Butylbenzene	U		0.0738	0.286	250	12/12/2017 17:18	WG1051921
sec-Butylbenzene	U		0.0574	0.286	250	12/12/2017 17:18	WG1051921
tert-Butylbenzene	U		0.0589	0.286	250	12/12/2017 17:18	WG1051921
Carbon disulfide	U		0.0632	0.286	250	12/12/2017 17:18	WG1051921
Carbon tetrachloride	U		0.0938	0.286	250	12/12/2017 17:18	WG1051921
Chlorobenzene	U		0.0606	0.286	250	12/12/2017 17:18	WG1051921
Chlorodibromomethane	U		0.107	0.286	250	12/12/2017 17:18	WG1051921
Chloroethane	U		0.270	1.43	250	12/12/2017 17:18	WG1051921
Chloroform	U		0.0654	1.43	250	12/12/2017 17:18	WG1051921
Chloromethane	U		0.107	0.715	250	12/12/2017 17:18	WG1051921
2-Chlorotoluene	U		0.0860	0.286	250	12/12/2017 17:18	WG1051921
4-Chlorotoluene	U		0.0686	0.286	250	12/12/2017 17:18	WG1051921
1,2-Dibromo-3-Chloropropane	U		0.300	1.43	250	12/12/2017 17:18	WG1051921
1,2-Dibromoethane	U		0.0982	0.286	250	12/12/2017 17:18	WG1051921
Dibromomethane	U		0.109	0.286	250	12/12/2017 17:18	WG1051921
1,2-Dichlorobenzene	U		0.0872	0.286	250	12/12/2017 17:18	WG1051921
1,3-Dichlorobenzene	U		0.0684	0.286	250	12/12/2017 17:18	WG1051921
1,4-Dichlorobenzene	U		0.0646	0.286	250	12/12/2017 17:18	WG1051921
Dichlorodifluoromethane	U		0.204	1.43	250	12/12/2017 17:18	WG1051921
1,1-Dichloroethane	U		0.0570	0.286	250	12/12/2017 17:18	WG1051921
1,2-Dichloroethane	U		0.0757	0.286	250	12/12/2017 17:18	WG1051921
1,1-Dichloroethene	U		0.0867	0.286	250	12/12/2017 17:18	WG1051921
cis-1,2-Dichloroethene	0.191	J	0.0673	0.286	250	12/12/2017 17:18	WG1051921
trans-1,2-Dichloroethene	U		0.0755	0.286	250	12/12/2017 17:18	WG1051921
1,2-Dichloropropane	U		0.102	0.286	250	12/12/2017 17:18	WG1051921
1,1-Dichloropropene	U		0.0906	0.286	250	12/12/2017 17:18	WG1051921
1,3-Dichloropropane	U		0.0593	0.286	250	12/12/2017 17:18	WG1051921
cis-1,3-Dichloropropene	U		0.0749	0.286	250	12/12/2017 17:18	WG1051921
trans-1,3-Dichloropropene	U		0.0764	0.286	250	12/12/2017 17:18	WG1051921
trans-1,4-Dichloro-2-butene	U	J0	0.222	0.715	250	12/12/2017 17:18	WG1051921
2,2-Dichloropropane	U	J4	0.0799	0.286	250	12/12/2017 17:18	WG1051921
Di-isopropyl ether	U		0.0709	0.286	250	12/12/2017 17:18	WG1051921
Ethylbenzene	U		0.0849	0.286	250	12/12/2017 17:18	WG1051921
Hexachloro-1,3-butadiene	U		0.0978	0.286	250	12/12/2017 17:18	WG1051921
2-Hexanone	U		0.391	2.86	250	12/12/2017 17:18	WG1051921
n-Hexane	U		0.0829	2.86	250	12/12/2017 17:18	WG1051921
Iodomethane	U		0.723	2.86	250	12/12/2017 17:18	WG1051921
Isopropylbenzene	U		0.0696	0.286	250	12/12/2017 17:18	WG1051921
p-Isopropyltoluene	U		0.0584	0.286	250	12/12/2017 17:18	WG1051921
2-Butanone (MEK)	U		1.34	2.86	250	12/12/2017 17:18	WG1051921
Methylene Chloride	U		0.286	1.43	250	12/12/2017 17:18	WG1051921
4-Methyl-2-pentanone (MIBK)	U		0.538	2.86	250	12/12/2017 17:18	WG1051921

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.0606	0.286	250	12/12/2017 17:18	WG1051921
Naphthalene	U	J0	0.286	1.43	250	12/12/2017 17:18	WG1051921
n-Propylbenzene	U		0.0589	0.286	250	12/12/2017 17:18	WG1051921
Styrene	U		0.0669	0.286	250	12/12/2017 17:18	WG1051921
1,1,1,2-Tetrachloroethane	U		0.0755	0.286	250	12/12/2017 17:18	WG1051921
1,1,2,2-Tetrachloroethane	U		0.104	0.286	250	12/12/2017 17:18	WG1051921
1,1,2-Trichlorotrifluoroethane	U		0.104	0.286	250	12/12/2017 17:18	WG1051921
Tetrachloroethene	28.6		0.0789	0.286	250	12/12/2017 17:18	WG1051921
Toluene	U		0.124	1.43	250	12/12/2017 17:18	WG1051921
1,2,3-Trichlorobenzene	U		0.0875	0.286	250	12/12/2017 17:18	WG1051921
1,2,4-Trichlorobenzene	U		0.111	0.286	250	12/12/2017 17:18	WG1051921
1,1,1-Trichloroethane	U		0.0818	0.286	250	12/12/2017 17:18	WG1051921
1,1,2-Trichloroethane	U		0.0792	0.286	250	12/12/2017 17:18	WG1051921
Trichloroethene	0.262	J	0.0799	0.286	250	12/12/2017 17:18	WG1051921
Trichlorofluoromethane	U		0.109	1.43	250	12/12/2017 17:18	WG1051921
1,2,3-Trichloropropane	U	J0	0.212	0.715	250	12/12/2017 17:18	WG1051921
1,2,4-Trimethylbenzene	U		0.0604	0.286	250	12/12/2017 17:18	WG1051921
1,2,3-Trimethylbenzene	U		0.0821	0.286	250	12/12/2017 17:18	WG1051921
1,3,5-Trimethylbenzene	U		0.0761	0.286	250	12/12/2017 17:18	WG1051921
Vinyl acetate	U		0.684	2.86	250	12/12/2017 17:18	WG1051921
Vinyl chloride	U		0.0833	0.286	250	12/12/2017 17:18	WG1051921
Xylenes, Total	U		0.199	0.858	250	12/12/2017 17:18	WG1051921
(S) Toluene-d8	*98.7*			*80.0-120*		*12/12/2017 17:18*	WG1051921
(S) Dibromofluoromethane	*101*			*74.0-131*		*12/12/2017 17:18*	WG1051921
(S) 4-Bromofluorobenzene	*98.6*			*64.0-132*		*12/12/2017 17:18*	WG1051921

Sample Narrative:

L956226-09 WG1051921: Cannot be analyzed at a lower dilution due to high levels of target analytes.

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

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	89.6		1	12/13/2017 13:32	WG1052966

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		11.2	55.8	1000	12/11/2017 07:15	WG1051921
Acrylonitrile	U		2.00	11.2	1000	12/11/2017 07:15	WG1051921
Benzene	U		0.301	1.12	1000	12/11/2017 07:15	WG1051921
Bromobenzene	U		0.317	1.12	1000	12/11/2017 07:15	WG1051921
Bromodichloromethane	U		0.283	1.12	1000	12/11/2017 07:15	WG1051921
Bromochloromethane	U		0.435	5.58	1000	12/11/2017 07:15	WG1051921
Bromoform	U		0.473	1.12	1000	12/11/2017 07:15	WG1051921
Bromomethane	U		1.50	5.58	1000	12/11/2017 07:15	WG1051921
n-Butylbenzene	U		0.288	1.12	1000	12/11/2017 07:15	WG1051921
sec-Butylbenzene	U		0.224	1.12	1000	12/11/2017 07:15	WG1051921
tert-Butylbenzene	U		0.230	1.12	1000	12/11/2017 07:15	WG1051921
Carbon disulfide	U		0.247	1.12	1000	12/11/2017 07:15	WG1051921
Carbon tetrachloride	U		0.366	1.12	1000	12/11/2017 07:15	WG1051921
Chlorobenzene	U		0.237	1.12	1000	12/11/2017 07:15	WG1051921
Chlorodibromomethane	U		0.416	1.12	1000	12/11/2017 07:15	WG1051921
Chloroethane	U		1.06	5.58	1000	12/11/2017 07:15	WG1051921
Chloroform	U		0.256	5.58	1000	12/11/2017 07:15	WG1051921
Chloromethane	U		0.418	2.79	1000	12/11/2017 07:15	WG1051921
2-Chlorotoluene	U		0.336	1.12	1000	12/11/2017 07:15	WG1051921
4-Chlorotoluene	U		0.268	1.12	1000	12/11/2017 07:15	WG1051921
1,2-Dibromo-3-Chloropropane	U		1.17	5.58	1000	12/11/2017 07:15	WG1051921
1,2-Dibromoethane	U		0.383	1.12	1000	12/11/2017 07:15	WG1051921
Dibromomethane	U		0.426	1.12	1000	12/11/2017 07:15	WG1051921
1,2-Dichlorobenzene	U		0.340	1.12	1000	12/11/2017 07:15	WG1051921
1,3-Dichlorobenzene	U		0.267	1.12	1000	12/11/2017 07:15	WG1051921
1,4-Dichlorobenzene	U		0.252	1.12	1000	12/11/2017 07:15	WG1051921
Dichlorodifluoromethane	U		0.796	5.58	1000	12/11/2017 07:15	WG1051921
1,1-Dichloroethane	U		0.222	1.12	1000	12/11/2017 07:15	WG1051921
1,2-Dichloroethane	U		0.296	1.12	1000	12/11/2017 07:15	WG1051921
1,1-Dichloroethene	U		0.338	1.12	1000	12/11/2017 07:15	WG1051921
cis-1,2-Dichloroethene	U		0.262	1.12	1000	12/11/2017 07:15	WG1051921
trans-1,2-Dichloroethene	U		0.295	1.12	1000	12/11/2017 07:15	WG1051921
1,2-Dichloropropane	U		0.399	1.12	1000	12/11/2017 07:15	WG1051921
1,1-Dichloropropene	U		0.354	1.12	1000	12/11/2017 07:15	WG1051921
1,3-Dichloropropane	U		0.231	1.12	1000	12/11/2017 07:15	WG1051921
cis-1,3-Dichloropropene	U		0.292	1.12	1000	12/11/2017 07:15	WG1051921
trans-1,3-Dichloropropene	U		0.298	1.12	1000	12/11/2017 07:15	WG1051921
trans-1,4-Dichloro-2-butene	U	J0	0.868	2.79	1000	12/11/2017 07:15	WG1051921
2,2-Dichloropropane	U	J4	0.311	1.12	1000	12/11/2017 07:15	WG1051921
Di-isopropyl ether	U		0.277	1.12	1000	12/11/2017 07:15	WG1051921
Ethylbenzene	U		0.331	1.12	1000	12/11/2017 07:15	WG1051921
Hexachloro-1,3-butadiene	U		0.382	1.12	1000	12/11/2017 07:15	WG1051921
2-Hexanone	U		1.53	11.2	1000	12/11/2017 07:15	WG1051921
n-Hexane	U		0.324	11.2	1000	12/11/2017 07:15	WG1051921
Iodomethane	U		2.82	11.2	1000	12/11/2017 07:15	WG1051921
Isopropylbenzene	U		0.271	1.12	1000	12/11/2017 07:15	WG1051921
p-Isopropyltoluene	U		0.228	1.12	1000	12/11/2017 07:15	WG1051921
2-Butanone (MEK)	U		5.22	11.2	1000	12/11/2017 07:15	WG1051921
Methylene Chloride	U		1.12	5.58	1000	12/11/2017 07:15	WG1051921
4-Methyl-2-pentanone (MIBK)	U		2.10	11.2	1000	12/11/2017 07:15	WG1051921

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.237	1.12	1000	12/11/2017 07:15	WG1051921
Naphthalene	U		1.12	5.58	1000	12/11/2017 07:15	WG1051921
n-Propylbenzene	U		0.230	1.12	1000	12/11/2017 07:15	WG1051921
Styrene	U		0.261	1.12	1000	12/11/2017 07:15	WG1051921
1,1,1,2-Tetrachloroethane	U		0.295	1.12	1000	12/11/2017 07:15	WG1051921
1,1,2,2-Tetrachloroethane	U		0.407	1.12	1000	12/11/2017 07:15	WG1051921
1,1,2-Trichlorotrifluoroethane	U		0.407	1.12	1000	12/11/2017 07:15	WG1051921
Tetrachloroethene	156		1.54	5.58	5000	12/12/2017 18:22	WG1051921
Toluene	U		0.484	5.58	1000	12/11/2017 07:15	WG1051921
1,2,3-Trichlorobenzene	U		0.341	1.12	1000	12/11/2017 07:15	WG1051921
1,2,4-Trichlorobenzene	U		0.433	1.12	1000	12/11/2017 07:15	WG1051921
1,1,1-Trichloroethane	U		0.319	1.12	1000	12/11/2017 07:15	WG1051921
1,1,2-Trichloroethane	U		0.309	1.12	1000	12/11/2017 07:15	WG1051921
Trichloroethene	U		0.311	1.12	1000	12/11/2017 07:15	WG1051921
Trichlorofluoromethane	U		0.426	5.58	1000	12/11/2017 07:15	WG1051921
1,2,3-Trichloropropane	U		0.827	2.79	1000	12/11/2017 07:15	WG1051921
1,2,4-Trimethylbenzene	U		0.235	1.12	1000	12/11/2017 07:15	WG1051921
1,2,3-Trimethylbenzene	U		0.320	1.12	1000	12/11/2017 07:15	WG1051921
1,3,5-Trimethylbenzene	U		0.297	1.12	1000	12/11/2017 07:15	WG1051921
Vinyl acetate	U		2.67	11.2	1000	12/11/2017 07:15	WG1051921
Vinyl chloride	U		0.325	1.12	1000	12/11/2017 07:15	WG1051921
Xylenes, Total	U		0.779	3.35	1000	12/11/2017 07:15	WG1051921
(S) Toluene-d8	*97.5*			*80.0-120*		*12/11/2017 07:15*	WG1051921
(S) Toluene-d8	*99.6*			*80.0-120*		*12/12/2017 18:22*	WG1051921
(S) Dibromofluoromethane	*100*			*74.0-131*		*12/11/2017 07:15*	WG1051921
(S) Dibromofluoromethane	*101*			*74.0-131*		*12/12/2017 18:22*	WG1051921
(S) 4-Bromofluorobenzene	*98.6*			*64.0-132*		*12/11/2017 07:15*	WG1051921
(S) 4-Bromofluorobenzene	*98.8*			*64.0-132*		*12/12/2017 18:22*	WG1051921

Sample Narrative:

L956226-10 WG1051921: Cannot be analyzed at a lower dilution due to high levels of target analytes.

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	89.4		1	12/13/2017 13:32	WG1052966

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0112	0.0559	1	12/11/2017 04:47	WG1051921
Acrylonitrile	U		0.00200	0.0112	1	12/11/2017 04:47	WG1051921
Benzene	U		0.000302	0.00112	1	12/11/2017 04:47	WG1051921
Bromobenzene	U		0.000318	0.00112	1	12/11/2017 04:47	WG1051921
Bromodichloromethane	U		0.000284	0.00112	1	12/11/2017 04:47	WG1051921
Bromochloromethane	U		0.000436	0.00559	1	12/11/2017 04:47	WG1051921
Bromoform	U		0.000474	0.00112	1	12/11/2017 04:47	WG1051921
Bromomethane	U		0.00150	0.00559	1	12/11/2017 04:47	WG1051921
n-Butylbenzene	U		0.000288	0.00112	1	12/11/2017 04:47	WG1051921
sec-Butylbenzene	U		0.000225	0.00112	1	12/11/2017 04:47	WG1051921
tert-Butylbenzene	U		0.000230	0.00112	1	12/11/2017 04:47	WG1051921
Carbon disulfide	U		0.000247	0.00112	1	12/11/2017 04:47	WG1051921
Carbon tetrachloride	U		0.000367	0.00112	1	12/11/2017 04:47	WG1051921
Chlorobenzene	U		0.000237	0.00112	1	12/11/2017 04:47	WG1051921
Chlorodibromomethane	U		0.000417	0.00112	1	12/11/2017 04:47	WG1051921
Chloroethane	0.00393	J	0.00106	0.00559	1	12/11/2017 04:47	WG1051921
Chloroform	U		0.000256	0.00559	1	12/11/2017 04:47	WG1051921
Chloromethane	U		0.000419	0.00280	1	12/11/2017 04:47	WG1051921
2-Chlorotoluene	U		0.000337	0.00112	1	12/11/2017 04:47	WG1051921
4-Chlorotoluene	U		0.000268	0.00112	1	12/11/2017 04:47	WG1051921
1,2-Dibromo-3-Chloropropane	U		0.00117	0.00559	1	12/11/2017 04:47	WG1051921
1,2-Dibromoethane	U		0.000384	0.00112	1	12/11/2017 04:47	WG1051921
Dibromomethane	U		0.000427	0.00112	1	12/11/2017 04:47	WG1051921
1,2-Dichlorobenzene	U		0.000341	0.00112	1	12/11/2017 04:47	WG1051921
1,3-Dichlorobenzene	U		0.000267	0.00112	1	12/11/2017 04:47	WG1051921
1,4-Dichlorobenzene	U		0.000253	0.00112	1	12/11/2017 04:47	WG1051921
Dichlorodifluoromethane	U		0.000797	0.00559	1	12/11/2017 04:47	WG1051921
1,1-Dichloroethane	U		0.000223	0.00112	1	12/11/2017 04:47	WG1051921
1,2-Dichloroethane	U		0.000296	0.00112	1	12/11/2017 04:47	WG1051921
1,1-Dichloroethene	0.00340		0.000339	0.00112	1	12/11/2017 04:47	WG1051921
cis-1,2-Dichloroethene	0.375		0.00658	0.0280	25	12/12/2017 15:33	WG1051921
trans-1,2-Dichloroethene	0.00236		0.000295	0.00112	1	12/11/2017 04:47	WG1051921
1,2-Dichloropropane	U		0.000400	0.00112	1	12/11/2017 04:47	WG1051921
1,1-Dichloropropene	U		0.000354	0.00112	1	12/11/2017 04:47	WG1051921
1,3-Dichloropropane	U		0.000231	0.00112	1	12/11/2017 04:47	WG1051921
cis-1,3-Dichloropropene	U		0.000293	0.00112	1	12/11/2017 04:47	WG1051921
trans-1,3-Dichloropropene	U		0.000299	0.00112	1	12/11/2017 04:47	WG1051921
trans-1,4-Dichloro-2-butene	U	J0	0.000870	0.00280	1	12/11/2017 04:47	WG1051921
2,2-Dichloropropane	U	J4	0.000312	0.00112	1	12/11/2017 04:47	WG1051921
Di-isopropyl ether	U		0.000277	0.00112	1	12/11/2017 04:47	WG1051921
Ethylbenzene	U		0.000332	0.00112	1	12/11/2017 04:47	WG1051921
Hexachloro-1,3-butadiene	U		0.000382	0.00112	1	12/11/2017 04:47	WG1051921
2-Hexanone	U		0.00153	0.0112	1	12/11/2017 04:47	WG1051921
n-Hexane	U		0.000324	0.0112	1	12/11/2017 04:47	WG1051921
Iodomethane	U		0.00283	0.0112	1	12/11/2017 04:47	WG1051921
Isopropylbenzene	U		0.000272	0.00112	1	12/11/2017 04:47	WG1051921
p-Isopropyltoluene	U		0.000228	0.00112	1	12/11/2017 04:47	WG1051921
2-Butanone (MEK)	U		0.00523	0.0112	1	12/11/2017 04:47	WG1051921
Methylene Chloride	U		0.00112	0.00559	1	12/11/2017 04:47	WG1051921
4-Methyl-2-pentanone (MIBK)	U		0.00210	0.0112	1	12/11/2017 04:47	WG1051921

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000237	0.00112	1	12/11/2017 04:47	WG1051921
Naphthalene	U		0.00112	0.00559	1	12/11/2017 04:47	WG1051921
n-Propylbenzene	U		0.000230	0.00112	1	12/11/2017 04:47	WG1051921
Styrene	U		0.000262	0.00112	1	12/11/2017 04:47	WG1051921
1,1,1,2-Tetrachloroethane	U		0.000295	0.00112	1	12/11/2017 04:47	WG1051921
1,1,2,2-Tetrachloroethane	U		0.000408	0.00112	1	12/11/2017 04:47	WG1051921
1,1,2-Trichlorotrifluoroethane	U		0.000408	0.00112	1	12/11/2017 04:47	WG1051921
Tetrachloroethene	3.04		0.00772	0.0280	25	12/12/2017 15:33	WG1051921
Toluene	U		0.000485	0.00559	1	12/11/2017 04:47	WG1051921
1,2,3-Trichlorobenzene	U		0.000342	0.00112	1	12/11/2017 04:47	WG1051921
1,2,4-Trichlorobenzene	U		0.000434	0.00112	1	12/11/2017 04:47	WG1051921
1,1,1-Trichloroethane	U		0.000320	0.00112	1	12/11/2017 04:47	WG1051921
1,1,2-Trichloroethane	U		0.000310	0.00112	1	12/11/2017 04:47	WG1051921
Trichloroethene	0.303		0.00781	0.0280	25	12/12/2017 15:33	WG1051921
Trichlorofluoromethane	U		0.000427	0.00559	1	12/11/2017 04:47	WG1051921
1,2,3-Trichloropropane	U		0.000829	0.00280	1	12/11/2017 04:47	WG1051921
1,2,4-Trimethylbenzene	U		0.000236	0.00112	1	12/11/2017 04:47	WG1051921
1,2,3-Trimethylbenzene	U		0.000321	0.00112	1	12/11/2017 04:47	WG1051921
1,3,5-Trimethylbenzene	U		0.000297	0.00112	1	12/11/2017 04:47	WG1051921
Vinyl acetate	U		0.00267	0.0112	1	12/11/2017 04:47	WG1051921
Vinyl chloride	0.0375		0.000325	0.00112	1	12/11/2017 04:47	WG1051921
Xylenes, Total	U		0.000781	0.00335	1	12/11/2017 04:47	WG1051921
(S) Toluene-d8	*88.9*			*80.0-120*		*12/11/2017 04:47*	WG1051921
(S) Toluene-d8	*104*			*80.0-120*		*12/12/2017 15:33*	WG1051921
(S) Dibromofluoromethane	*97.3*			*74.0-131*		*12/12/2017 15:33*	WG1051921
(S) Dibromofluoromethane	*106*			*74.0-131*		*12/11/2017 04:47*	WG1051921
(S) 4-Bromofluorobenzene	*97.3*			*64.0-132*		*12/12/2017 15:33*	WG1051921
(S) 4-Bromofluorobenzene	*98.7*			*64.0-132*		*12/11/2017 04:47*	WG1051921

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	94.3		1	12/13/2017 13:32	WG1052966

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0106	0.0530	1	12/11/2017 05:08	WG1051921
Acrylonitrile	U		0.00190	0.0106	1	12/11/2017 05:08	WG1051921
Benzene	U		0.000286	0.00106	1	12/11/2017 05:08	WG1051921
Bromobenzene	U		0.000301	0.00106	1	12/11/2017 05:08	WG1051921
Bromodichloromethane	U		0.000269	0.00106	1	12/11/2017 05:08	WG1051921
Bromochloromethane	U		0.000413	0.00530	1	12/11/2017 05:08	WG1051921
Bromoform	U		0.000449	0.00106	1	12/11/2017 05:08	WG1051921
Bromomethane	U		0.00142	0.00530	1	12/11/2017 05:08	WG1051921
n-Butylbenzene	U		0.000274	0.00106	1	12/11/2017 05:08	WG1051921
sec-Butylbenzene	U		0.000213	0.00106	1	12/11/2017 05:08	WG1051921
tert-Butylbenzene	U		0.000218	0.00106	1	12/11/2017 05:08	WG1051921
Carbon disulfide	U		0.000234	0.00106	1	12/11/2017 05:08	WG1051921
Carbon tetrachloride	U		0.000348	0.00106	1	12/11/2017 05:08	WG1051921
Chlorobenzene	U		0.000225	0.00106	1	12/11/2017 05:08	WG1051921
Chlorodibromomethane	U		0.000395	0.00106	1	12/11/2017 05:08	WG1051921
Chloroethane	U		0.00100	0.00530	1	12/11/2017 05:08	WG1051921
Chloroform	U		0.000243	0.00530	1	12/11/2017 05:08	WG1051921
Chloromethane	U		0.000398	0.00265	1	12/11/2017 05:08	WG1051921
2-Chlorotoluene	U		0.000319	0.00106	1	12/11/2017 05:08	WG1051921
4-Chlorotoluene	U		0.000254	0.00106	1	12/11/2017 05:08	WG1051921
1,2-Dibromo-3-Chloropropane	U		0.00111	0.00530	1	12/11/2017 05:08	WG1051921
1,2-Dibromoethane	U		0.000364	0.00106	1	12/11/2017 05:08	WG1051921
Dibromomethane	U		0.000405	0.00106	1	12/11/2017 05:08	WG1051921
1,2-Dichlorobenzene	U		0.000323	0.00106	1	12/11/2017 05:08	WG1051921
1,3-Dichlorobenzene	U		0.000253	0.00106	1	12/11/2017 05:08	WG1051921
1,4-Dichlorobenzene	U		0.000240	0.00106	1	12/11/2017 05:08	WG1051921
Dichlorodifluoromethane	U		0.000756	0.00530	1	12/11/2017 05:08	WG1051921
1,1-Dichloroethane	U		0.000211	0.00106	1	12/11/2017 05:08	WG1051921
1,2-Dichloroethane	U		0.000281	0.00106	1	12/11/2017 05:08	WG1051921
1,1-Dichloroethene	0.000506	J	0.000321	0.00106	1	12/11/2017 05:08	WG1051921
cis-1,2-Dichloroethene	0.0572		0.000249	0.00106	1	12/11/2017 05:08	WG1051921
trans-1,2-Dichloroethene	0.000537	J	0.000280	0.00106	1	12/11/2017 05:08	WG1051921
1,2-Dichloropropane	U		0.000380	0.00106	1	12/11/2017 05:08	WG1051921
1,1-Dichloropropene	U		0.000336	0.00106	1	12/11/2017 05:08	WG1051921
1,3-Dichloropropane	U		0.000219	0.00106	1	12/11/2017 05:08	WG1051921
cis-1,3-Dichloropropene	U		0.000278	0.00106	1	12/11/2017 05:08	WG1051921
trans-1,3-Dichloropropene	U		0.000283	0.00106	1	12/11/2017 05:08	WG1051921
trans-1,4-Dichloro-2-butene	U	J0	0.000825	0.00265	1	12/11/2017 05:08	WG1051921
2,2-Dichloropropane	U	J4	0.000296	0.00106	1	12/11/2017 05:08	WG1051921
Di-isopropyl ether	U		0.000263	0.00106	1	12/11/2017 05:08	WG1051921
Ethylbenzene	U		0.000315	0.00106	1	12/11/2017 05:08	WG1051921
Hexachloro-1,3-butadiene	U		0.000363	0.00106	1	12/11/2017 05:08	WG1051921
2-Hexanone	U		0.00145	0.0106	1	12/11/2017 05:08	WG1051921
n-Hexane	U		0.000307	0.0106	1	12/11/2017 05:08	WG1051921
Iodomethane	U		0.00268	0.0106	1	12/11/2017 05:08	WG1051921
Isopropylbenzene	U		0.000258	0.00106	1	12/11/2017 05:08	WG1051921
p-Isopropyltoluene	U		0.000216	0.00106	1	12/11/2017 05:08	WG1051921
2-Butanone (MEK)	U		0.00496	0.0106	1	12/11/2017 05:08	WG1051921
Methylene Chloride	U		0.00106	0.00530	1	12/11/2017 05:08	WG1051921
4-Methyl-2-pentanone (MIBK)	U		0.00199	0.0106	1	12/11/2017 05:08	WG1051921

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000225	0.00106	1	12/11/2017 05:08	WG1051921
Naphthalene	U		0.00106	0.00530	1	12/11/2017 05:08	WG1051921
n-Propylbenzene	U		0.000218	0.00106	1	12/11/2017 05:08	WG1051921
Styrene	U		0.000248	0.00106	1	12/11/2017 05:08	WG1051921
1,1,1,2-Tetrachloroethane	U		0.000280	0.00106	1	12/11/2017 05:08	WG1051921
1,1,2,2-Tetrachloroethane	U		0.000387	0.00106	1	12/11/2017 05:08	WG1051921
1,1,2-Trichlorotrifluoroethane	U		0.000387	0.00106	1	12/11/2017 05:08	WG1051921
Tetrachloroethene	1.02		0.00731	0.0265	25	12/12/2017 15:54	WG1051921
Toluene	U		0.000460	0.00530	1	12/11/2017 05:08	WG1051921
1,2,3-Trichlorobenzene	U		0.000324	0.00106	1	12/11/2017 05:08	WG1051921
1,2,4-Trichlorobenzene	U		0.000411	0.00106	1	12/11/2017 05:08	WG1051921
1,1,1-Trichloroethane	U		0.000303	0.00106	1	12/11/2017 05:08	WG1051921
1,1,2-Trichloroethane	U		0.000294	0.00106	1	12/11/2017 05:08	WG1051921
Trichloroethene	0.0375		0.000296	0.00106	1	12/11/2017 05:08	WG1051921
Trichlorofluoromethane	U		0.000405	0.00530	1	12/11/2017 05:08	WG1051921
1,2,3-Trichloropropane	U		0.000786	0.00265	1	12/11/2017 05:08	WG1051921
1,2,4-Trimethylbenzene	U		0.000224	0.00106	1	12/11/2017 05:08	WG1051921
1,2,3-Trimethylbenzene	U		0.000304	0.00106	1	12/11/2017 05:08	WG1051921
1,3,5-Trimethylbenzene	U		0.000282	0.00106	1	12/11/2017 05:08	WG1051921
Vinyl acetate	U		0.00253	0.0106	1	12/11/2017 05:08	WG1051921
Vinyl chloride	0.0210		0.000308	0.00106	1	12/11/2017 05:08	WG1051921
Xylenes, Total	U		0.000740	0.00318	1	12/11/2017 05:08	WG1051921
(S) Toluene-d8	*90.8*			*80.0-120*		*12/11/2017 05:08*	WG1051921
(S) Toluene-d8	*101*			*80.0-120*		*12/12/2017 15:54*	WG1051921
(S) Dibromofluoromethane	*107*			*74.0-131*		*12/11/2017 05:08*	WG1051921
(S) Dibromofluoromethane	*97.7*			*74.0-131*		*12/12/2017 15:54*	WG1051921
(S) 4-Bromofluorobenzene	*96.2*			*64.0-132*		*12/12/2017 15:54*	WG1051921
(S) 4-Bromofluorobenzene	*97.9*			*64.0-132*		*12/11/2017 05:08*	WG1051921

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	85.4		1	12/13/2017 13:32	WG1052966

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0117	0.0586	1	12/11/2017 05:29	WG1051921
Acrylonitrile	U		0.00210	0.0117	1	12/11/2017 05:29	WG1051921
Benzene	U		0.000316	0.00117	1	12/11/2017 05:29	WG1051921
Bromobenzene	U		0.000333	0.00117	1	12/11/2017 05:29	WG1051921
Bromodichloromethane	U		0.000297	0.00117	1	12/11/2017 05:29	WG1051921
Bromochloromethane	U		0.000457	0.00586	1	12/11/2017 05:29	WG1051921
Bromoform	U		0.000497	0.00117	1	12/11/2017 05:29	WG1051921
Bromomethane	U		0.00157	0.00586	1	12/11/2017 05:29	WG1051921
n-Butylbenzene	U		0.000302	0.00117	1	12/11/2017 05:29	WG1051921
sec-Butylbenzene	U		0.000235	0.00117	1	12/11/2017 05:29	WG1051921
tert-Butylbenzene	U		0.000241	0.00117	1	12/11/2017 05:29	WG1051921
Carbon disulfide	0.000486	J	0.000259	0.00117	1	12/11/2017 05:29	WG1051921
Carbon tetrachloride	U		0.000384	0.00117	1	12/11/2017 05:29	WG1051921
Chlorobenzene	U		0.000248	0.00117	1	12/11/2017 05:29	WG1051921
Chlorodibromomethane	U		0.000437	0.00117	1	12/11/2017 05:29	WG1051921
Chloroethane	U		0.00111	0.00586	1	12/11/2017 05:29	WG1051921
Chloroform	U		0.000268	0.00586	1	12/11/2017 05:29	WG1051921
Chloromethane	U		0.000439	0.00293	1	12/11/2017 05:29	WG1051921
2-Chlorotoluene	U		0.000353	0.00117	1	12/11/2017 05:29	WG1051921
4-Chlorotoluene	U		0.000281	0.00117	1	12/11/2017 05:29	WG1051921
1,2-Dibromo-3-Chloropropane	U		0.00123	0.00586	1	12/11/2017 05:29	WG1051921
1,2-Dibromoethane	U		0.000402	0.00117	1	12/11/2017 05:29	WG1051921
Dibromomethane	U		0.000447	0.00117	1	12/11/2017 05:29	WG1051921
1,2-Dichlorobenzene	U		0.000357	0.00117	1	12/11/2017 05:29	WG1051921
1,3-Dichlorobenzene	U		0.000280	0.00117	1	12/11/2017 05:29	WG1051921
1,4-Dichlorobenzene	U		0.000265	0.00117	1	12/11/2017 05:29	WG1051921
Dichlorodifluoromethane	U		0.000835	0.00586	1	12/11/2017 05:29	WG1051921
1,1-Dichloroethane	U		0.000233	0.00117	1	12/11/2017 05:29	WG1051921
1,2-Dichloroethane	U		0.000310	0.00117	1	12/11/2017 05:29	WG1051921
1,1-Dichloroethene	0.000670	J	0.000355	0.00117	1	12/11/2017 05:29	WG1051921
cis-1,2-Dichloroethene	0.0928		0.000275	0.00117	1	12/11/2017 05:29	WG1051921
trans-1,2-Dichloroethene	0.000500	J	0.000309	0.00117	1	12/11/2017 05:29	WG1051921
1,2-Dichloropropane	U		0.000419	0.00117	1	12/11/2017 05:29	WG1051921
1,1-Dichloropropene	U		0.000371	0.00117	1	12/11/2017 05:29	WG1051921
1,3-Dichloropropane	U		0.000242	0.00117	1	12/11/2017 05:29	WG1051921
cis-1,3-Dichloropropene	U		0.000307	0.00117	1	12/11/2017 05:29	WG1051921
trans-1,3-Dichloropropene	U		0.000313	0.00117	1	12/11/2017 05:29	WG1051921
trans-1,4-Dichloro-2-butene	U	J0	0.000911	0.00293	1	12/11/2017 05:29	WG1051921
2,2-Dichloropropane	U	J4	0.000327	0.00117	1	12/11/2017 05:29	WG1051921
Di-isopropyl ether	U		0.000290	0.00117	1	12/11/2017 05:29	WG1051921
Ethylbenzene	U		0.000348	0.00117	1	12/11/2017 05:29	WG1051921
Hexachloro-1,3-butadiene	U		0.000401	0.00117	1	12/11/2017 05:29	WG1051921
2-Hexanone	U		0.00160	0.0117	1	12/11/2017 05:29	WG1051921
n-Hexane	U		0.000340	0.0117	1	12/11/2017 05:29	WG1051921
Iodomethane	U		0.00296	0.0117	1	12/11/2017 05:29	WG1051921
Isopropylbenzene	U		0.000285	0.00117	1	12/11/2017 05:29	WG1051921
p-Isopropyltoluene	U		0.000239	0.00117	1	12/11/2017 05:29	WG1051921
2-Butanone (MEK)	U		0.00548	0.0117	1	12/11/2017 05:29	WG1051921
Methylene Chloride	U		0.00117	0.00586	1	12/11/2017 05:29	WG1051921
4-Methyl-2-pentanone (MIBK)	U		0.00220	0.0117	1	12/11/2017 05:29	WG1051921

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000248	0.00117	1	12/11/2017 05:29	WG1051921
Naphthalene	U		0.00117	0.00586	1	12/11/2017 05:29	WG1051921
n-Propylbenzene	U		0.000241	0.00117	1	12/11/2017 05:29	WG1051921
Styrene	U		0.000274	0.00117	1	12/11/2017 05:29	WG1051921
1,1,1,2-Tetrachloroethane	U		0.000309	0.00117	1	12/11/2017 05:29	WG1051921
1,1,2,2-Tetrachloroethane	U		0.000427	0.00117	1	12/11/2017 05:29	WG1051921
1,1,2-Trichlorotrifluoroethane	U		0.000427	0.00117	1	12/11/2017 05:29	WG1051921
Tetrachloroethene	4.04		0.0162	0.0586	50	12/12/2017 16:36	WG1051921
Toluene	U		0.000508	0.00586	1	12/11/2017 05:29	WG1051921
1,2,3-Trichlorobenzene	U		0.000358	0.00117	1	12/11/2017 05:29	WG1051921
1,2,4-Trichlorobenzene	U		0.000454	0.00117	1	12/11/2017 05:29	WG1051921
1,1,1-Trichloroethane	U		0.000335	0.00117	1	12/11/2017 05:29	WG1051921
1,1,2-Trichloroethane	U		0.000324	0.00117	1	12/11/2017 05:29	WG1051921
Trichloroethene	0.0399		0.000327	0.00117	1	12/11/2017 05:29	WG1051921
Trichlorofluoromethane	U		0.000447	0.00586	1	12/11/2017 05:29	WG1051921
1,2,3-Trichloropropane	U		0.000868	0.00293	1	12/11/2017 05:29	WG1051921
1,2,4-Trimethylbenzene	U		0.000247	0.00117	1	12/11/2017 05:29	WG1051921
1,2,3-Trimethylbenzene	U		0.000336	0.00117	1	12/11/2017 05:29	WG1051921
1,3,5-Trimethylbenzene	U		0.000312	0.00117	1	12/11/2017 05:29	WG1051921
Vinyl acetate	U		0.00280	0.0117	1	12/11/2017 05:29	WG1051921
Vinyl chloride	0.0328		0.000341	0.00117	1	12/11/2017 05:29	WG1051921
Xylenes, Total	U		0.000817	0.00351	1	12/11/2017 05:29	WG1051921
(S) Toluene-d8	*91.6*			*80.0-120*		*12/11/2017 05:29*	WG1051921
(S) Toluene-d8	*98.8*			*80.0-120*		*12/12/2017 16:36*	WG1051921
(S) Dibromofluoromethane	*108*			*74.0-131*		*12/11/2017 05:29*	WG1051921
(S) Dibromofluoromethane	*95.2*			*74.0-131*		*12/12/2017 16:36*	WG1051921
(S) 4-Bromofluorobenzene	*96.4*			*64.0-132*		*12/12/2017 16:36*	WG1051921
(S) 4-Bromofluorobenzene	*103*			*64.0-132*		*12/11/2017 05:29*	WG1051921

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	2.64	J	1.05	25.0	1	12/13/2017 14:22	WG1053020
Acrylonitrile	U		0.873	5.00	1	12/13/2017 14:22	WG1053020
Benzene	U		0.0896	0.500	1	12/13/2017 14:22	WG1053020
Bromobenzene	U		0.133	0.500	1	12/13/2017 14:22	WG1053020
Bromodichloromethane	U		0.0800	0.500	1	12/13/2017 14:22	WG1053020
Bromochloromethane	U		0.145	0.500	1	12/13/2017 14:22	WG1053020
Bromoform	U		0.186	0.500	1	12/13/2017 14:22	WG1053020
Bromomethane	U		0.157	2.50	1	12/13/2017 14:22	WG1053020
n-Butylbenzene	U		0.143	0.500	1	12/13/2017 14:22	WG1053020
sec-Butylbenzene	U		0.134	0.500	1	12/13/2017 14:22	WG1053020
tert-Butylbenzene	U		0.183	0.500	1	12/13/2017 14:22	WG1053020
Carbon disulfide	U		0.101	0.500	1	12/13/2017 14:22	WG1053020
Carbon tetrachloride	U		0.159	0.500	1	12/13/2017 14:22	WG1053020
Chlorobenzene	U		0.140	0.500	1	12/13/2017 14:22	WG1053020
Chlorodibromomethane	U		0.128	0.500	1	12/13/2017 14:22	WG1053020
Chloroethane	U		0.141	2.50	1	12/13/2017 14:22	WG1053020
Chloroform	U		0.0860	0.500	1	12/13/2017 14:22	WG1053020
Chloromethane	U		0.153	1.25	1	12/13/2017 14:22	WG1053020
2-Chlorotoluene	U		0.111	0.500	1	12/13/2017 14:22	WG1053020
4-Chlorotoluene	U		0.0972	0.500	1	12/13/2017 14:22	WG1053020
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	12/13/2017 14:22	WG1053020
1,2-Dibromoethane	U		0.193	0.500	1	12/13/2017 14:22	WG1053020
Dibromomethane	U		0.117	0.500	1	12/13/2017 14:22	WG1053020
1,2-Dichlorobenzene	U		0.101	0.500	1	12/13/2017 14:22	WG1053020
1,3-Dichlorobenzene	U		0.130	0.500	1	12/13/2017 14:22	WG1053020
1,4-Dichlorobenzene	U		0.121	0.500	1	12/13/2017 14:22	WG1053020
Dichlorodifluoromethane	U		0.127	2.50	1	12/13/2017 14:22	WG1053020
1,1-Dichloroethane	U		0.114	0.500	1	12/13/2017 14:22	WG1053020
1,2-Dichloroethane	U		0.108	0.500	1	12/13/2017 14:22	WG1053020
1,1-Dichloroethene	U		0.188	0.500	1	12/13/2017 14:22	WG1053020
cis-1,2-Dichloroethene	U		0.0933	0.500	1	12/13/2017 14:22	WG1053020
trans-1,2-Dichloroethene	U		0.152	0.500	1	12/13/2017 14:22	WG1053020
1,2-Dichloropropane	U		0.190	0.500	1	12/13/2017 14:22	WG1053020
1,1-Dichloropropene	U		0.128	0.500	1	12/13/2017 14:22	WG1053020
1,3-Dichloropropane	U		0.147	1.00	1	12/13/2017 14:22	WG1053020
cis-1,3-Dichloropropene	U		0.0976	0.500	1	12/13/2017 14:22	WG1053020
trans-1,3-Dichloropropene	U		0.222	0.500	1	12/13/2017 14:22	WG1053020
trans-1,4-Dichloro-2-butene	U	J4	0.257	5.00	1	12/14/2017 05:54	WG1053020
2,2-Dichloropropane	U		0.0929	0.500	1	12/13/2017 14:22	WG1053020
Di-isopropyl ether	U		0.0924	0.500	1	12/13/2017 14:22	WG1053020
Ethylbenzene	U		0.158	0.500	1	12/13/2017 14:22	WG1053020
Hexachloro-1,3-butadiene	U		0.157	1.00	1	12/13/2017 14:22	WG1053020
2-Hexanone	U		0.757	5.00	1	12/13/2017 14:22	WG1053020
n-Hexane	U		0.305	5.00	1	12/13/2017 14:22	WG1053020
Iodomethane	U		0.377	10.0	1	12/13/2017 14:22	WG1053020
Isopropylbenzene	U		0.126	0.500	1	12/13/2017 14:22	WG1053020
p-Isopropyltoluene	U		0.138	0.500	1	12/13/2017 14:22	WG1053020
2-Butanone (MEK)	U		1.28	5.00	1	12/13/2017 14:22	WG1053020
Methylene Chloride	U		1.07	2.50	1	12/13/2017 14:22	WG1053020
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	12/13/2017 14:22	WG1053020
Methyl tert-butyl ether	U		0.102	0.500	1	12/13/2017 14:22	WG1053020
Naphthalene	U		0.174	2.50	1	12/13/2017 14:22	WG1053020
n-Propylbenzene	U		0.162	0.500	1	12/13/2017 14:22	WG1053020
Styrene	U		0.117	0.500	1	12/13/2017 14:22	WG1053020
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	12/13/2017 14:22	WG1053020
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	12/13/2017 14:22	WG1053020

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

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	12/13/2017 14:22	WG1053020
Tetrachloroethene	U		0.199	0.500	1	12/13/2017 14:22	WG1053020
Toluene	U		0.412	0.500	1	12/13/2017 14:22	WG1053020
1,2,3-Trichlorobenzene	U		0.164	0.500	1	12/13/2017 14:22	WG1053020
1,2,4-Trichlorobenzene	U		0.355	0.500	1	12/13/2017 14:22	WG1053020
1,1,1-Trichloroethane	U		0.0940	0.500	1	12/13/2017 14:22	WG1053020
1,1,2-Trichloroethane	U		0.186	0.500	1	12/13/2017 14:22	WG1053020
Trichloroethene	U		0.153	0.500	1	12/13/2017 14:22	WG1053020
Trichlorofluoromethane	U		0.130	2.50	1	12/13/2017 14:22	WG1053020
1,2,3-Trichloropropane	U		0.247	2.50	1	12/13/2017 14:22	WG1053020
1,2,4-Trimethylbenzene	U		0.123	0.500	1	12/13/2017 14:22	WG1053020
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	12/13/2017 14:22	WG1053020
1,3,5-Trimethylbenzene	U		0.124	0.500	1	12/13/2017 14:22	WG1053020
Vinyl acetate	U		0.645	5.00	1	12/13/2017 14:22	WG1053020
Vinyl chloride	U		0.118	0.500	1	12/13/2017 14:22	WG1053020
Xylenes, Total	U		0.316	1.50	1	12/13/2017 14:22	WG1053020
(S) Toluene-d8	*109*			*80.0-120*		*12/14/2017 05:54*	WG1053020
(S) Toluene-d8	*103*			*80.0-120*		*12/13/2017 14:22*	WG1053020
(S) Dibromofluoromethane	*97.4*			*76.0-123*		*12/14/2017 05:54*	WG1053020
(S) Dibromofluoromethane	*98.3*			*76.0-123*		*12/13/2017 14:22*	WG1053020
(S) 4-Bromofluorobenzene	*99.0*			*80.0-120*		*12/13/2017 14:22*	WG1053020
(S) 4-Bromofluorobenzene	*105*			*80.0-120*		*12/14/2017 05:54*	WG1053020

Method Blank (MB)

(MB) R3272867-1 12/13/17 11:18

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0			

L956188-16 Original Sample (OS) • Duplicate (DUP)

(OS) L956188-16 12/13/17 11:18 • (DUP) R3272867-3 12/13/17 11:18

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	91.8	91.7	1	0		5

Laboratory Control Sample (LCS)

(LCS) R3272867-2 12/13/17 11:18

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	85-115	

Method Blank (MB)

(MB) R3272871-1 12/13/17 13:32

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0			

L956226-09 Original Sample (OS) • Duplicate (DUP)

(OS) L956226-09 12/13/17 13:32 • (DUP) R3272871-3 12/13/17 13:32

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	87.4	88.3	1	1		5

Laboratory Control Sample (LCS)

(LCS) R3272871-2 12/13/17 13:32

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	85-115	

Method Blank (MB)

(MB) R3272172-3 12/11/17 00:39

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acetone	U		0.0100	0.0500
Acrylonitrile	U		0.00179	0.0100
Benzene	U		0.000270	0.00100
Bromobenzene	U		0.000284	0.00100
Bromodichloromethane	U		0.000254	0.00100
Bromochloromethane	U		0.000390	0.00500
Bromoform	U		0.000424	0.00100
Bromomethane	U		0.00134	0.00500
n-Butylbenzene	U		0.000258	0.00100
sec-Butylbenzene	U		0.000201	0.00100
tert-Butylbenzene	U		0.000206	0.00100
Carbon disulfide	U		0.000221	0.00100
Carbon tetrachloride	U		0.000328	0.00100
Chlorobenzene	U		0.000212	0.00100
Chlorodibromomethane	U		0.000373	0.00100
Chloroethane	U		0.000946	0.00500
Chloroform	U		0.000229	0.00500
Chloromethane	U		0.000375	0.00250
2-Chlorotoluene	U		0.000301	0.00100
4-Chlorotoluene	U		0.000240	0.00100
1,2-Dibromo-3-Chloropropane	U		0.00105	0.00500
1,2-Dibromoethane	U		0.000343	0.00100
Dibromomethane	U		0.000382	0.00100
1,2-Dichlorobenzene	U		0.000305	0.00100
1,3-Dichlorobenzene	U		0.000239	0.00100
1,4-Dichlorobenzene	U		0.000226	0.00100
trans-1,4-Dichloro-2-butene	U		0.000778	0.00250
Dichlorodifluoromethane	U		0.000713	0.00500
1,1-Dichloroethane	U		0.000199	0.00100
1,2-Dichloroethane	U		0.000265	0.00100
1,1-Dichloroethene	U		0.000303	0.00100
cis-1,2-Dichloroethene	U		0.000235	0.00100
trans-1,2-Dichloroethene	U		0.000264	0.00100
1,2-Dichloropropane	U		0.000358	0.00100
1,1-Dichloropropene	U		0.000317	0.00100
1,3-Dichloropropane	U		0.000207	0.00100
cis-1,3-Dichloropropene	U		0.000262	0.00100
trans-1,3-Dichloropropene	U		0.000267	0.00100
2,2-Dichloropropane	U		0.000279	0.00100
Di-isopropyl ether	U		0.000248	0.00100

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

Method Blank (MB)

(MB) R3272172-3 12/11/17 00:39

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Ethylbenzene	U		0.000297	0.00100
2-Hexanone	U		0.00137	0.0100
Hexachloro-1,3-butadiene	U		0.000342	0.00100
Iodomethane	U		0.00253	0.0100
n-Hexane	U		0.000290	0.0100
Isopropylbenzene	U		0.000243	0.00100
p-Isopropyltoluene	U		0.000204	0.00100
2-Butanone (MEK)	U		0.00468	0.0100
Methylene Chloride	U		0.00100	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.00188	0.0100
Methyl tert-butyl ether	U		0.000212	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.000206	0.00100
Styrene	U		0.000234	0.00100
1,1,1,2-Tetrachloroethane	U		0.000264	0.00100
1,1,2,2-Tetrachloroethane	U		0.000365	0.00100
Tetrachloroethene	U		0.000276	0.00100
Toluene	U		0.000434	0.00500
1,1,2-Trichlorotrifluoroethane	U		0.000365	0.00100
1,2,3-Trichlorobenzene	U		0.000306	0.00100
1,2,4-Trichlorobenzene	U		0.000388	0.00100
1,1,1-Trichloroethane	U		0.000286	0.00100
1,1,2-Trichloroethane	U		0.000277	0.00100
Trichloroethene	U		0.000279	0.00100
Trichlorofluoromethane	U		0.000382	0.00500
Vinyl acetate	U		0.00239	0.0100
1,2,3-Trichloropropane	U		0.000741	0.00250
1,2,3-Trimethylbenzene	U		0.000287	0.00100
1,2,4-Trimethylbenzene	U		0.000211	0.00100
1,3,5-Trimethylbenzene	U		0.000266	0.00100
Vinyl chloride	U		0.000291	0.00100
Xylenes, Total	U		0.000698	0.00300
(S) Toluene-d8	*100*			*80.0-120*
(S) Dibromofluoromethane	*96.6*			*74.0-131*
(S) 4-Bromofluorobenzene	*98.2*			*64.0-132*

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

(LCS) R3272172-1 12/10/17 23:14 • (LCSD) R3272172-2 12/10/17 23:36

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.125	0.151	0.152	121	122	11.0-160			0.767	23
Acrylonitrile	0.125	0.132	0.134	105	107	61.0-143			1.96	20
Benzene	0.0250	0.0269	0.0274	108	110	71.0-124			1.78	20
Bromobenzene	0.0250	0.0228	0.0232	91.2	92.8	78.0-120			1.76	20
Bromodichloromethane	0.0250	0.0253	0.0250	101	100	75.0-120			0.966	20
Bromoform	0.0250	0.0225	0.0232	89.8	92.8	65.0-133			3.25	20
Bromochloromethane	0.0250	0.0274	0.0275	110	110	80.0-121			0.525	20
Bromomethane	0.0250	0.0329	0.0329	132	132	26.0-160			0.0707	20
n-Butylbenzene	0.0250	0.0279	0.0287	112	115	73.0-126			2.71	20
sec-Butylbenzene	0.0250	0.0263	0.0270	105	108	75.0-121			2.60	20
tert-Butylbenzene	0.0250	0.0251	0.0257	101	103	74.0-122			2.34	20
Carbon disulfide	0.0250	0.0279	0.0285	112	114	53.0-130			2.16	20
Carbon tetrachloride	0.0250	0.0258	0.0264	103	105	66.0-123			2.31	20
Chlorobenzene	0.0250	0.0248	0.0255	99.2	102	79.0-121			2.65	20
Chlorodibromomethane	0.0250	0.0231	0.0237	92.4	94.8	74.0-128			2.63	20
Chloroethane	0.0250	0.0291	0.0298	116	119	51.0-147			2.21	20
Chloroform	0.0250	0.0267	0.0273	107	109	73.0-123			2.21	20
Chloromethane	0.0250	0.0289	0.0293	115	117	51.0-138			1.51	20
2-Chlorotoluene	0.0250	0.0241	0.0250	96.3	100	72.0-124			3.77	20
4-Chlorotoluene	0.0250	0.0241	0.0250	96.5	99.8	78.0-120			3.34	20
1,2-Dibromo-3-Chloropropane	0.0250	0.0225	0.0242	90.1	96.7	65.0-126			7.01	20
1,2-Dibromoethane	0.0250	0.0233	0.0239	93.1	95.5	78.0-122			2.51	20
Dibromomethane	0.0250	0.0251	0.0249	100	99.5	79.0-120			0.956	20
1,2-Dichlorobenzene	0.0250	0.0233	0.0244	93.3	97.7	80.0-120			4.59	20
1,3-Dichlorobenzene	0.0250	0.0240	0.0250	96.1	99.8	72.0-123			3.81	20
1,4-Dichlorobenzene	0.0250	0.0236	0.0241	94.4	96.3	77.0-120			1.98	20
Dichlorodifluoromethane	0.0250	0.0288	0.0291	115	117	49.0-155			1.10	20
trans-1,4-Dichloro-2-butene	0.0250	0.0198	0.0205	79.4	82.2	68.0-126			3.43	20
1,1-Dichloroethane	0.0250	0.0274	0.0276	109	110	70.0-128			0.911	20
1,2-Dichloroethane	0.0250	0.0256	0.0263	103	105	69.0-128			2.61	20
1,1-Dichloroethene	0.0250	0.0269	0.0277	108	111	63.0-131			2.78	20
cis-1,2-Dichloroethene	0.0250	0.0272	0.0273	109	109	74.0-123			0.545	20
trans-1,2-Dichloroethene	0.0250	0.0275	0.0282	110	113	72.0-122			2.60	20
1,2-Dichloropropane	0.0250	0.0255	0.0256	102	103	75.0-126			0.542	20
1,1-Dichloropropene	0.0250	0.0276	0.0277	110	111	72.0-130			0.520	20
1,3-Dichloropropane	0.0250	0.0232	0.0237	92.8	94.9	80.0-121			2.29	20
cis-1,3-Dichloropropene	0.0250	0.0235	0.0244	93.8	97.7	80.0-125			4.12	20
trans-1,3-Dichloropropene	0.0250	0.0235	0.0244	94.2	97.6	75.0-129			3.55	20
2,2-Dichloropropane	0.0250	0.0326	0.0325	130	130	60.0-129	J4	J4	0.240	20
Di-isopropyl ether	0.0250	0.0270	0.0273	108	109	62.0-133			1.15	20

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

(LCS) R3272172-1 12/10/17 23:14 • (LCSD) R3272172-2 12/10/17 23:36

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Ethylbenzene	0.0250	0.0255	0.0264	102	106	77.0-120			3.69	20
Hexachloro-1,3-butadiene	0.0250	0.0298	0.0305	119	122	68.0-128			2.54	20
n-Hexane	0.0250	0.0260	0.0266	104	106	57.0-125			2.17	20
2-Hexanone	0.125	0.138	0.138	110	111	61.0-143			0.519	20
Isopropylbenzene	0.0250	0.0247	0.0255	98.9	102	75.0-120			3.09	20
Iodomethane	0.125	0.141	0.143	113	114	67.0-132			0.970	20
p-Isopropyltoluene	0.0250	0.0273	0.0281	109	112	74.0-125			2.79	20
2-Butanone (MEK)	0.125	0.148	0.149	118	120	37.0-159			1.16	20
Methylene Chloride	0.0250	0.0255	0.0259	102	104	67.0-123			1.61	20
4-Methyl-2-pentanone (MIBK)	0.125	0.116	0.119	93.0	94.9	60.0-144			1.93	20
Methyl tert-butyl ether	0.0250	0.0269	0.0274	108	110	66.0-125			1.86	20
Naphthalene	0.0250	0.0225	0.0232	89.8	92.9	64.0-125			3.31	20
n-Propylbenzene	0.0250	0.0253	0.0260	101	104	78.0-120			2.86	20
Styrene	0.0250	0.0242	0.0251	97.0	101	78.0-124			3.67	20
1,1,1,2-Tetrachloroethane	0.0250	0.0241	0.0251	96.6	100	74.0-124			3.99	20
1,1,2,2-Tetrachloroethane	0.0250	0.0218	0.0223	87.2	89.2	73.0-120			2.34	20
Tetrachloroethene	0.0250	0.0249	0.0256	99.6	102	70.0-127			2.76	20
Toluene	0.0250	0.0231	0.0236	92.3	94.3	77.0-120			2.13	20
1,1,2-Trichlorotrifluoroethane	0.0250	0.0286	0.0292	115	117	64.0-135			1.86	20
1,2,3-Trichlorobenzene	0.0250	0.0242	0.0250	96.8	100	68.0-126			3.24	20
1,2,4-Trichlorobenzene	0.0250	0.0250	0.0257	99.8	103	70.0-127			3.07	20
1,1,1-Trichloroethane	0.0250	0.0284	0.0284	113	114	69.0-125			0.0484	20
1,1,2-Trichloroethane	0.0250	0.0231	0.0233	92.2	93.2	78.0-120			1.05	20
Trichloroethene	0.0250	0.0274	0.0266	109	107	79.0-120			2.69	20
Trichlorofluoromethane	0.0250	0.0285	0.0288	114	115	59.0-136			1.27	20
1,2,3-Trichloropropane	0.0250	0.0212	0.0212	84.7	85.0	73.0-124			0.324	20
1,2,3-Trimethylbenzene	0.0250	0.0244	0.0251	97.6	100	76.0-120			2.89	20
1,2,4-Trimethylbenzene	0.0250	0.0250	0.0261	100	104	75.0-120			4.05	20
1,3,5-Trimethylbenzene	0.0250	0.0257	0.0261	103	105	75.0-120			1.79	20
Vinyl chloride	0.0250	0.0275	0.0282	110	113	63.0-134			2.38	20
Xylenes, Total	0.0750	0.0769	0.0788	103	105	77.0-120			2.44	20
Vinyl acetate	0.125	0.119	0.120	95.5	96.2	58.0-156			0.681	20
(S) Toluene-d8				*94.3*	*96.5*	*80.0-120*				
(S) Dibromofluoromethane				*102*	*102*	*74.0-131*				
(S) 4-Bromofluorobenzene				*95.8*	*98.0*	*64.0-132*				

L956309-23 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L956309-23 12/11/17 06:32 • (MS) R3272172-4 12/11/17 07:36 • (MSD) R3272172-5 12/11/17 07:57

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acetone	0.125	ND	2.89	2.87	92.6	91.8	25	10.0-160			0.828	36
Acrylonitrile	0.125	ND	3.27	3.29	105	105	25	14.0-160			0.458	33
Benzene	0.0250	ND	0.651	0.691	104	111	25	13.0-146			5.99	27
Bromobenzene	0.0250	ND	0.571	0.582	91.4	93.2	25	10.0-149			2.00	33
Bromodichloromethane	0.0250	ND	0.622	0.632	99.4	101	25	15.0-142			1.71	28
Bromoform	0.0250	ND	0.541	0.548	86.5	87.7	25	10.0-147			1.29	31
Bromomethane	0.0250	ND	0.542	0.552	86.6	88.3	25	10.0-160			1.89	32
Bromochloromethane	0.0250	ND	0.660	0.693	106	111	25	24.0-146			4.92	27
n-Butylbenzene	0.0250	ND	0.657	0.667	105	107	25	10.0-154			1.65	37
sec-Butylbenzene	0.0250	ND	0.643	0.664	103	106	25	10.0-151			3.25	36
tert-Butylbenzene	0.0250	ND	0.625	0.644	100	103	25	10.0-152			3.03	35
Carbon disulfide	0.0250	ND	0.550	0.594	88.0	95.1	25	10.0-141			7.69	30
Carbon tetrachloride	0.0250	ND	0.636	0.678	102	109	25	13.0-140			6.49	30
Chlorobenzene	0.0250	ND	0.619	0.637	99.1	102	25	10.0-149			2.81	31
Chlorodibromomethane	0.0250	ND	0.586	0.585	93.7	93.6	25	12.0-147			0.176	29
Chloroethane	0.0250	ND	0.318	0.382	50.9	61.1	25	10.0-159			18.2	33
Chloroform	0.0250	ND	0.654	0.696	105	111	25	18.0-148			6.21	28
Chloromethane	0.0250	ND	0.639	0.675	102	108	25	10.0-146			5.48	29
2-Chlorotoluene	0.0250	ND	0.600	0.619	95.9	99.1	25	10.0-151			3.24	35
4-Chlorotoluene	0.0250	ND	0.593	0.611	94.9	97.8	25	10.0-150			3.02	35
1,2-Dibromo-3-Chloropropane	0.0250	ND	0.502	0.508	80.4	81.2	25	10.0-149			1.07	34
1,2-Dibromoethane	0.0250	ND	0.596	0.588	95.4	94.1	25	14.0-145			1.35	28
Dibromomethane	0.0250	ND	0.618	0.627	98.9	100	25	18.0-144			1.45	27
1,2-Dichlorobenzene	0.0250	ND	0.578	0.586	92.4	93.8	25	10.0-153			1.46	34
1,3-Dichlorobenzene	0.0250	ND	0.590	0.607	94.4	97.1	25	10.0-150			2.85	35
1,4-Dichlorobenzene	0.0250	ND	0.583	0.586	93.3	93.8	25	10.0-148			0.544	34
Dichlorodifluoromethane	0.0250	ND	0.644	0.683	103	109	25	10.0-160			5.98	30
1,1-Dichloroethane	0.0250	ND	0.651	0.699	104	112	25	19.0-148			7.21	28
1,2-Dichloroethane	0.0250	ND	0.644	0.669	103	107	25	17.0-147			3.88	27
trans-1,4-Dichloro-2-butene	0.0250	ND	0.483	0.470	77.3	75.2	25	10.0-160			2.76	40
1,1-Dichloroethene	0.0250	ND	0.603	0.654	96.4	105	25	10.0-150			8.12	31
cis-1,2-Dichloroethene	0.0250	ND	0.656	0.690	105	110	25	16.0-145			4.92	28
trans-1,2-Dichloroethene	0.0250	ND	0.629	0.678	101	109	25	11.0-142			7.55	29
1,2-Dichloropropane	0.0250	ND	0.628	0.651	100	104	25	17.0-148			3.62	28
1,1-Dichloropropene	0.0250	ND	0.620	0.674	99.2	108	25	10.0-150			8.29	30
1,3-Dichloropropane	0.0250	ND	0.594	0.594	95.0	95.1	25	16.0-148			0.106	27
cis-1,3-Dichloropropene	0.0250	ND	0.598	0.607	95.7	97.1	25	13.0-150			1.37	28
trans-1,3-Dichloropropene	0.0250	ND	0.594	0.616	95.0	98.5	25	10.0-152			3.59	29
2,2-Dichloropropane	0.0250	ND	0.674	0.698	108	112	25	16.0-143			3.54	30
Di-isopropyl ether	0.0250	ND	0.694	0.713	111	114	25	16.0-149			2.74	28

L956309-23 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L956309-23 12/11/17 06:32 • (MS) R3272172-4 12/11/17 07:36 • (MSD) R3272172-5 12/11/17 07:57

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Ethylbenzene	0.0250	ND	0.630	0.646	101	103	25	10.0-147			2.62	31
Hexachloro-1,3-butadiene	0.0250	ND	0.711	0.722	114	115	25	10.0-154			1.47	40
n-Hexane	0.0250	ND	0.564	0.600	90.2	96.0	25	10.0-140			6.29	34
Isopropylbenzene	0.0250	ND	0.598	0.634	95.7	101	25	10.0-147			5.88	33
2-Hexanone	0.125	ND	2.87	2.89	91.7	92.5	25	12.0-158			0.857	30
p-Isopropyltoluene	0.0250	ND	0.665	0.671	106	107	25	10.0-156			0.841	37
2-Butanone (MEK)	0.125	ND	3.05	3.12	97.4	99.9	25	10.0-160			2.53	33
Iodomethane	0.125	ND	3.24	3.45	104	110	25	10.0-157			6.26	34
Methylene Chloride	0.0250	ND	0.636	0.665	97.1	102	25	16.0-139			4.49	29
4-Methyl-2-pentanone (MIBK)	0.125	ND	2.77	2.80	88.6	89.6	25	12.0-160			1.14	32
Methyl tert-butyl ether	0.0250	ND	0.680	0.691	109	111	25	21.0-145			1.51	29
Naphthalene	0.0250	ND	0.493	0.526	78.8	84.2	25	10.0-153			6.60	36
n-Propylbenzene	0.0250	ND	0.614	0.640	98.2	102	25	10.0-151			4.27	34
Styrene	0.0250	ND	0.612	0.631	97.9	101	25	10.0-155			3.07	34
1,1,1,2-Tetrachloroethane	0.0250	ND	0.607	0.629	97.1	101	25	10.0-147			3.57	30
1,1,2,2-Tetrachloroethane	0.0250	ND	0.511	0.513	81.8	82.0	25	10.0-155			0.238	31
Tetrachloroethene	0.0250	0.0540	0.624	0.635	91.2	92.9	25	10.0-144			1.74	32
Toluene	0.0250	ND	0.569	0.588	91.1	94.1	25	10.0-144			3.24	28
1,1,2-Trichlorotrifluoroethane	0.0250	ND	0.672	0.700	108	112	25	10.0-153			4.01	33
1,2,3-Trichlorobenzene	0.0250	ND	0.556	0.571	88.9	91.4	25	10.0-153			2.73	40
1,2,4-Trichlorobenzene	0.0250	ND	0.568	0.579	90.8	92.7	25	10.0-156			1.97	40
1,1,1-Trichloroethane	0.0250	ND	0.668	0.713	107	114	25	18.0-145			6.55	29
1,1,2-Trichloroethane	0.0250	ND	0.586	0.597	93.8	95.5	25	12.0-151			1.79	28
Trichloroethene	0.0250	ND	0.647	0.674	104	108	25	11.0-148			4.03	29
Trichlorofluoromethane	0.0250	ND	0.529	0.552	84.6	88.3	25	10.0-157			4.28	34
1,2,3-Trichloropropane	0.0250	ND	0.524	0.536	83.9	85.8	25	10.0-154			2.25	32
1,2,3-Trimethylbenzene	0.0250	ND	0.614	0.622	98.2	99.5	25	10.0-150			1.28	33
1,2,4-Trimethylbenzene	0.0250	ND	0.625	0.635	99.9	102	25	10.0-151			1.69	34
1,3,5-Trimethylbenzene	0.0250	ND	0.623	0.643	99.7	103	25	10.0-150			3.08	33
Vinyl chloride	0.0250	ND	0.607	0.650	97.1	104	25	10.0-150			6.87	29
Xylenes, Total	0.0750	ND	1.89	1.93	101	103	25	10.0-150			1.88	31
Vinyl acetate	0.125	ND	0.905	1.19	29.0	38.0	25	10.0-160			27.0	40
(S) Toluene-d8					*97.9*	*97.4*		*80.0-120*				
(S) Dibromofluoromethane					*101*	*102*		*74.0-131*				
(S) 4-Bromofluorobenzene					*97.1*	*98.8*		*64.0-132*				

Method Blank (MB)

(MB) R3272653-2 12/13/17 11:02

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Acetone	U		1.05	25.0
Acrylonitrile	U		0.873	5.00
Benzene	U		0.0896	0.500
Bromobenzene	U		0.133	0.500
Bromochloromethane	U		0.145	0.500
Bromodichloromethane	U		0.0800	0.500
Bromoform	U		0.186	0.500
Bromomethane	U		0.157	2.50
n-Butylbenzene	U		0.143	0.500
Carbon disulfide	U		0.101	0.500
sec-Butylbenzene	U		0.134	0.500
tert-Butylbenzene	U		0.183	0.500
Carbon tetrachloride	U		0.159	0.500
Chlorobenzene	U		0.140	0.500
Chlorodibromomethane	U		0.128	0.500
Chloroethane	U		0.141	2.50
Chloroform	U		0.0860	0.500
Chloromethane	U		0.153	1.25
2-Chlorotoluene	U		0.111	0.500
4-Chlorotoluene	U		0.0972	0.500
1,2-Dibromo-3-Chloropropane	U		0.325	2.50
1,2-Dibromoethane	U		0.193	0.500
Dibromomethane	U		0.117	0.500
1,2-Dichlorobenzene	U		0.101	0.500
1,3-Dichlorobenzene	U		0.130	0.500
1,4-Dichlorobenzene	U		0.121	0.500
Dichlorodifluoromethane	U		0.127	2.50
1,1-Dichloroethane	U		0.114	0.500
1,2-Dichloroethane	U		0.108	0.500
1,1-Dichloroethene	U		0.188	0.500
cis-1,2-Dichloroethene	U		0.0933	0.500
trans-1,2-Dichloroethene	U		0.152	0.500
1,2-Dichloropropane	U		0.190	0.500
trans-1,4-Dichloro-2-butene	U		0.257	5.00
1,1-Dichloropropene	U		0.128	0.500
1,3-Dichloropropane	U		0.147	1.00
cis-1,3-Dichloropropene	U		0.0976	0.500
trans-1,3-Dichloropropene	U		0.222	0.500
2,2-Dichloropropane	U		0.0929	0.500
2-Hexanone	U		0.757	5.00

Method Blank (MB)

(MB) R3272653-2 12/13/17 11:02

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
n-Hexane	U		0.305	5.00
Di-isopropyl ether	U		0.0924	0.500
Iodomethane	U		0.377	10.0
Ethylbenzene	U		0.158	0.500
Hexachloro-1,3-butadiene	U		0.157	1.00
Isopropylbenzene	U		0.126	0.500
p-Isopropyltoluene	U		0.138	0.500
2-Butanone (MEK)	U		1.28	5.00
Methylene Chloride	U		1.07	2.50
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00
Methyl tert-butyl ether	U		0.102	0.500
Naphthalene	U		0.174	2.50
n-Propylbenzene	U		0.162	0.500
Styrene	U		0.117	0.500
1,1,1,2-Tetrachloroethane	U		0.120	0.500
1,1,2,2-Tetrachloroethane	U		0.130	0.500
Tetrachloroethene	U		0.199	0.500
Vinyl acetate	U		0.645	5.00
Toluene	U		0.412	0.500
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500
1,2,3-Trichlorobenzene	U		0.164	0.500
1,2,4-Trichlorobenzene	U		0.355	0.500
1,1,1-Trichloroethane	U		0.0940	0.500
1,1,2-Trichloroethane	U		0.186	0.500
Trichloroethene	U		0.153	0.500
Trichlorofluoromethane	U		0.130	2.50
1,2,3-Trichloropropane	U		0.247	2.50
1,2,3-Trimethylbenzene	U		0.0739	0.500
1,2,4-Trimethylbenzene	U		0.123	0.500
1,3,5-Trimethylbenzene	U		0.124	0.500
Vinyl chloride	U		0.118	0.500
Xylenes, Total	U		0.316	1.50
(S) Toluene-d8	*103*			*80.0-120*
(S) Dibromofluoromethane	*100*			*76.0-123*
(S) 4-Bromofluorobenzene	*100*			*80.0-120*

Laboratory Control Sample (LCS)

(LCS) R3272653-1 12/13/17 10:04

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Bromochloromethane	25.0	25.2	101	76.0-122	
Carbon disulfide	25.0	24.0	96.2	55.0-127	
Acetone	125	199	159	10.0-160	
Acrylonitrile	125	116	93.0	60.0-142	
Benzene	25.0	23.9	95.7	69.0-123	
trans-1,4-Dichloro-2-butene	25.0	12.2	48.7	55.0-134	J4
Bromobenzene	25.0	24.6	98.4	79.0-120	
Bromodichloromethane	25.0	24.7	98.9	76.0-120	
Bromoform	25.0	25.3	101	67.0-132	
2-Hexanone	125	146	117	58.0-147	
Bromomethane	25.0	25.5	102	18.0-160	
n-Hexane	25.0	26.2	105	56.0-124	
Iodomethane	125	120	96.2	57.0-140	
n-Butylbenzene	25.0	26.0	104	72.0-126	
sec-Butylbenzene	25.0	25.1	100	74.0-121	
tert-Butylbenzene	25.0	24.9	99.5	75.0-122	
Carbon tetrachloride	25.0	23.6	94.2	63.0-122	
Chlorobenzene	25.0	25.5	102	79.0-121	
Chlorodibromomethane	25.0	25.4	102	75.0-125	
Chloroethane	25.0	23.1	92.5	47.0-152	
Chloroform	25.0	23.8	95.3	72.0-121	
Chloromethane	25.0	25.3	101	48.0-139	
2-Chlorotoluene	25.0	24.2	96.8	74.0-122	
4-Chlorotoluene	25.0	24.7	98.6	79.0-120	
1,2-Dibromo-3-Chloropropane	25.0	23.5	93.9	64.0-127	
1,2-Dibromoethane	25.0	25.7	103	77.0-123	
Dibromomethane	25.0	25.3	101	78.0-120	
1,2-Dichlorobenzene	25.0	25.9	104	80.0-120	
1,3-Dichlorobenzene	25.0	25.2	101	72.0-123	
1,4-Dichlorobenzene	25.0	24.5	97.8	77.0-120	
Dichlorodifluoromethane	25.0	32.1	128	49.0-155	
1,1-Dichloroethane	25.0	24.2	96.9	70.0-126	
1,2-Dichloroethane	25.0	23.8	95.2	67.0-126	
1,1-Dichloroethene	25.0	26.1	105	64.0-129	
cis-1,2-Dichloroethene	25.0	23.3	93.3	73.0-120	
Vinyl acetate	125	195	156	46.0-160	
trans-1,2-Dichloroethene	25.0	24.0	95.9	71.0-121	
1,2-Dichloropropane	25.0	25.0	99.9	75.0-125	
1,1-Dichloropropene	25.0	24.0	96.0	71.0-129	
1,3-Dichloropropane	25.0	25.4	101	80.0-121	

Laboratory Control Sample (LCS)

(LCS) R3272653-1 12/13/17 10:04

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
cis-1,3-Dichloropropene	25.0	24.7	98.9	79.0-123	
trans-1,3-Dichloropropene	25.0	25.1	100	74.0-127	
2,2-Dichloropropane	25.0	20.9	83.7	60.0-125	
Di-isopropyl ether	25.0	23.2	92.8	59.0-133	
Ethylbenzene	25.0	25.3	101	77.0-120	
Hexachloro-1,3-butadiene	25.0	29.8	119	64.0-131	
Isopropylbenzene	25.0	25.5	102	75.0-120	
p-Isopropyltoluene	25.0	26.0	104	74.0-126	
2-Butanone (MEK)	125	150	120	37.0-158	
Methylene Chloride	25.0	23.2	92.7	66.0-121	
4-Methyl-2-pentanone (MIBK)	125	127	102	59.0-143	
Methyl tert-butyl ether	25.0	25.1	100	64.0-123	
Naphthalene	25.0	25.9	103	62.0-128	
n-Propylbenzene	25.0	25.4	102	79.0-120	
Styrene	25.0	26.8	107	78.0-124	
1,1,1,2-Tetrachloroethane	25.0	26.1	105	75.0-122	
1,1,2,2-Tetrachloroethane	25.0	25.9	104	71.0-122	
Tetrachloroethene	25.0	25.8	103	70.0-127	
Toluene	25.0	24.8	99.3	77.0-120	
1,1,2-Trichlorotrifluoroethane	25.0	24.6	98.4	61.0-136	
1,2,3-Trichlorobenzene	25.0	28.9	116	61.0-133	
1,2,4-Trichlorobenzene	25.0	28.6	114	69.0-129	
1,1,1-Trichloroethane	25.0	24.3	97.3	68.0-122	
1,1,2-Trichloroethane	25.0	26.8	107	78.0-120	
Trichloroethene	25.0	24.5	98.1	78.0-120	
Trichlorofluoromethane	25.0	27.3	109	56.0-137	
1,2,3-Trichloropropane	25.0	24.2	96.7	72.0-124	
1,2,3-Trimethylbenzene	25.0	24.3	97.0	75.0-120	
1,2,4-Trimethylbenzene	25.0	25.4	102	75.0-120	
1,3,5-Trimethylbenzene	25.0	24.9	99.5	75.0-120	
Vinyl chloride	25.0	24.0	95.9	64.0-133	
Xylenes, Total	75.0	76.7	102	77.0-120	
(S) Toluene-d8			*101*	*80.0-120*	
(S) Dibromofluoromethane			*97.5*	*76.0-123*	
(S) 4-Bromofluorobenzene			*99.9*	*80.0-120*	

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

Guide to Reading and Understanding Your Laboratory Report

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

Abbreviations and Definitions

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

Qualifier	Description
E	The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL).
J	The identification of the analyte is acceptable; the reported value is an estimate.
J0	J0: Calibration verification outside of acceptance limits. Result is estimated.
J1	Surrogate recovery limits have been exceeded; values are outside upper control limits.
J4	The associated batch QC was outside the established quality control range for accuracy.
V3	The internal standard exhibited poor recovery due to sample matrix interference. The analytical results will be biased high. BDL results will be unaffected.

ACCREDITATIONS & LOCATIONS

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

State Accreditations

Alabama	40660
Alaska	UST-080
Arizona	AZ0612
Arkansas	88-0469
California	01157CA
Colorado	TN00003
Conneticut	PH-0197
Florida	E87487
Georgia	NELAP
Georgia [1]	923
Idaho	TN00003
Illinois	200008
Indiana	C-TN-01
Iowa	364
Kansas	E-10277
Kentucky [1]	90010
Kentucky [2]	16
Louisiana	AI30792
Maine	TN0002
Maryland	324
Massachusetts	M-TN003
Michigan	9958
Minnesota	047-999-395
Mississippi	TN00003
Missouri	340
Montana	CERT0086
Nebraska	NE-OS-15-05

Nevada	TN-03-2002-34
New Hampshire	2975
New Jersey–NELAP	TN002
New Mexico	TN00003
New York	11742
North Carolina	Env375
North Carolina [1]	DW21704
North Carolina [2]	41
North Dakota	R-140
Ohio–VAP	CL0069
Oklahoma	9915
Oregon	TN200002
Pennsylvania	68-02979
Rhode Island	221
South Carolina	84004
South Dakota	n/a
Tennessee [1,4]	2006
Texas	T 104704245-07-TX
Texas [5]	LAB0152
Utah	6157585858
Vermont	VT2006
Virginia	109
Washington	C1915
West Virginia	233
Wisconsin	9980939910
Wyoming	A2LA

Third Party & Federal Accreditations

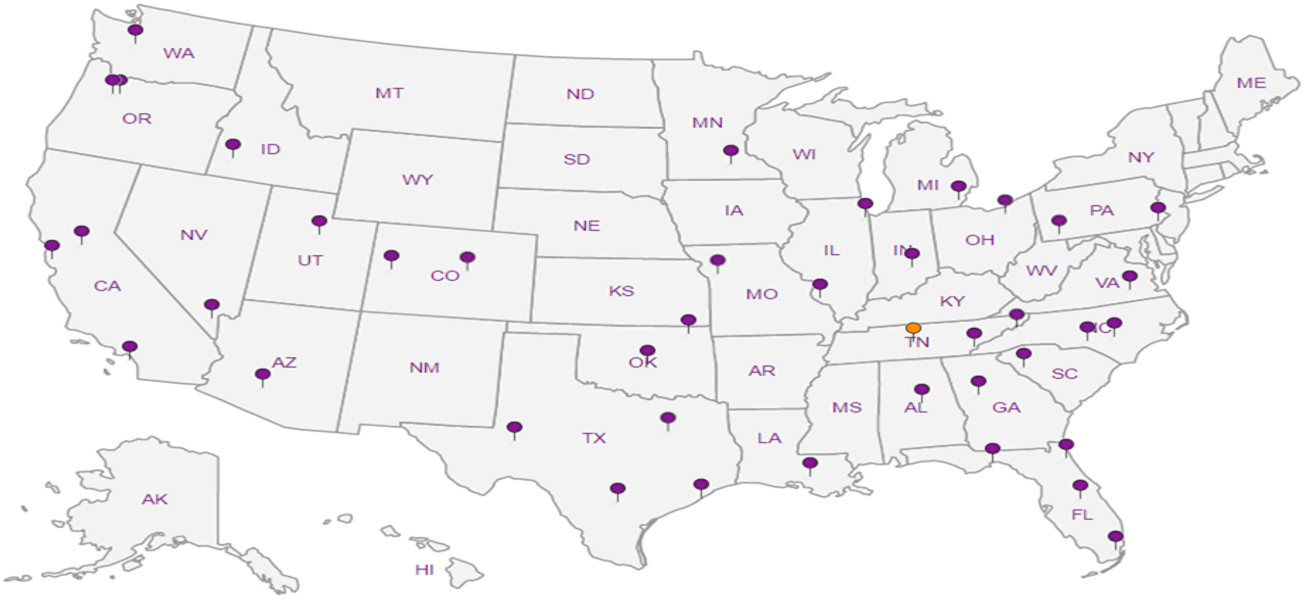
A2LA – ISO 17025	1461.01
A2LA – ISO 17025 [5]	1461.02
Canada	1461.01
EPA–Crypto	TN00003

AIHA-LAP,LLC	100789
DOD	1461.01
USDA	S-67674

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

Our Locations

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



PES Environmental, Inc.- WA

1215 Fourth Ave., Suite 1350
Seattle, WA 98161

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

Pres Chk

Chain of Custody Page 1 of 2

ESC
L·A·B S·C·I·E·N·C·E·S
a subsidiary of

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

Report to:
Bill Haldeman

Email To: **bhaldeman@pesenv.com**

Project Description: **American Linen Project**

City/State Collected:

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

Client Project #
1413.001.02.602

Lab Project #
PESENVSWA-ALP

L# 956226

D041

Collected by (print): Karsten Springsted

Site/Facility ID #
1413.001.02.602

P.O. #
1413.001.02.602

Collected by (signature):

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

Quote #

Date Results Needed

Immediately Packed on Ice N ___ Y X

Acctnum: **PESENVSWA**
Template: **T130006**
Prelogin: **P626805**
TSR: **110 - Brian Ford**
PB: 11-14-17 CS
Shipped Via: **FedEX Ground**

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260C VOCs 40ml/NaHSO4/Syr/MeOH	dry wt/voc screen 2ozClr-NoPres	Remarks	Sample # (lab only)
B-237-5	Grab	SS	5	12-6-17	900	5	X	X		-01
B-237-11	↓	SS	11	↓	910	↓	Hold			-02
B-237-15		SS	15		915		Hold			-03
B-237-20		SS	20		925		Hold		ml	-04
B-237-25		SS	25		930		Hold			-05
B-237-30		SS	30		940		Hold			-06
B-237-35		SS	35		950		X	X		-07 -02
B-237-40		SS	40		955		X	X	*	-03
B-237-42		SS	42		1000		X	X	*	-04
B-925-41	↓	SS	41	↓	800	↓	X	X	*	-05

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

Remarks:
*40-45 foot samples may have high concentrations

pH ______ Temp ______
Flow ______ Other ______

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

Samples returned via:
__ UPS __ FedEx __ Courier __ ____

Tracking # 4142 5219 0961

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	
	12-6-17	1515		Trip Blank Received: [✓ Yes] / No 2 [✓ HCl] / MeOH TBR
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 0.7 °C Bottles Received: 95
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature) 8cd	Date: 12/8/17 Time: 08:45

If preservation required by Login: Date/Time

12-020

Condition: NCF / [✓ OK]

~~Columbia Analytical Services~~ ESC LAB SCIENCES
12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858
~~1317 South 13th Ave. • Kelso, WA 98626 • (360) 577-7222 • (800) 695-7222x07 • FAX (360) 636-1068~~

CHAIN OF CUSTODY

SR#: L956226
PAGE 2 OF 2
COC #:

PROJECT NAME American Chem
PROJECT NUMBER 1412.001.02.602
PROJECT MANAGER Bill Haldeman
COMPANY/ADDRESS 1215 4th AVE STE 1350
PES ENVIRONMENTAL INC.
CITY/STATE/ZIP SEATTLE, WA 98161
E-MAIL ADDRESS BHaldeman@pesenv.com
PHONE # 206-529-3980 FAX # 206-529-3985
SAMPLER'S SIGNATURE

SAMPLE I.D.	DATE	TIME	~~LAB I.D.~~ DEPTH	MATRIX	NUMBER OF CONTAINERS		Semivolatile Organics by GC/MS 625☐ 8270☐ 8270LL☐	Volatile Organics 624☐ 8260☒	Hydrocarbons (*see below) Gas☐ 8021☐ BTEX☐ Diesel☐ Oil☐	☐ Fuel Fingerprint (FIO) ☐ NW-HCID Screen	Oil & Grease/TRPH 1664 HEM☐ 1664 SGT☐	PCB's Aroclors☐ Congeners☐	Pesticides/Herbicides 608☐ 8081A☐ 8141A☐ 8151A☐	Chlorophenolics - 8151M Tri☐ Tetra☐ PCP☐	PAHS 8310☐ SIM☐	Metals, Total or Dissolved (See list below)	Cyanide☐ Hex-Chrom☐	pH, Cond., Cl, SO4, PO4, F, NO2, NO3, BOD, TSS, TDS (circle)	NH_3-N, COD, Total-P, TKN, TOC, DOC (circle) NO_2+NO_3	TOX 9020☐	AOX 1650☐ 508☐ dry wt/voc screen 2oz-no pres				REMARKS
B-237-45	12-6-17	1010	45	SS	5			X													X				-06-08
B-238-6		1305	6	SS				X													X				-07-09
B-238-11		1315	11	SS				X													X				-08-10
B-238-16		1330	16	SS				X													X				-09-11
B-238-21		1335	21					X													X				* 10-12
B-238-26		1340	26					X													X				-11-13
B-238-31		1350	31					X													X				-12-14
B-238-36		1400	36					X													X				-13-15
B-238-40		1410	40					HOLD													HOLD				HOLD
TRIP BLANK-120617		—	—	—	2																				

REPORT REQUIREMENTS

___ I. Routine Report: Method Blank, Surrogate, as required
___ II. Report Dup., MS, MSD as required
___ III. Data Validation Report (includes all raw data)
___ IV. CLP Deliverable Report
___ V. EDD

INVOICE INFORMATION

P.O. # ____
Bill To: ____

TURNAROUND REQUIREMENTS

___ 24 hr. ___ 48 hr.
___ 5 Day
___ Standard (10-15 working days)
___ Provide FAX Results
____ Requested Report Date

Circle which metals are to be analyzed:

Total Metals: Al As Sb Ba Be B Ca Cd Co Cr Cu Fe Pb Mg Mn Mo Ni K Ag Na Se Sr Tl Sn V Zn Hg
Dissolved Metals: Al As Sb Ba Be B Ca Cd Co Cr Cu Fe Pb Mg Mn Mo Ni K Ag Na Se Sr Tl Sn V Zn Hg

*INDICATE STATE HYDROCARBON PROCEDURE: AK CA WI NORTHWEST OTHER: ____ (CIRCLE ONE)

SPECIAL INSTRUCTIONS/COMMENTS:
* May have high concentrations in 21 foot sample

Total = 9S + 2TB

0.7

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
Signature Date/Time 12-6-17/1515	Signature 861 Date/Time 12/8/17 0845	Signature Date/Time	Signature Date/Time
Printed Name [illegible] Firm PES	Printed Name Kevin Turner Firm ESC	Printed Name Firm	Printed Name Firm

RCOC #1 07/09

ESC LAB SCIENCES
Cooler Receipt Form

Client: PESENVSWA

SDG# 956226

Cooler Received/Opened On: 12/ 8 /17

Temperature: 0.7

Received by : Kevin Turner

Signature:

Receipt Check List	NP	Yes	No
COC Seal Present / Intact?		✓	
COC Signed / Accurate?		✓	
Bottles arrive intact?		✓	
Correct bottles used?		✓	
Sufficient volume sent?		✓	
If Applicable			
VOA Zero headspace?			
Preservation Correct / Checked?			

From: Bill Haldeman <bhaldeman@pesenv.com>
Sent: Friday, December 8, 2017 6:13 PM
To: Brian Ford
Cc: Daniel Balbiani
Subject: RE: ESC Lab Sciences ALP L956226

Brian, can you add the trip blank to the COC and analyze it for VOCs? Thanks! -Bill

---

From: Brian Ford [mailto:BFord@esclabsciences.com]
Sent: Friday, December 8, 2017 3:46 PM
To: Bill Haldeman <bhaldeman@pesenv.com>
Subject: ESC Lab Sciences ALP L956226

Bill,

See attached COC for reference. The trip blank was not logged for analysis as it is not marked on the COC. Let me know if we need to proceed otherwise.

Thanks,

Brian Ford
Technical Service Representative
ESC Lab Sciences-a subsidiary of Pace Analytical
12065 Lebanon Road | Mt. Juliet, TN 37122
615.773.9772
bford@esclabsciences.com | www.esclabsciences.com

MEMORANDUM

TO: Project File **DATE:** December 21, 2017

FROM: Jessie Compeau

SUBJECT: Laboratory Data Validation Review

PROJECT: Former American Linen Supply Site, Seattle WA

PROJECT #: 1413.001.02.604

TASK: December 6, 2017 – Soil Samples

LAB: ESC Lab ID L956226

Nineteen (19) soil samples and a trip blank were collected as part of a sampling event at the Former American Linen Supply Site, in Seattle, Washington, on December 6, 2017. The samples were shipped and delivered to ESC Lab Sciences (ESC) of Mount Juliet, TN for laboratory analysis. Six soil samples were placed on hold. Selected samples were analyzed for the following:

- Volatile organic compounds (VOCs) by United States Environmental Protection Agency (USEPA) Method 8260C; and
- Total Solids by Standard Methods 2540 G-2011.

The results are reported in ESC Sample Delivery Group (SDG) L956226. The quarterly monitoring round occurred between November and December of 2017. Associated sample data are reported in 5 ESC SDGs (SDGs L953811, L954448, L954694, L955420, and L956226). The quality assurance review of the sample data associated with SDG L956226 is summarized below.

DATA QUALIFICATIONS

Guidelines established by USEPA for this limited data validation review of analytical data along with ESC control limit criteria were used to validate the data. The comments presented in this memorandum refer to the laboratory's performance in meeting the quality control criteria outlined in the USEPA Contract Laboratory Program National Functional Guidelines for Organic Superfund Methods Data Review (USEPA, 2017).

DATA VALIDATION

Completeness

All samples were collected and analyzed as requested.

Sample Collection and Preservation

Samples were collected on December 6, 2017 in laboratory-supplied sample containers preserved as appropriate for the individual analyses conducted. The samples were packed on ice and shipped on December 6, 2017 overnight by courier to ESC. The laboratory reported that the cooler and samples were received at 0.7 degrees Centigrade (°C) and below the recommended temperature preservation of 6°C. The laboratory indicated that the samples were received in good condition. No data were qualified based upon the sample collection and preservation information with the following discussion:

- Trip Blank collection date and time are not listed on the chain of custody. No action is taken other than to note this. The laboratory listed a default collection time of December 6, 2017.

Holding Times

USEPA Method 8260C:
All samples were analyzed for VOCs within the USEPA recommended holding time of fourteen days for soils and preserved water (trip blank) from the date of sample collection. All holding time criteria were met.

General Chemistry (Total Solids):
Samples were analyzed within the USEPA recommended holding time of seven days for total solids. All holding time criteria were met.

Initial and Continuing Calibration

Calibration data for this project are not required for this deliverable however ESC's notes indicate the following:

- *USEPA Method 8260C:* Continuing calibration verification (CCV) issues were noted by ESC for trans-1,4-dichloro-2-butene, naphthalene, and 1,2,3-trichloropropane associated with analytical batch WG1051921 (analyzed on December 11-13, 2017). These results are qualified by the laboratory "J0" to indicate that percent difference CCV is outside of laboratory acceptance criteria. **All associated sample results with laboratory qualified J0 results are estimated and qualified (UJ or J).**

Method Blank Results

USEPA Method 8260C:
Laboratory method blank was included with the analytical batch per method requirement. The target analytes (VOCs) were not detected in the method blanks at or above the reported detection limits (RDLs).

Total Solids by SM 2540 G 2011:

Laboratory method blank was included with the analytical batches per method requirement. The target analytes (% solids) were not detected at a significant level in the method blanks and sample results are not impacted.

Trip Blank Results

USEPA Method 8260C:
A trip blank was collected and analyzed. The target analytes (VOCs) were not detected in the trip blank at or above the reported detection limits (RDLs) with the following exception:

- Acetone was detected in the trip blank at a low level and also detected at a low level in soil samples B-237-5, B-237-45, and B-238-11. **Samples B-237-5, B-237-45, and B-238-11 acetone results are qualified as not detected (U) due to blank contamination.**

Field, Rinsate, or Equipment Blank Results

Field, rinsate, or equipment blanks were not collected.

Field Duplicate Analyses

Field duplicate (samples B-237-42/B-925-41) results are comparable and less than 30% RPD with the following exceptions:

- Field duplicate sample pair RPDs are greater than 30% for 1,1-dichloroethene, cis-1,2-dichloroethene, trans-1,2-dichloroethene, tetrachloroethene, trichloroethene, and vinyl chloride. **Sample field duplicate (B-237-42/B-925-41) results for 1,1-dichloroethene, cis-1,2-dichloroethene trans-1,2-dichloroethene, tetrachloroethene, trichloroethene, and vinyl chloride are estimated and qualified (J) due to poor field precision.**

Laboratory Duplicate Analyses

USEPA Method 8260C:
A laboratory duplicate sample was not analyzed. Refer to laboratory control sample/sample duplicate (LCS/LCSD) or matrix spike/matrix spike duplicates (MS/MSDs) results for precision data.

Total Solids by SM 2540 G 2011:
Laboratory duplicate sample analyses were performed on sample B-238-16 and on a non-client sample within the analytical batches. The primary/duplicate RPDs for total solids analyses are within the laboratory control limit of 5%.

Surrogate Recoveries

USEPA Method 8260C:
The surrogate recovery results for the samples, LCS/LCSDs, MS/MSDs, and the method blanks are within the laboratory surrogate control limits for all of the analyses with the following exception:

- Sample B-238-11 surrogate 4-bromofluorobenzene (associated with initial analysis on December 11, 2017 at 4:05) was recovered above the laboratory control limit criteria. **Sample** B-238-11 **positive detections associated with the December 11, 2017 (at 4:05) analysis date are estimated (J+) since the percent recovery is above criteria.**

Laboratory Control Samples

USEPA Method 8260C:
LCS/LCSD was analyzed by USEPA Method 8260C method. The LCS/LCSD %Rs and RPDs for the all target compounds are within the laboratory control criteria for soils and waters with the following exceptions:

- LCS/LCSD (Batch WG1050481) RPD results for 2,2-dichloropropane are above control limit criteria and qualified by the laboratory (J4). No action was taken on this basis since this compound was not detected in the associated samples.

- LCS (Batch WG1053020) trans-1,4-dichloro-2-butene was recovered low and below laboratory control limit criteria. No action was taken on this basis since this LCS is associated with the trip blank and soil LCS/LCSD results for trans-1,4-dichloro-2-butene are within control limit criteria. Refer to the discussion under initial and continuing calibration for additional information.

Total Solids by SM 2540 G 2011:
The LCS %Rs for total solids are within the laboratory control criteria for soils.

Matrix Spike/Matrix Spike Duplicates

USEPA Method 8260C:
Matrix spike/matrix spike duplicate (MS/MSD) analyses were performed on client sample B-236-45. The MS/MSD %Rs and RPDs for all target compounds are within the laboratory control criteria for soils.

Other Quality Control Issues

No laboratory quality control issues were identified in the laboratory report.

Compound Identification and Quantitation Limits

The RDLs used for this sample group were acceptable for the project. Several samples were diluted due to elevated concentrations of various target analytes. ESC notes indicate that for soil samples B-925-41, B-238-16, and B-238-21 the target compounds were too high to run the sample at a lower dilution.

Selected compounds in sample B-238-11 are qualified (V3) by ESC to indicate that “the internal standard exhibited poor recovery due to sample matrix interference”. **Positively detected results are biased high and are estimated and qualified (J+).** Refer to the discussion under surrogates for further information on this sample.

Sample B-237-42 vinyl chloride result is 0.290 µg/L and was qualified (E) by the laboratory to indicate that the concentration exceeded the upper calibration limit. ESC confirmed the detection and also confirmed that the 200X dilution on this sample was too high for this compound. ESC was unable to analyze the sample at a lower dilution factor due to elevated VOCs in the sample. **Sample B-237-42 vinyl chloride result is estimated and qualified (J) to indicate that the concentration exceeded the upper calibration limit.**

Detections between the MDL and RDL are estimated (J) by the laboratory and qualified (J) by the data validator to re-emphasize that the detection is estimated.

Data Assessment

The laboratory data reported for this project were reviewed based on laboratory control limit acceptance criteria and criteria outlined in:

- USEPA Contract Laboratory Program National Functional Guidelines for Organic Superfund Methods Data Review (USEPA, 2017).

Data qualifiers were assigned and laboratory report pages with qualifiers are attached. All data, including qualified data, are judged to be acceptable for their intended use.

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

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	85.9		1	12/13/2017 11:18	WG1052965

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.0197 U	J	0.0116	0.0582	1	12/13/2017 16:52	WG1051921
Acrylonitrile	U		0.00208	0.0116	1	12/13/2017 16:52	WG1051921
Benzene	U		0.000314	0.00116	1	12/13/2017 16:52	WG1051921
Bromobenzene	U		0.000331	0.00116	1	12/13/2017 16:52	WG1051921
Bromodichloromethane	U		0.000296	0.00116	1	12/13/2017 16:52	WG1051921
Bromochloromethane	U		0.000454	0.00582	1	12/13/2017 16:52	WG1051921
Bromoform	U		0.000494	0.00116	1	12/13/2017 16:52	WG1051921
Bromomethane	U		0.00156	0.00582	1	12/13/2017 16:52	WG1051921
n-Butylbenzene	U		0.000301	0.00116	1	12/13/2017 16:52	WG1051921
sec-Butylbenzene	U		0.000234	0.00116	1	12/13/2017 16:52	WG1051921
tert-Butylbenzene	U		0.000240	0.00116	1	12/13/2017 16:52	WG1051921
Carbon disulfide	U		0.000257	0.00116	1	12/13/2017 16:52	WG1051921
Carbon tetrachloride	U		0.000382	0.00116	1	12/13/2017 16:52	WG1051921
Chlorobenzene	U		0.000247	0.00116	1	12/13/2017 16:52	WG1051921
Chlorodibromomethane	U		0.000434	0.00116	1	12/13/2017 16:52	WG1051921
Chloroethane	U		0.00110	0.00582	1	12/13/2017 16:52	WG1051921
Chloroform	U		0.000267	0.00582	1	12/13/2017 16:52	WG1051921
Chloromethane	U		0.000437	0.00291	1	12/13/2017 16:52	WG1051921
2-Chlorotoluene	U		0.000351	0.00116	1	12/13/2017 16:52	WG1051921
4-Chlorotoluene	U		0.000280	0.00116	1	12/13/2017 16:52	WG1051921
1,2-Dibromo-3-Chloropropane	U		0.00122	0.00582	1	12/13/2017 16:52	WG1051921
1,2-Dibromoethane	U		0.000400	0.00116	1	12/13/2017 16:52	WG1051921
Dibromomethane	U		0.000445	0.00116	1	12/13/2017 16:52	WG1051921
1,2-Dichlorobenzene	U		0.000355	0.00116	1	12/13/2017 16:52	WG1051921
1,3-Dichlorobenzene	U		0.000278	0.00116	1	12/13/2017 16:52	WG1051921
1,4-Dichlorobenzene	U		0.000263	0.00116	1	12/13/2017 16:52	WG1051921
Dichlorodifluoromethane	U		0.000830	0.00582	1	12/13/2017 16:52	WG1051921
1,1-Dichloroethane	U		0.000232	0.00116	1	12/13/2017 16:52	WG1051921
1,2-Dichloroethane	U		0.000309	0.00116	1	12/13/2017 16:52	WG1051921
1,1-Dichloroethene	U		0.000353	0.00116	1	12/13/2017 16:52	WG1051921
cis-1,2-Dichloroethene	U		0.000274	0.00116	1	12/13/2017 16:52	WG1051921
trans-1,2-Dichloroethene	U		0.000307	0.00116	1	12/13/2017 16:52	WG1051921
1,2-Dichloropropane	U		0.000417	0.00116	1	12/13/2017 16:52	WG1051921
1,1-Dichloropropene	U		0.000369	0.00116	1	12/13/2017 16:52	WG1051921
1,3-Dichloropropane	U		0.000241	0.00116	1	12/13/2017 16:52	WG1051921
cis-1,3-Dichloropropene	U		0.000305	0.00116	1	12/13/2017 16:52	WG1051921
trans-1,3-Dichloropropene	U		0.000311	0.00116	1	12/13/2017 16:52	WG1051921
trans-1,4-Dichloro-2-butene	U		0.000906	0.00291	1	12/13/2017 16:52	WG1051921
2,2-Dichloropropane	U	J4	0.000325	0.00116	1	12/13/2017 16:52	WG1051921
Di-isopropyl ether	U		0.000289	0.00116	1	12/13/2017 16:52	WG1051921
Ethylbenzene	U		0.000346	0.00116	1	12/13/2017 16:52	WG1051921
Hexachloro-1,3-butadiene	U		0.000398	0.00116	1	12/13/2017 16:52	WG1051921
2-Hexanone	U		0.00160	0.0116	1	12/13/2017 16:52	WG1051921
n-Hexane	U		0.000338	0.0116	1	12/13/2017 16:52	WG1051921
Iodomethane	U		0.00295	0.0116	1	12/13/2017 16:52	WG1051921
Isopropylbenzene	U		0.000283	0.00116	1	12/13/2017 16:52	WG1051921
p-Isopropyltoluene	U		0.000238	0.00116	1	12/13/2017 16:52	WG1051921
2-Butanone (MEK)	U		0.00545	0.0116	1	12/13/2017 16:52	WG1051921
Methylene Chloride	U		0.00116	0.00582	1	12/13/2017 16:52	WG1051921
4-Methyl-2-pentanone (MIBK)	U		0.00219	0.0116	1	12/13/2017 16:52	WG1051921

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000247	0.00116	1	12/13/2017 16:52	WG1051921
Naphthalene	U		0.00116	0.00582	1	12/13/2017 16:52	WG1051921
n-Propylbenzene	U		0.000240	0.00116	1	12/13/2017 16:52	WG1051921
Styrene	U		0.000273	0.00116	1	12/13/2017 16:52	WG1051921
1,1,1,2-Tetrachloroethane	U		0.000307	0.00116	1	12/13/2017 16:52	WG1051921
1,1,2,2-Tetrachloroethane	U		0.000425	0.00116	1	12/13/2017 16:52	WG1051921
1,1,2-Trichlorotrifluoroethane	U		0.000425	0.00116	1	12/13/2017 16:52	WG1051921
Tetrachloroethene	0.00814		0.000321	0.00116	1	12/13/2017 16:52	WG1051921
Toluene	U		0.000505	0.00582	1	12/13/2017 16:52	WG1051921
1,2,3-Trichlorobenzene	U		0.000356	0.00116	1	12/13/2017 16:52	WG1051921
1,2,4-Trichlorobenzene	U		0.000452	0.00116	1	12/13/2017 16:52	WG1051921
1,1,1-Trichloroethane	U		0.000333	0.00116	1	12/13/2017 16:52	WG1051921
1,1,2-Trichloroethane	U		0.000323	0.00116	1	12/13/2017 16:52	WG1051921
Trichloroethene	U		0.000325	0.00116	1	12/13/2017 16:52	WG1051921
Trichlorofluoromethane	U		0.000445	0.00582	1	12/13/2017 16:52	WG1051921
1,2,3-Trichloropropane	U		0.000863	0.00291	1	12/13/2017 16:52	WG1051921
1,2,4-Trimethylbenzene	U		0.000246	0.00116	1	12/13/2017 16:52	WG1051921
1,2,3-Trimethylbenzene	U		0.000334	0.00116	1	12/13/2017 16:52	WG1051921
1,3,5-Trimethylbenzene	U		0.000310	0.00116	1	12/13/2017 16:52	WG1051921
Vinyl acetate	U		0.00278	0.0116	1	12/13/2017 16:52	WG1051921
Vinyl chloride	U		0.000339	0.00116	1	12/13/2017 16:52	WG1051921
Xylenes, Total	U		0.000813	0.00349	1	12/13/2017 16:52	WG1051921
(S) Toluene-d8	*93.2*			*80.0-120*		*12/13/2017 16:52*	WG1051921
(S) Dibromofluoromethane	*102*			*74.0-131*		*12/13/2017 16:52*	WG1051921
(S) 4-Bromofluorobenzene	*96.7*			*64.0-132*		*12/13/2017 16:52*	WG1051921

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

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	85.6		1	12/13/2017 11:18	WG1052965

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0117	0.0584	1	12/11/2017 01:22	WG1051921
Acrylonitrile	U		0.00209	0.0117	1	12/11/2017 01:22	WG1051921
Benzene	U		0.000315	0.00117	1	12/11/2017 01:22	WG1051921
Bromobenzene	U		0.000332	0.00117	1	12/11/2017 01:22	WG1051921
Bromodichloromethane	U		0.000297	0.00117	1	12/11/2017 01:22	WG1051921
Bromochloromethane	U		0.000456	0.00584	1	12/11/2017 01:22	WG1051921
Bromoform	U		0.000495	0.00117	1	12/11/2017 01:22	WG1051921
Bromomethane	U		0.00157	0.00584	1	12/11/2017 01:22	WG1051921
n-Butylbenzene	U		0.000301	0.00117	1	12/11/2017 01:22	WG1051921
sec-Butylbenzene	U		0.000235	0.00117	1	12/11/2017 01:22	WG1051921
tert-Butylbenzene	U		0.000241	0.00117	1	12/11/2017 01:22	WG1051921
Carbon disulfide	U		0.000258	0.00117	1	12/11/2017 01:22	WG1051921
Carbon tetrachloride	U		0.000383	0.00117	1	12/11/2017 01:22	WG1051921
Chlorobenzene	U		0.000248	0.00117	1	12/11/2017 01:22	WG1051921
Chlorodibromomethane	U		0.000436	0.00117	1	12/11/2017 01:22	WG1051921
Chloroethane	U		0.00110	0.00584	1	12/11/2017 01:22	WG1051921
Chloroform	U		0.000267	0.00584	1	12/11/2017 01:22	WG1051921
Chloromethane	U		0.000438	0.00292	1	12/11/2017 01:22	WG1051921
2-Chlorotoluene	U		0.000352	0.00117	1	12/11/2017 01:22	WG1051921
4-Chlorotoluene	U		0.000280	0.00117	1	12/11/2017 01:22	WG1051921
1,2-Dibromo-3-Chloropropane	U		0.00123	0.00584	1	12/11/2017 01:22	WG1051921
1,2-Dibromoethane	U		0.000401	0.00117	1	12/11/2017 01:22	WG1051921
Dibromomethane	U		0.000446	0.00117	1	12/11/2017 01:22	WG1051921
1,2-Dichlorobenzene	U		0.000356	0.00117	1	12/11/2017 01:22	WG1051921
1,3-Dichlorobenzene	U		0.000279	0.00117	1	12/11/2017 01:22	WG1051921
1,4-Dichlorobenzene	U		0.000264	0.00117	1	12/11/2017 01:22	WG1051921
Dichlorodifluoromethane	U		0.000833	0.00584	1	12/11/2017 01:22	WG1051921
1,1-Dichloroethane	U		0.000232	0.00117	1	12/11/2017 01:22	WG1051921
1,2-Dichloroethane	U		0.000310	0.00117	1	12/11/2017 01:22	WG1051921
1,1-Dichloroethene	U		0.000354	0.00117	1	12/11/2017 01:22	WG1051921
cis-1,2-Dichloroethene	U		0.000274	0.00117	1	12/11/2017 01:22	WG1051921
trans-1,2-Dichloroethene	U		0.000308	0.00117	1	12/11/2017 01:22	WG1051921
1,2-Dichloropropane	U		0.000418	0.00117	1	12/11/2017 01:22	WG1051921
1,1-Dichloropropene	U		0.000370	0.00117	1	12/11/2017 01:22	WG1051921
1,3-Dichloropropane	U		0.000242	0.00117	1	12/11/2017 01:22	WG1051921
cis-1,3-Dichloropropene	U		0.000306	0.00117	1	12/11/2017 01:22	WG1051921
trans-1,3-Dichloropropene	U		0.000312	0.00117	1	12/11/2017 01:22	WG1051921
trans-1,4-Dichloro-2-butene	U UJ	J0	0.000909	0.00292	1	12/11/2017 01:22	WG1051921
2,2-Dichloropropane	U	J4	0.000326	0.00117	1	12/11/2017 01:22	WG1051921
Di-isopropyl ether	U		0.000290	0.00117	1	12/11/2017 01:22	WG1051921
Ethylbenzene	U		0.000347	0.00117	1	12/11/2017 01:22	WG1051921
Hexachloro-1,3-butadiene	U		0.000399	0.00117	1	12/11/2017 01:22	WG1051921
2-Hexanone	U		0.00160	0.0117	1	12/11/2017 01:22	WG1051921
n-Hexane	U		0.000339	0.0117	1	12/11/2017 01:22	WG1051921
Iodomethane	U		0.00296	0.0117	1	12/11/2017 01:22	WG1051921
Isopropylbenzene	U		0.000284	0.00117	1	12/11/2017 01:22	WG1051921
p-Isopropyltoluene	U		0.000238	0.00117	1	12/11/2017 01:22	WG1051921
2-Butanone (MEK)	U		0.00547	0.0117	1	12/11/2017 01:22	WG1051921
Methylene Chloride	U		0.00117	0.00584	1	12/11/2017 01:22	WG1051921
4-Methyl-2-pentanone (MIBK)	U		0.00220	0.0117	1	12/11/2017 01:22	WG1051921

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000248	0.00117	1	12/11/2017 01:22	WG1051921
Naphthalene	U		0.00117	0.00584	1	12/11/2017 01:22	WG1051921
n-Propylbenzene	U		0.000241	0.00117	1	12/11/2017 01:22	WG1051921
Styrene	U		0.000273	0.00117	1	12/11/2017 01:22	WG1051921
1,1,1,2-Tetrachloroethane	U		0.000308	0.00117	1	12/11/2017 01:22	WG1051921
1,1,2,2-Tetrachloroethane	U		0.000426	0.00117	1	12/11/2017 01:22	WG1051921
1,1,2-Trichlorotrifluoroethane	U		0.000426	0.00117	1	12/11/2017 01:22	WG1051921
Tetrachloroethene	0.000770 J	J	0.000322	0.00117	1	12/11/2017 01:22	WG1051921
Toluene	U		0.000507	0.00584	1	12/11/2017 01:22	WG1051921
1,2,3-Trichlorobenzene	U		0.000357	0.00117	1	12/11/2017 01:22	WG1051921
1,2,4-Trichlorobenzene	U		0.000453	0.00117	1	12/11/2017 01:22	WG1051921
1,1,1-Trichloroethane	U		0.000334	0.00117	1	12/11/2017 01:22	WG1051921
1,1,2-Trichloroethane	U		0.000324	0.00117	1	12/11/2017 01:22	WG1051921
Trichloroethene	U		0.000326	0.00117	1	12/11/2017 01:22	WG1051921
Trichlorofluoromethane	U		0.000446	0.00584	1	12/11/2017 01:22	WG1051921
1,2,3-Trichloropropane	U		0.000866	0.00292	1	12/11/2017 01:22	WG1051921
1,2,4-Trimethylbenzene	U		0.000246	0.00117	1	12/11/2017 01:22	WG1051921
1,2,3-Trimethylbenzene	U		0.000335	0.00117	1	12/11/2017 01:22	WG1051921
1,3,5-Trimethylbenzene	U		0.000311	0.00117	1	12/11/2017 01:22	WG1051921
Vinyl acetate	U		0.00279	0.0117	1	12/11/2017 01:22	WG1051921
Vinyl chloride	U		0.000340	0.00117	1	12/11/2017 01:22	WG1051921
Xylenes, Total	U		0.000815	0.00350	1	12/11/2017 01:22	WG1051921
(S) Toluene-d8	*93.0*			*80.0-120*		*12/11/2017 01:22*	WG1051921
(S) Dibromofluoromethane	*106*			*74.0-131*		*12/11/2017 01:22*	WG1051921
(S) 4-Bromofluorobenzene	*101*			*64.0-132*		*12/11/2017 01:22*	WG1051921

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

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	93.1		1	12/13/2017 11:18	WG1052965

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0107	0.0537	1	12/11/2017 01:43	WG1051921
Acrylonitrile	U		0.00192	0.0107	1	12/11/2017 01:43	WG1051921
Benzene	U		0.000290	0.00107	1	12/11/2017 01:43	WG1051921
Bromobenzene	U		0.000305	0.00107	1	12/11/2017 01:43	WG1051921
Bromodichloromethane	U		0.000273	0.00107	1	12/11/2017 01:43	WG1051921
Bromochloromethane	U		0.000419	0.00537	1	12/11/2017 01:43	WG1051921
Bromoform	U		0.000456	0.00107	1	12/11/2017 01:43	WG1051921
Bromomethane	U		0.00144	0.00537	1	12/11/2017 01:43	WG1051921
n-Butylbenzene	U		0.000277	0.00107	1	12/11/2017 01:43	WG1051921
sec-Butylbenzene	U		0.000216	0.00107	1	12/11/2017 01:43	WG1051921
tert-Butylbenzene	U		0.000221	0.00107	1	12/11/2017 01:43	WG1051921
Carbon disulfide	U		0.000237	0.00107	1	12/11/2017 01:43	WG1051921
Carbon tetrachloride	U		0.000352	0.00107	1	12/11/2017 01:43	WG1051921
Chlorobenzene	U		0.000228	0.00107	1	12/11/2017 01:43	WG1051921
Chlorodibromomethane	U		0.000401	0.00107	1	12/11/2017 01:43	WG1051921
Chloroethane	U		0.00102	0.00537	1	12/11/2017 01:43	WG1051921
Chloroform	U		0.000246	0.00537	1	12/11/2017 01:43	WG1051921
Chloromethane	U		0.000403	0.00269	1	12/11/2017 01:43	WG1051921
2-Chlorotoluene	U		0.000323	0.00107	1	12/11/2017 01:43	WG1051921
4-Chlorotoluene	U		0.000258	0.00107	1	12/11/2017 01:43	WG1051921
1,2-Dibromo-3-Chloropropane	U		0.00113	0.00537	1	12/11/2017 01:43	WG1051921
1,2-Dibromoethane	U		0.000369	0.00107	1	12/11/2017 01:43	WG1051921
Dibromomethane	U		0.000410	0.00107	1	12/11/2017 01:43	WG1051921
1,2-Dichlorobenzene	U		0.000328	0.00107	1	12/11/2017 01:43	WG1051921
1,3-Dichlorobenzene	U		0.000257	0.00107	1	12/11/2017 01:43	WG1051921
1,4-Dichlorobenzene	U		0.000243	0.00107	1	12/11/2017 01:43	WG1051921
Dichlorodifluoromethane	U		0.000766	0.00537	1	12/11/2017 01:43	WG1051921
1,1-Dichloroethane	U		0.000214	0.00107	1	12/11/2017 01:43	WG1051921
1,2-Dichloroethane	U		0.000285	0.00107	1	12/11/2017 01:43	WG1051921
1,1-Dichloroethene	0.000480 J	J	0.000326	0.00107	1	12/11/2017 01:43	WG1051921
cis-1,2-Dichloroethene	1.34		0.00681	0.0290	27	12/12/2017 15:12	WG1051921
trans-1,2-Dichloroethene	U		0.000284	0.00107	1	12/11/2017 01:43	WG1051921
1,2-Dichloropropane	U		0.000385	0.00107	1	12/11/2017 01:43	WG1051921
1,1-Dichloropropene	U		0.000341	0.00107	1	12/11/2017 01:43	WG1051921
1,3-Dichloropropane	U		0.000222	0.00107	1	12/11/2017 01:43	WG1051921
cis-1,3-Dichloropropene	U		0.000282	0.00107	1	12/11/2017 01:43	WG1051921
trans-1,3-Dichloropropene	U		0.000287	0.00107	1	12/11/2017 01:43	WG1051921
trans-1,4-Dichloro-2-butene	U UJ	J0	0.000836	0.00269	1	12/11/2017 01:43	WG1051921
2,2-Dichloropropane	U	J4	0.000300	0.00107	1	12/11/2017 01:43	WG1051921
Di-isopropyl ether	U		0.000266	0.00107	1	12/11/2017 01:43	WG1051921
Ethylbenzene	U		0.000319	0.00107	1	12/11/2017 01:43	WG1051921
Hexachloro-1,3-butadiene	U		0.000367	0.00107	1	12/11/2017 01:43	WG1051921
2-Hexanone	U		0.00147	0.0107	1	12/11/2017 01:43	WG1051921
n-Hexane	U		0.000312	0.0107	1	12/11/2017 01:43	WG1051921
Iodomethane	U		0.00272	0.0107	1	12/11/2017 01:43	WG1051921
Isopropylbenzene	U		0.000261	0.00107	1	12/11/2017 01:43	WG1051921
p-Isopropyltoluene	U		0.000219	0.00107	1	12/11/2017 01:43	WG1051921
2-Butanone (MEK)	U		0.00503	0.0107	1	12/11/2017 01:43	WG1051921
Methylene Chloride	U		0.00107	0.00537	1	12/11/2017 01:43	WG1051921
4-Methyl-2-pentanone (MIBK)	U		0.00202	0.0107	1	12/11/2017 01:43	WG1051921

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000228	0.00107	1	12/11/2017 01:43	WG1051921
Naphthalene	U		0.00107	0.00537	1	12/11/2017 01:43	WG1051921
n-Propylbenzene	U		0.000221	0.00107	1	12/11/2017 01:43	WG1051921
Styrene	U		0.000251	0.00107	1	12/11/2017 01:43	WG1051921
1,1,1,2-Tetrachloroethane	U		0.000284	0.00107	1	12/11/2017 01:43	WG1051921
1,1,2,2-Tetrachloroethane	U		0.000392	0.00107	1	12/11/2017 01:43	WG1051921
1,1,2-Trichlorotrifluoroethane	U		0.000392	0.00107	1	12/11/2017 01:43	WG1051921
Tetrachloroethene	2.57		0.00800	0.0290	27	12/12/2017 15:12	WG1051921
Toluene	U		0.000466	0.00537	1	12/11/2017 01:43	WG1051921
1,2,3-Trichlorobenzene	U		0.000329	0.00107	1	12/11/2017 01:43	WG1051921
1,2,4-Trichlorobenzene	U		0.000417	0.00107	1	12/11/2017 01:43	WG1051921
1,1,1-Trichloroethane	U		0.000307	0.00107	1	12/11/2017 01:43	WG1051921
1,1,2-Trichloroethane	U		0.000298	0.00107	1	12/11/2017 01:43	WG1051921
Trichloroethene	0.0163		0.000300	0.00107	1	12/11/2017 01:43	WG1051921
Trichlorofluoromethane	U		0.000410	0.00537	1	12/11/2017 01:43	WG1051921
1,2,3-Trichloropropane	U		0.000796	0.00269	1	12/11/2017 01:43	WG1051921
1,2,4-Trimethylbenzene	U		0.000227	0.00107	1	12/11/2017 01:43	WG1051921
1,2,3-Trimethylbenzene	U		0.000308	0.00107	1	12/11/2017 01:43	WG1051921
1,3,5-Trimethylbenzene	U		0.000286	0.00107	1	12/11/2017 01:43	WG1051921
Vinyl acetate	U		0.00257	0.0107	1	12/11/2017 01:43	WG1051921
Vinyl chloride	U		0.000313	0.00107	1	12/11/2017 01:43	WG1051921
Xylenes, Total	U		0.000750	0.00322	1	12/11/2017 01:43	WG1051921
(S) Toluene-d8	*98.4*			*80.0-120*		*12/12/2017 15:12*	WG1051921
(S) Toluene-d8	*89.8*			*80.0-120*		*12/11/2017 01:43*	WG1051921
(S) Dibromofluoromethane	*98.4*			*74.0-131*		*12/12/2017 15:12*	WG1051921
(S) Dibromofluoromethane	*107*			*74.0-131*		*12/11/2017 01:43*	WG1051921
(S) 4-Bromofluorobenzene	*97.2*			*64.0-132*		*12/12/2017 15:12*	WG1051921
(S) 4-Bromofluorobenzene	*102*			*64.0-132*		*12/11/2017 01:43*	WG1051921

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	84.6		1	12/13/2017 13:32	WG1052966

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0118	0.0591	1	12/11/2017 02:04	WG1051921
Acrylonitrile	U		0.00212	0.0118	1	12/11/2017 02:04	WG1051921
Benzene	U		0.000319	0.00118	1	12/11/2017 02:04	WG1051921
Bromobenzene	U		0.000336	0.00118	1	12/11/2017 02:04	WG1051921
Bromodichloromethane	U		0.000300	0.00118	1	12/11/2017 02:04	WG1051921
Bromochloromethane	U		0.000461	0.00591	1	12/11/2017 02:04	WG1051921
Bromoform	U		0.000501	0.00118	1	12/11/2017 02:04	WG1051921
Bromomethane	U		0.00158	0.00591	1	12/11/2017 02:04	WG1051921
n-Butylbenzene	U		0.000305	0.00118	1	12/11/2017 02:04	WG1051921
sec-Butylbenzene	U		0.000238	0.00118	1	12/11/2017 02:04	WG1051921
tert-Butylbenzene	U		0.000243	0.00118	1	12/11/2017 02:04	WG1051921
Carbon disulfide	0.000656 J	J	0.000261	0.00118	1	12/11/2017 02:04	WG1051921
Carbon tetrachloride	U		0.000388	0.00118	1	12/11/2017 02:04	WG1051921
Chlorobenzene	U		0.000251	0.00118	1	12/11/2017 02:04	WG1051921
Chlorodibromomethane	U		0.000441	0.00118	1	12/11/2017 02:04	WG1051921
Chloroethane	U		0.00112	0.00591	1	12/11/2017 02:04	WG1051921
Chloroform	U		0.000271	0.00591	1	12/11/2017 02:04	WG1051921
Chloromethane	U		0.000443	0.00295	1	12/11/2017 02:04	WG1051921
2-Chlorotoluene	U		0.000356	0.00118	1	12/11/2017 02:04	WG1051921
4-Chlorotoluene	U		0.000284	0.00118	1	12/11/2017 02:04	WG1051921
1,2-Dibromo-3-Chloropropane	U		0.00124	0.00591	1	12/11/2017 02:04	WG1051921
1,2-Dibromoethane	U		0.000405	0.00118	1	12/11/2017 02:04	WG1051921
Dibromomethane	U		0.000451	0.00118	1	12/11/2017 02:04	WG1051921
1,2-Dichlorobenzene	U		0.000360	0.00118	1	12/11/2017 02:04	WG1051921
1,3-Dichlorobenzene	U		0.000282	0.00118	1	12/11/2017 02:04	WG1051921
1,4-Dichlorobenzene	U		0.000267	0.00118	1	12/11/2017 02:04	WG1051921
Dichlorodifluoromethane	U		0.000843	0.00591	1	12/11/2017 02:04	WG1051921
1,1-Dichloroethane	U		0.000235	0.00118	1	12/11/2017 02:04	WG1051921
1,2-Dichloroethane	U		0.000313	0.00118	1	12/11/2017 02:04	WG1051921
1,1-Dichloroethene	0.00854 J		0.000358	0.00118	1	12/11/2017 02:04	WG1051921
cis-1,2-Dichloroethene	1.84 J		0.0555	0.236	200	12/12/2017 16:57	WG1051921
trans-1,2-Dichloroethene	0.00338 J		0.000312	0.00118	1	12/11/2017 02:04	WG1051921
1,2-Dichloropropane	U		0.000423	0.00118	1	12/11/2017 02:04	WG1051921
1,1-Dichloropropene	U		0.000375	0.00118	1	12/11/2017 02:04	WG1051921
1,3-Dichloropropane	U		0.000245	0.00118	1	12/11/2017 02:04	WG1051921
cis-1,3-Dichloropropene	U		0.000310	0.00118	1	12/11/2017 02:04	WG1051921
trans-1,3-Dichloropropene	U		0.000316	0.00118	1	12/11/2017 02:04	WG1051921
trans-1,4-Dichloro-2-butene	U		0.000919	0.00295	1	12/11/2017 02:04	WG1051921
2,2-Dichloropropane	U	J4	0.000330	0.00118	1	12/11/2017 02:04	WG1051921
Di-isopropyl ether	U		0.000293	0.00118	1	12/11/2017 02:04	WG1051921
Ethylbenzene	U		0.000351	0.00118	1	12/11/2017 02:04	WG1051921
Hexachloro-1,3-butadiene	U		0.000404	0.00118	1	12/11/2017 02:04	WG1051921
2-Hexanone	U		0.00162	0.0118	1	12/11/2017 02:04	WG1051921
n-Hexane	U		0.000343	0.0118	1	12/11/2017 02:04	WG1051921
Iodomethane	U		0.00299	0.0118	1	12/11/2017 02:04	WG1051921
Isopropylbenzene	U		0.000287	0.00118	1	12/11/2017 02:04	WG1051921
p-Isopropyltoluene	U		0.000241	0.00118	1	12/11/2017 02:04	WG1051921
2-Butanone (MEK)	U		0.00553	0.0118	1	12/11/2017 02:04	WG1051921
Methylene Chloride	U		0.00118	0.00591	1	12/11/2017 02:04	WG1051921
4-Methyl-2-pentanone (MIBK)	U		0.00222	0.0118	1	12/11/2017 02:04	WG1051921

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000251	0.00118	1	12/11/2017 02:04	WG1051921
Naphthalene	U		0.00118	0.00591	1	12/11/2017 02:04	WG1051921
n-Propylbenzene	U		0.000243	0.00118	1	12/11/2017 02:04	WG1051921
Styrene	U		0.000277	0.00118	1	12/11/2017 02:04	WG1051921
1,1,1,2-Tetrachloroethane	U		0.000312	0.00118	1	12/11/2017 02:04	WG1051921
1,1,2,2-Tetrachloroethane	U		0.000431	0.00118	1	12/11/2017 02:04	WG1051921
1,1,2-Trichlorotrifluoroethane	U		0.000431	0.00118	1	12/11/2017 02:04	WG1051921
Tetrachloroethene	24.1 J		0.652	2.36	2000	12/13/2017 18:17	WG1051921
Toluene	0.000539 J	J	0.000513	0.00591	1	12/11/2017 02:04	WG1051921
1,2,3-Trichlorobenzene	U		0.000362	0.00118	1	12/11/2017 02:04	WG1051921
1,2,4-Trichlorobenzene	U		0.000459	0.00118	1	12/11/2017 02:04	WG1051921
1,1,1-Trichloroethane	U		0.000338	0.00118	1	12/11/2017 02:04	WG1051921
1,1,2-Trichloroethane	U		0.000327	0.00118	1	12/11/2017 02:04	WG1051921
Trichloroethene	0.746 J		0.0659	0.236	200	12/12/2017 16:57	WG1051921
Trichlorofluoromethane	U		0.000451	0.00591	1	12/11/2017 02:04	WG1051921
1,2,3-Trichloropropane	U		0.000876	0.00295	1	12/11/2017 02:04	WG1051921
1,2,4-Trimethylbenzene	0.000557 J	J	0.000249	0.00118	1	12/11/2017 02:04	WG1051921
1,2,3-Trimethylbenzene	U		0.000339	0.00118	1	12/11/2017 02:04	WG1051921
1,3,5-Trimethylbenzene	U		0.000314	0.00118	1	12/11/2017 02:04	WG1051921
Vinyl acetate	U		0.00282	0.0118	1	12/11/2017 02:04	WG1051921
Vinyl chloride	0.290 J	E	0.000344	0.00118	1	12/11/2017 02:04	WG1051921
Xylenes, Total	U		0.000825	0.00355	1	12/11/2017 02:04	WG1051921
(S) Toluene-d8	*94.6*			*80.0-120*		*12/11/2017 02:04*	WG1051921
(S) Toluene-d8	*99.4*			*80.0-120*		*12/13/2017 18:17*	WG1051921
(S) Toluene-d8	*98.9*			*80.0-120*		*12/12/2017 16:57*	WG1051921
(S) Dibromofluoromethane	*106*			*74.0-131*		*12/11/2017 02:04*	WG1051921
(S) Dibromofluoromethane	*97.5*			*74.0-131*		*12/13/2017 18:17*	WG1051921
(S) Dibromofluoromethane	*98.0*			*74.0-131*		*12/12/2017 16:57*	WG1051921
(S) 4-Bromofluorobenzene	*99.1*			*64.0-132*		*12/13/2017 18:17*	WG1051921
(S) 4-Bromofluorobenzene	*105*			*64.0-132*		*12/11/2017 02:04*	WG1051921
(S) 4-Bromofluorobenzene	*96.4*			*64.0-132*		*12/12/2017 16:57*	WG1051921

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	78.3		1	12/13/2017 11:18	WG1052965

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		1.28	6.38	100	12/11/2017 06:53	WG1051921
Acrylonitrile	U		0.229	1.28	100	12/11/2017 06:53	WG1051921
Benzene	U		0.0345	0.128	100	12/11/2017 06:53	WG1051921
Bromobenzene	U		0.0363	0.128	100	12/11/2017 06:53	WG1051921
Bromodichloromethane	U		0.0324	0.128	100	12/11/2017 06:53	WG1051921
Bromochloromethane	U		0.0498	0.638	100	12/11/2017 06:53	WG1051921
Bromoform	U		0.0541	0.128	100	12/11/2017 06:53	WG1051921
Bromomethane	U		0.171	0.638	100	12/11/2017 06:53	WG1051921
n-Butylbenzene	U		0.0329	0.128	100	12/11/2017 06:53	WG1051921
sec-Butylbenzene	U		0.0257	0.128	100	12/11/2017 06:53	WG1051921
tert-Butylbenzene	U		0.0263	0.128	100	12/11/2017 06:53	WG1051921
Carbon disulfide	U		0.0282	0.128	100	12/11/2017 06:53	WG1051921
Carbon tetrachloride	U		0.0419	0.128	100	12/11/2017 06:53	WG1051921
Chlorobenzene	U		0.0271	0.128	100	12/11/2017 06:53	WG1051921
Chlorodibromomethane	U		0.0476	0.128	100	12/11/2017 06:53	WG1051921
Chloroethane	U		0.121	0.638	100	12/11/2017 06:53	WG1051921
Chloroform	U		0.0292	0.638	100	12/11/2017 06:53	WG1051921
Chloromethane	U		0.0479	0.319	100	12/11/2017 06:53	WG1051921
2-Chlorotoluene	U		0.0384	0.128	100	12/11/2017 06:53	WG1051921
4-Chlorotoluene	U		0.0306	0.128	100	12/11/2017 06:53	WG1051921
1,2-Dibromo-3-Chloropropane	U		0.134	0.638	100	12/11/2017 06:53	WG1051921
1,2-Dibromoethane	U		0.0438	0.128	100	12/11/2017 06:53	WG1051921
Dibromomethane	U		0.0488	0.128	100	12/11/2017 06:53	WG1051921
1,2-Dichlorobenzene	U		0.0389	0.128	100	12/11/2017 06:53	WG1051921
1,3-Dichlorobenzene	U		0.0305	0.128	100	12/11/2017 06:53	WG1051921
1,4-Dichlorobenzene	U		0.0289	0.128	100	12/11/2017 06:53	WG1051921
Dichlorodifluoromethane	U		0.0910	0.638	100	12/11/2017 06:53	WG1051921
1,1-Dichloroethane	U		0.0254	0.128	100	12/11/2017 06:53	WG1051921
1,2-Dichloroethane	U		0.0338	0.128	100	12/11/2017 06:53	WG1051921
1,1-Dichloroethene	U	UJ	0.0387	0.128	100	12/11/2017 06:53	WG1051921
cis-1,2-Dichloroethene	4.51	J	0.0300	0.128	100	12/11/2017 06:53	WG1051921
trans-1,2-Dichloroethene	U	UJ	0.0337	0.128	100	12/11/2017 06:53	WG1051921
1,2-Dichloropropane	U		0.0457	0.128	100	12/11/2017 06:53	WG1051921
1,1-Dichloropropene	U		0.0405	0.128	100	12/11/2017 06:53	WG1051921
1,3-Dichloropropane	U		0.0264	0.128	100	12/11/2017 06:53	WG1051921
cis-1,3-Dichloropropene	U		0.0335	0.128	100	12/11/2017 06:53	WG1051921
trans-1,3-Dichloropropene	U		0.0341	0.128	100	12/11/2017 06:53	WG1051921
trans-1,4-Dichloro-2-butene	U	UJ J0	0.0993	0.319	100	12/11/2017 06:53	WG1051921
2,2-Dichloropropane	U	J4	0.0356	0.128	100	12/11/2017 06:53	WG1051921
Di-isopropyl ether	U		0.0317	0.128	100	12/11/2017 06:53	WG1051921
Ethylbenzene	U		0.0379	0.128	100	12/11/2017 06:53	WG1051921
Hexachloro-1,3-butadiene	U		0.0437	0.128	100	12/11/2017 06:53	WG1051921
2-Hexanone	U		0.175	1.28	100	12/11/2017 06:53	WG1051921
n-Hexane	U		0.0370	1.28	100	12/11/2017 06:53	WG1051921
Iodomethane	U		0.323	1.28	100	12/11/2017 06:53	WG1051921
Isopropylbenzene	U		0.0310	0.128	100	12/11/2017 06:53	WG1051921
p-Isopropyltoluene	U		0.0260	0.128	100	12/11/2017 06:53	WG1051921
2-Butanone (MEK)	U		0.598	1.28	100	12/11/2017 06:53	WG1051921
Methylene Chloride	U		0.128	0.638	100	12/11/2017 06:53	WG1051921
4-Methyl-2-pentanone (MIBK)	U		0.240	1.28	100	12/11/2017 06:53	WG1051921

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.0271	0.128	100	12/11/2017 06:53	WG1051921
Naphthalene	U		0.128	0.638	100	12/11/2017 06:53	WG1051921
n-Propylbenzene	U		0.0263	0.128	100	12/11/2017 06:53	WG1051921
Styrene	U		0.0299	0.128	100	12/11/2017 06:53	WG1051921
1,1,1,2-Tetrachloroethane	U		0.0337	0.128	100	12/11/2017 06:53	WG1051921
1,1,2,2-Tetrachloroethane	U		0.0466	0.128	100	12/11/2017 06:53	WG1051921
1,1,2-Trichlorotrifluoroethane	U		0.0466	0.128	100	12/11/2017 06:53	WG1051921
Tetrachloroethene	53.0 J		0.705	2.55	2000	12/12/2017 18:01	WG1051921
Toluene	U UJ		0.0554	0.638	100	12/11/2017 06:53	WG1051921
1,2,3-Trichlorobenzene	U		0.0391	0.128	100	12/11/2017 06:53	WG1051921
1,2,4-Trichlorobenzene	U		0.0495	0.128	100	12/11/2017 06:53	WG1051921
1,1,1-Trichloroethane	U		0.0365	0.128	100	12/11/2017 06:53	WG1051921
1,1,2-Trichloroethane	U		0.0354	0.128	100	12/11/2017 06:53	WG1051921
Trichloroethene	1.86 J		0.0356	0.128	100	12/11/2017 06:53	WG1051921
Trichlorofluoromethane	U		0.0488	0.638	100	12/11/2017 06:53	WG1051921
1,2,3-Trichloropropane	U		0.0946	0.319	100	12/11/2017 06:53	WG1051921
1,2,4-Trimethylbenzene	U		0.0269	0.128	100	12/11/2017 06:53	WG1051921
1,2,3-Trimethylbenzene	U		0.0366	0.128	100	12/11/2017 06:53	WG1051921
1,3,5-Trimethylbenzene	U		0.0340	0.128	100	12/11/2017 06:53	WG1051921
Vinyl acetate	U		0.305	1.28	100	12/11/2017 06:53	WG1051921
Vinyl chloride	0.110 J	J	0.0372	0.128	100	12/11/2017 06:53	WG1051921
Xylenes, Total	U		0.0891	0.383	100	12/11/2017 06:53	WG1051921
(S) Toluene-d8	*99.6*			*80.0-120*		*12/12/2017 18:01*	WG1051921
(S) Toluene-d8	*96.8*			*80.0-120*		*12/11/2017 06:53*	WG1051921
(S) Dibromofluoromethane	*99.7*			*74.0-131*		*12/12/2017 18:01*	WG1051921
(S) Dibromofluoromethane	*99.9*			*74.0-131*		*12/11/2017 06:53*	WG1051921
(S) 4-Bromofluorobenzene	*98.2*			*64.0-132*		*12/11/2017 06:53*	WG1051921
(S) 4-Bromofluorobenzene	*98.8*			*64.0-132*		*12/12/2017 18:01*	WG1051921

Sample Narrative:

L956226-05 WG1051921: Cannot be analyzed at a lower dilution due to high levels of target analytes.

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

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	77.7		1	12/13/2017 11:18	WG1052965

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.0264 U	J	0.0129	0.0644	1	12/11/2017 02:25	WG1051921
Acrylonitrile	U		0.00230	0.0129	1	12/11/2017 02:25	WG1051921
Benzene	U		0.000348	0.00129	1	12/11/2017 02:25	WG1051921
Bromobenzene	U		0.000366	0.00129	1	12/11/2017 02:25	WG1051921
Bromodichloromethane	U		0.000327	0.00129	1	12/11/2017 02:25	WG1051921
Bromochloromethane	U		0.000502	0.00644	1	12/11/2017 02:25	WG1051921
Bromoform	U		0.000546	0.00129	1	12/11/2017 02:25	WG1051921
Bromomethane	U		0.00172	0.00644	1	12/11/2017 02:25	WG1051921
n-Butylbenzene	U		0.000332	0.00129	1	12/11/2017 02:25	WG1051921
sec-Butylbenzene	U		0.000259	0.00129	1	12/11/2017 02:25	WG1051921
tert-Butylbenzene	U		0.000265	0.00129	1	12/11/2017 02:25	WG1051921
Carbon disulfide	0.00125 J	J	0.000284	0.00129	1	12/11/2017 02:25	WG1051921
Carbon tetrachloride	U		0.000422	0.00129	1	12/11/2017 02:25	WG1051921
Chlorobenzene	U		0.000273	0.00129	1	12/11/2017 02:25	WG1051921
Chlorodibromomethane	U		0.000480	0.00129	1	12/11/2017 02:25	WG1051921
Chloroethane	U		0.00122	0.00644	1	12/11/2017 02:25	WG1051921
Chloroform	U		0.000295	0.00644	1	12/11/2017 02:25	WG1051921
Chloromethane	U		0.000483	0.00322	1	12/11/2017 02:25	WG1051921
2-Chlorotoluene	U		0.000387	0.00129	1	12/11/2017 02:25	WG1051921
4-Chlorotoluene	U		0.000309	0.00129	1	12/11/2017 02:25	WG1051921
1,2-Dibromo-3-Chloropropane	U		0.00135	0.00644	1	12/11/2017 02:25	WG1051921
1,2-Dibromoethane	U		0.000442	0.00129	1	12/11/2017 02:25	WG1051921
Dibromomethane	U		0.000492	0.00129	1	12/11/2017 02:25	WG1051921
1,2-Dichlorobenzene	U		0.000393	0.00129	1	12/11/2017 02:25	WG1051921
1,3-Dichlorobenzene	U		0.000308	0.00129	1	12/11/2017 02:25	WG1051921
1,4-Dichlorobenzene	U		0.000291	0.00129	1	12/11/2017 02:25	WG1051921
Dichlorodifluoromethane	U		0.000918	0.00644	1	12/11/2017 02:25	WG1051921
1,1-Dichloroethane	U		0.000256	0.00129	1	12/11/2017 02:25	WG1051921
1,2-Dichloroethane	U		0.000341	0.00129	1	12/11/2017 02:25	WG1051921
1,1-Dichloroethene	0.00246		0.000390	0.00129	1	12/11/2017 02:25	WG1051921
cis-1,2-Dichloroethene	2.83		0.0152	0.0644	50	12/12/2017 16:15	WG1051921
trans-1,2-Dichloroethene	0.000848 J	J	0.000340	0.00129	1	12/11/2017 02:25	WG1051921
1,2-Dichloropropane	U		0.000461	0.00129	1	12/11/2017 02:25	WG1051921
1,1-Dichloropropene	U		0.000408	0.00129	1	12/11/2017 02:25	WG1051921
1,3-Dichloropropane	U		0.000266	0.00129	1	12/11/2017 02:25	WG1051921
cis-1,3-Dichloropropene	U		0.000337	0.00129	1	12/11/2017 02:25	WG1051921
trans-1,3-Dichloropropene	U		0.000344	0.00129	1	12/11/2017 02:25	WG1051921
trans-1,4-Dichloro-2-butene	U UJ	J0	0.00100	0.00322	1	12/11/2017 02:25	WG1051921
2,2-Dichloropropane	U	J4	0.000359	0.00129	1	12/11/2017 02:25	WG1051921
Di-isopropyl ether	U		0.000319	0.00129	1	12/11/2017 02:25	WG1051921
Ethylbenzene	U		0.000382	0.00129	1	12/11/2017 02:25	WG1051921
Hexachloro-1,3-butadiene	U		0.000440	0.00129	1	12/11/2017 02:25	WG1051921
2-Hexanone	U		0.00176	0.0129	1	12/11/2017 02:25	WG1051921
n-Hexane	0.00162 J	J	0.000373	0.0129	1	12/11/2017 02:25	WG1051921
Iodomethane	U		0.00326	0.0129	1	12/11/2017 02:25	WG1051921
Isopropylbenzene	U		0.000313	0.00129	1	12/11/2017 02:25	WG1051921
p-Isopropyltoluene	U		0.000263	0.00129	1	12/11/2017 02:25	WG1051921
2-Butanone (MEK)	0.0167		0.00602	0.0129	1	12/11/2017 02:25	WG1051921
Methylene Chloride	U		0.00129	0.00644	1	12/11/2017 02:25	WG1051921
4-Methyl-2-pentanone (MIBK)	U		0.00242	0.0129	1	12/11/2017 02:25	WG1051921

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000273	0.00129	1	12/11/2017 02:25	WG1051921
Naphthalene	U		0.00129	0.00644	1	12/11/2017 02:25	WG1051921
n-Propylbenzene	U		0.000265	0.00129	1	12/11/2017 02:25	WG1051921
Styrene	U		0.000301	0.00129	1	12/11/2017 02:25	WG1051921
1,1,1,2-Tetrachloroethane	U		0.000340	0.00129	1	12/11/2017 02:25	WG1051921
1,1,2,2-Tetrachloroethane	U		0.000470	0.00129	1	12/11/2017 02:25	WG1051921
1,1,2-Trichlorotrifluoroethane	U		0.000470	0.00129	1	12/11/2017 02:25	WG1051921
Tetrachloroethene	10.9		0.178	0.644	500	12/13/2017 17:56	WG1051921
Toluene	U		0.000559	0.00644	1	12/11/2017 02:25	WG1051921
1,2,3-Trichlorobenzene	U		0.000394	0.00129	1	12/11/2017 02:25	WG1051921
1,2,4-Trichlorobenzene	U		0.000499	0.00129	1	12/11/2017 02:25	WG1051921
1,1,1-Trichloroethane	U		0.000368	0.00129	1	12/11/2017 02:25	WG1051921
1,1,2-Trichloroethane	U		0.000357	0.00129	1	12/11/2017 02:25	WG1051921
Trichloroethene	0.0457		0.000359	0.00129	1	12/11/2017 02:25	WG1051921
Trichlorofluoromethane	U		0.000492	0.00644	1	12/11/2017 02:25	WG1051921
1,2,3-Trichloropropane	U		0.000954	0.00322	1	12/11/2017 02:25	WG1051921
1,2,4-Trimethylbenzene	U		0.000272	0.00129	1	12/11/2017 02:25	WG1051921
1,2,3-Trimethylbenzene	U		0.000369	0.00129	1	12/11/2017 02:25	WG1051921
1,3,5-Trimethylbenzene	U		0.000342	0.00129	1	12/11/2017 02:25	WG1051921
Vinyl acetate	U		0.00308	0.0129	1	12/11/2017 02:25	WG1051921
Vinyl chloride	0.131		0.000375	0.00129	1	12/11/2017 02:25	WG1051921
Xylenes, Total	U		0.000899	0.00386	1	12/11/2017 02:25	WG1051921
(S) Toluene-d8	*89.7*			*80.0-120*		*12/11/2017 02:25*	WG1051921
(S) Toluene-d8	*97.8*			*80.0-120*		*12/12/2017 16:15*	WG1051921
(S) Toluene-d8	*98.9*			*80.0-120*		*12/13/2017 17:56*	WG1051921
(S) Dibromofluoromethane	*106*			*74.0-131*		*12/11/2017 02:25*	WG1051921
(S) Dibromofluoromethane	*97.8*			*74.0-131*		*12/12/2017 16:15*	WG1051921
(S) Dibromofluoromethane	*96.1*			*74.0-131*		*12/13/2017 17:56*	WG1051921
(S) 4-Bromofluorobenzene	*97.4*			*64.0-132*		*12/12/2017 16:15*	WG1051921
(S) 4-Bromofluorobenzene	*99.7*			*64.0-132*		*12/11/2017 02:25*	WG1051921
(S) 4-Bromofluorobenzene	*98.6*			*64.0-132*		*12/13/2017 17:56*	WG1051921

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	85.8		1	12/13/2017 11:18	WG1052965

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0117	0.0583	1	12/11/2017 03:43	WG1051921
Acrylonitrile	U		0.00209	0.0117	1	12/11/2017 03:43	WG1051921
Benzene	U		0.000315	0.00117	1	12/11/2017 03:43	WG1051921
Bromobenzene	U		0.000331	0.00117	1	12/11/2017 03:43	WG1051921
Bromodichloromethane	U		0.000296	0.00117	1	12/11/2017 03:43	WG1051921
Bromochloromethane	U		0.000455	0.00583	1	12/11/2017 03:43	WG1051921
Bromoform	U		0.000494	0.00117	1	12/11/2017 03:43	WG1051921
Bromomethane	U		0.00156	0.00583	1	12/11/2017 03:43	WG1051921
n-Butylbenzene	U		0.000301	0.00117	1	12/11/2017 03:43	WG1051921
sec-Butylbenzene	U		0.000234	0.00117	1	12/11/2017 03:43	WG1051921
tert-Butylbenzene	U		0.000240	0.00117	1	12/11/2017 03:43	WG1051921
Carbon disulfide	U		0.000258	0.00117	1	12/11/2017 03:43	WG1051921
Carbon tetrachloride	U		0.000382	0.00117	1	12/11/2017 03:43	WG1051921
Chlorobenzene	U		0.000247	0.00117	1	12/11/2017 03:43	WG1051921
Chlorodibromomethane	U		0.000435	0.00117	1	12/11/2017 03:43	WG1051921
Chloroethane	U		0.00110	0.00583	1	12/11/2017 03:43	WG1051921
Chloroform	U		0.000267	0.00583	1	12/11/2017 03:43	WG1051921
Chloromethane	U		0.000437	0.00291	1	12/11/2017 03:43	WG1051921
2-Chlorotoluene	U		0.000351	0.00117	1	12/11/2017 03:43	WG1051921
4-Chlorotoluene	U		0.000280	0.00117	1	12/11/2017 03:43	WG1051921
1,2-Dibromo-3-Chloropropane	U		0.00122	0.00583	1	12/11/2017 03:43	WG1051921
1,2-Dibromoethane	U		0.000400	0.00117	1	12/11/2017 03:43	WG1051921
Dibromomethane	U		0.000445	0.00117	1	12/11/2017 03:43	WG1051921
1,2-Dichlorobenzene	U		0.000356	0.00117	1	12/11/2017 03:43	WG1051921
1,3-Dichlorobenzene	U		0.000279	0.00117	1	12/11/2017 03:43	WG1051921
1,4-Dichlorobenzene	U		0.000263	0.00117	1	12/11/2017 03:43	WG1051921
Dichlorodifluoromethane	U		0.000831	0.00583	1	12/11/2017 03:43	WG1051921
1,1-Dichloroethane	U		0.000232	0.00117	1	12/11/2017 03:43	WG1051921
1,2-Dichloroethane	U		0.000309	0.00117	1	12/11/2017 03:43	WG1051921
1,1-Dichloroethene	U		0.000353	0.00117	1	12/11/2017 03:43	WG1051921
cis-1,2-Dichloroethene	0.0118		0.000274	0.00117	1	12/12/2017 14:50	WG1051921
trans-1,2-Dichloroethene	U		0.000308	0.00117	1	12/11/2017 03:43	WG1051921
1,2-Dichloropropane	U		0.000417	0.00117	1	12/11/2017 03:43	WG1051921
1,1-Dichloropropene	U		0.000370	0.00117	1	12/11/2017 03:43	WG1051921
1,3-Dichloropropane	U		0.000241	0.00117	1	12/11/2017 03:43	WG1051921
cis-1,3-Dichloropropene	U		0.000305	0.00117	1	12/11/2017 03:43	WG1051921
trans-1,3-Dichloropropene	U		0.000311	0.00117	1	12/11/2017 03:43	WG1051921
trans-1,4-Dichloro-2-butene	U	UJ J0	0.000907	0.00291	1	12/11/2017 03:43	WG1051921
2,2-Dichloropropane	U	J4	0.000325	0.00117	1	12/11/2017 03:43	WG1051921
Di-isopropyl ether	U		0.000289	0.00117	1	12/11/2017 03:43	WG1051921
Ethylbenzene	U		0.000346	0.00117	1	12/11/2017 03:43	WG1051921
Hexachloro-1,3-butadiene	U		0.000399	0.00117	1	12/11/2017 03:43	WG1051921
2-Hexanone	0.00182	J J	0.00160	0.0117	1	12/11/2017 03:43	WG1051921
n-Hexane	0.000697	J J	0.000338	0.0117	1	12/11/2017 03:43	WG1051921
Iodomethane	U		0.00295	0.0117	1	12/11/2017 03:43	WG1051921
Isopropylbenzene	U		0.000283	0.00117	1	12/11/2017 03:43	WG1051921
p-Isopropyltoluene	U		0.000238	0.00117	1	12/11/2017 03:43	WG1051921
2-Butanone (MEK)	U		0.00546	0.0117	1	12/11/2017 03:43	WG1051921
Methylene Chloride	U		0.00117	0.00583	1	12/11/2017 03:43	WG1051921
4-Methyl-2-pentanone (MIBK)	U		0.00219	0.0117	1	12/11/2017 03:43	WG1051921

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000247	0.00117	1	12/11/2017 03:43	WG1051921
Naphthalene	U		0.00117	0.00583	1	12/11/2017 03:43	WG1051921
n-Propylbenzene	U		0.000240	0.00117	1	12/11/2017 03:43	WG1051921
Styrene	U		0.000273	0.00117	1	12/11/2017 03:43	WG1051921
1,1,1,2-Tetrachloroethane	U		0.000308	0.00117	1	12/11/2017 03:43	WG1051921
1,1,2,2-Tetrachloroethane	U		0.000426	0.00117	1	12/11/2017 03:43	WG1051921
1,1,2-Trichlorotrifluoroethane	U		0.000426	0.00117	1	12/11/2017 03:43	WG1051921
Tetrachloroethene	0.0262		0.000322	0.00117	1	12/12/2017 14:50	WG1051921
Toluene	U		0.000506	0.00583	1	12/11/2017 03:43	WG1051921
1,2,3-Trichlorobenzene	U		0.000357	0.00117	1	12/11/2017 03:43	WG1051921
1,2,4-Trichlorobenzene	U		0.000452	0.00117	1	12/11/2017 03:43	WG1051921
1,1,1-Trichloroethane	U		0.000333	0.00117	1	12/11/2017 03:43	WG1051921
1,1,2-Trichloroethane	U		0.000323	0.00117	1	12/11/2017 03:43	WG1051921
Trichloroethene	0.00294		0.000325	0.00117	1	12/12/2017 14:50	WG1051921
Trichlorofluoromethane	U		0.000445	0.00583	1	12/11/2017 03:43	WG1051921
1,2,3-Trichloropropane	U		0.000864	0.00291	1	12/11/2017 03:43	WG1051921
1,2,4-Trimethylbenzene	U		0.000246	0.00117	1	12/11/2017 03:43	WG1051921
1,2,3-Trimethylbenzene	U		0.000335	0.00117	1	12/11/2017 03:43	WG1051921
1,3,5-Trimethylbenzene	U		0.000310	0.00117	1	12/11/2017 03:43	WG1051921
Vinyl acetate	U		0.00279	0.0117	1	12/11/2017 03:43	WG1051921
Vinyl chloride	U		0.000339	0.00117	1	12/11/2017 03:43	WG1051921
Xylenes, Total	U		0.000814	0.00350	1	12/11/2017 03:43	WG1051921
(S) Toluene-d8	*89.3*			*80.0-120*		*12/11/2017 03:43*	WG1051921
(S) Toluene-d8	*91.5*			*80.0-120*		*12/12/2017 14:50*	WG1051921
(S) Dibromofluoromethane	*110*			*74.0-131*		*12/11/2017 03:43*	WG1051921
(S) Dibromofluoromethane	*107*			*74.0-131*		*12/12/2017 14:50*	WG1051921
(S) 4-Bromofluorobenzene	*98.6*			*64.0-132*		*12/12/2017 14:50*	WG1051921
(S) 4-Bromofluorobenzene	*99.5*			*64.0-132*		*12/11/2017 03:43*	WG1051921

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

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

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	85.9		1	12/13/2017 13:32	WG1052966

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.0287 U	J	0.0116	0.0582	1	12/11/2017 04:05	WG1051921
Acrylonitrile	U		0.00208	0.0116	1	12/11/2017 04:05	WG1051921
Benzene	0.000929 J +	J	0.000314	0.00116	1	12/11/2017 04:05	WG1051921
Bromobenzene	U		0.000330	0.00116	1	12/11/2017 04:05	WG1051921
Bromodichloromethane	U		0.000296	0.00116	1	12/11/2017 04:05	WG1051921
Bromochloromethane	U		0.000454	0.00582	1	12/11/2017 04:05	WG1051921
Bromoform	U		0.000493	0.00116	1	12/11/2017 04:05	WG1051921
Bromomethane	U		0.00156	0.00582	1	12/11/2017 04:05	WG1051921
n-Butylbenzene	U		0.000300	0.00116	1	12/11/2017 04:05	WG1051921
sec-Butylbenzene	U		0.000234	0.00116	1	12/11/2017 04:05	WG1051921
tert-Butylbenzene	U		0.000240	0.00116	1	12/11/2017 04:05	WG1051921
Carbon disulfide	0.00139 J +		0.000257	0.00116	1	12/11/2017 04:05	WG1051921
Carbon tetrachloride	U		0.000382	0.00116	1	12/11/2017 04:05	WG1051921
Chlorobenzene	U		0.000247	0.00116	1	12/11/2017 04:05	WG1051921
Chlorodibromomethane	U		0.000434	0.00116	1	12/11/2017 04:05	WG1051921
Chloroethane	0.00205 J +	J	0.00110	0.00582	1	12/11/2017 04:05	WG1051921
Chloroform	U		0.000266	0.00582	1	12/11/2017 04:05	WG1051921
Chloromethane	U		0.000436	0.00291	1	12/11/2017 04:05	WG1051921
2-Chlorotoluene	U		0.000350	0.00116	1	12/11/2017 04:05	WG1051921
4-Chlorotoluene	U		0.000279	0.00116	1	12/11/2017 04:05	WG1051921
1,2-Dibromo-3-Chloropropane	U		0.00122	0.00582	1	12/11/2017 04:05	WG1051921
1,2-Dibromoethane	U		0.000399	0.00116	1	12/11/2017 04:05	WG1051921
Dibromomethane	U		0.000444	0.00116	1	12/11/2017 04:05	WG1051921
1,2-Dichlorobenzene	U		0.000355	0.00116	1	12/11/2017 04:05	WG1051921
1,3-Dichlorobenzene	U		0.000278	0.00116	1	12/11/2017 04:05	WG1051921
1,4-Dichlorobenzene	U		0.000263	0.00116	1	12/11/2017 04:05	WG1051921
Dichlorodifluoromethane	U		0.000830	0.00582	1	12/11/2017 04:05	WG1051921
1,1-Dichloroethane	U		0.000232	0.00116	1	12/11/2017 04:05	WG1051921
1,2-Dichloroethane	U		0.000308	0.00116	1	12/11/2017 04:05	WG1051921
1,1-Dichloroethene	U		0.000353	0.00116	1	12/11/2017 04:05	WG1051921
cis-1,2-Dichloroethene	0.0767 J +		0.000273	0.00116	1	12/11/2017 04:05	WG1051921
trans-1,2-Dichloroethene	0.000705 J +	J	0.000307	0.00116	1	12/11/2017 04:05	WG1051921
1,2-Dichloropropane	U		0.000417	0.00116	1	12/11/2017 04:05	WG1051921
1,1-Dichloropropene	U		0.000369	0.00116	1	12/11/2017 04:05	WG1051921
1,3-Dichloropropane	U		0.000241	0.00116	1	12/11/2017 04:05	WG1051921
cis-1,3-Dichloropropene	U		0.000305	0.00116	1	12/11/2017 04:05	WG1051921
trans-1,3-Dichloropropene	U		0.000311	0.00116	1	12/11/2017 04:05	WG1051921
trans-1,4-Dichloro-2-butene	U UJ	J0	0.000905	0.00291	1	12/11/2017 04:05	WG1051921
2,2-Dichloropropane	U	J4	0.000325	0.00116	1	12/11/2017 04:05	WG1051921
Di-isopropyl ether	U		0.000289	0.00116	1	12/11/2017 04:05	WG1051921
Ethylbenzene	U		0.000346	0.00116	1	12/11/2017 04:05	WG1051921
Hexachloro-1,3-butadiene	U		0.000398	0.00116	1	12/11/2017 04:05	WG1051921
2-Hexanone	0.0164		0.00159	0.0116	1	12/11/2017 04:05	WG1051921
n-Hexane	0.00731 J +	J	0.000337	0.0116	1	12/11/2017 04:05	WG1051921
Iodomethane	U		0.00294	0.0116	1	12/11/2017 04:05	WG1051921
Isopropylbenzene	U		0.000283	0.00116	1	12/11/2017 04:05	WG1051921
p-Isopropyltoluene	0.000241 J +	J V3	0.000237	0.00116	1	12/11/2017 04:05	WG1051921
2-Butanone (MEK)	0.0228 J+		0.00545	0.0116	1	12/11/2017 04:05	WG1051921
Methylene Chloride	U		0.00116	0.00582	1	12/11/2017 04:05	WG1051921
4-Methyl-2-pentanone (MIBK)	U		0.00219	0.0116	1	12/11/2017 04:05	WG1051921

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000247	0.00116	1	12/11/2017 04:05	WG1051921
Naphthalene	U		0.00116	0.00582	1	12/11/2017 04:05	WG1051921
n-Propylbenzene	0.000502	J + J V3	0.000240	0.00116	1	12/11/2017 04:05	WG1051921
Styrene	U		0.000272	0.00116	1	12/11/2017 04:05	WG1051921
1,1,1,2-Tetrachloroethane	U		0.000307	0.00116	1	12/11/2017 04:05	WG1051921
1,1,2,2-Tetrachloroethane	U		0.000425	0.00116	1	12/11/2017 04:05	WG1051921
1,1,2-Trichlorotrifluoroethane	U		0.000425	0.00116	1	12/11/2017 04:05	WG1051921
Tetrachloroethene	22.7		0.161	0.582	500	12/12/2017 17:39	WG1051921
Toluene	0.00774	J +	0.000505	0.00582	1	12/11/2017 04:05	WG1051921
1,2,3-Trichlorobenzene	U		0.000356	0.00116	1	12/11/2017 04:05	WG1051921
1,2,4-Trichlorobenzene	U		0.000451	0.00116	1	12/11/2017 04:05	WG1051921
1,1,1-Trichloroethane	U		0.000333	0.00116	1	12/11/2017 04:05	WG1051921
1,1,2-Trichloroethane	U		0.000322	0.00116	1	12/11/2017 04:05	WG1051921
Trichloroethene	0.0724	J +	0.000325	0.00116	1	12/11/2017 04:05	WG1051921
Trichlorofluoromethane	U		0.000444	0.00582	1	12/11/2017 04:05	WG1051921
1,2,3-Trichloropropane	U		0.000862	0.00291	1	12/11/2017 04:05	WG1051921
1,2,4-Trimethylbenzene	0.00114	J + J V3	0.000245	0.00116	1	12/11/2017 04:05	WG1051921
1,2,3-Trimethylbenzene	0.000402	J + J V3	0.000334	0.00116	1	12/11/2017 04:05	WG1051921
1,3,5-Trimethylbenzene	0.000551	J + J V3	0.000309	0.00116	1	12/11/2017 04:05	WG1051921
Vinyl acetate	U		0.00278	0.0116	1	12/11/2017 04:05	WG1051921
Vinyl chloride	0.00193		0.000339	0.00116	1	12/11/2017 04:05	WG1051921
Xylenes, Total	U		0.000812	0.00349	1	12/11/2017 04:05	WG1051921
(S) Toluene-d8	*99.3*			*80.0-120*		*12/12/2017 17:39*	WG1051921
(S) Toluene-d8	*86.1*			*80.0-120*		*12/11/2017 04:05*	WG1051921
(S) Dibromofluoromethane	*98.1*			*74.0-131*		*12/12/2017 17:39*	WG1051921
(S) Dibromofluoromethane	*106*			*74.0-131*		*12/11/2017 04:05*	WG1051921
(S) 4-Bromofluorobenzene	*98.5*			*64.0-132*		*12/12/2017 17:39*	WG1051921
(S) 4-Bromofluorobenzene	*167*	J1		*64.0-132*		*12/11/2017 04:05*	WG1051921

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	87.4		1	12/13/2017 13:32	WG1052966

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

Analyte	Result (dry) mg/kg		Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U			2.86	14.3	250	12/12/2017 17:18	WG1051921
Acrylonitrile	U			0.513	2.86	250	12/12/2017 17:18	WG1051921
Benzene	U			0.0772	0.286	250	12/12/2017 17:18	WG1051921
Bromobenzene	U			0.0812	0.286	250	12/12/2017 17:18	WG1051921
Bromodichloromethane	U			0.0727	0.286	250	12/12/2017 17:18	WG1051921
Bromochloromethane	U			0.112	1.43	250	12/12/2017 17:18	WG1051921
Bromoform	U			0.121	0.286	250	12/12/2017 17:18	WG1051921
Bromomethane	U			0.383	1.43	250	12/12/2017 17:18	WG1051921
n-Butylbenzene	U			0.0738	0.286	250	12/12/2017 17:18	WG1051921
sec-Butylbenzene	U			0.0574	0.286	250	12/12/2017 17:18	WG1051921
tert-Butylbenzene	U			0.0589	0.286	250	12/12/2017 17:18	WG1051921
Carbon disulfide	U			0.0632	0.286	250	12/12/2017 17:18	WG1051921
Carbon tetrachloride	U			0.0938	0.286	250	12/12/2017 17:18	WG1051921
Chlorobenzene	U			0.0606	0.286	250	12/12/2017 17:18	WG1051921
Chlorodibromomethane	U			0.107	0.286	250	12/12/2017 17:18	WG1051921
Chloroethane	U			0.270	1.43	250	12/12/2017 17:18	WG1051921
Chloroform	U			0.0654	1.43	250	12/12/2017 17:18	WG1051921
Chloromethane	U			0.107	0.715	250	12/12/2017 17:18	WG1051921
2-Chlorotoluene	U			0.0860	0.286	250	12/12/2017 17:18	WG1051921
4-Chlorotoluene	U			0.0686	0.286	250	12/12/2017 17:18	WG1051921
1,2-Dibromo-3-Chloropropane	U			0.300	1.43	250	12/12/2017 17:18	WG1051921
1,2-Dibromoethane	U			0.0982	0.286	250	12/12/2017 17:18	WG1051921
Dibromomethane	U			0.109	0.286	250	12/12/2017 17:18	WG1051921
1,2-Dichlorobenzene	U			0.0872	0.286	250	12/12/2017 17:18	WG1051921
1,3-Dichlorobenzene	U			0.0684	0.286	250	12/12/2017 17:18	WG1051921
1,4-Dichlorobenzene	U			0.0646	0.286	250	12/12/2017 17:18	WG1051921
Dichlorodifluoromethane	U			0.204	1.43	250	12/12/2017 17:18	WG1051921
1,1-Dichloroethane	U			0.0570	0.286	250	12/12/2017 17:18	WG1051921
1,2-Dichloroethane	U			0.0757	0.286	250	12/12/2017 17:18	WG1051921
1,1-Dichloroethene	U			0.0867	0.286	250	12/12/2017 17:18	WG1051921
cis-1,2-Dichloroethene	0.191	J	J	0.0673	0.286	250	12/12/2017 17:18	WG1051921
trans-1,2-Dichloroethene	U			0.0755	0.286	250	12/12/2017 17:18	WG1051921
1,2-Dichloropropane	U			0.102	0.286	250	12/12/2017 17:18	WG1051921
1,1-Dichloropropene	U			0.0906	0.286	250	12/12/2017 17:18	WG1051921
1,3-Dichloropropane	U			0.0593	0.286	250	12/12/2017 17:18	WG1051921
cis-1,3-Dichloropropene	U			0.0749	0.286	250	12/12/2017 17:18	WG1051921
trans-1,3-Dichloropropene	U			0.0764	0.286	250	12/12/2017 17:18	WG1051921
trans-1,4-Dichloro-2-butene	U	UJ	J0	0.222	0.715	250	12/12/2017 17:18	WG1051921
2,2-Dichloropropane	U		J4	0.0799	0.286	250	12/12/2017 17:18	WG1051921
Di-isopropyl ether	U			0.0709	0.286	250	12/12/2017 17:18	WG1051921
Ethylbenzene	U			0.0849	0.286	250	12/12/2017 17:18	WG1051921
Hexachloro-1,3-butadiene	U			0.0978	0.286	250	12/12/2017 17:18	WG1051921
2-Hexanone	U			0.391	2.86	250	12/12/2017 17:18	WG1051921
n-Hexane	U			0.0829	2.86	250	12/12/2017 17:18	WG1051921
Iodomethane	U			0.723	2.86	250	12/12/2017 17:18	WG1051921
Isopropylbenzene	U			0.0696	0.286	250	12/12/2017 17:18	WG1051921
p-Isopropyltoluene	U			0.0584	0.286	250	12/12/2017 17:18	WG1051921
2-Butanone (MEK)	U			1.34	2.86	250	12/12/2017 17:18	WG1051921
Methylene Chloride	U			0.286	1.43	250	12/12/2017 17:18	WG1051921
4-Methyl-2-pentanone (MIBK)	U			0.538	2.86	250	12/12/2017 17:18	WG1051921

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

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.0606	0.286	250	12/12/2017 17:18	WG1051921
Naphthalene	U UJ	J0	0.286	1.43	250	12/12/2017 17:18	WG1051921
n-Propylbenzene	U		0.0589	0.286	250	12/12/2017 17:18	WG1051921
Styrene	U		0.0669	0.286	250	12/12/2017 17:18	WG1051921
1,1,1,2-Tetrachloroethane	U		0.0755	0.286	250	12/12/2017 17:18	WG1051921
1,1,2,2-Tetrachloroethane	U		0.104	0.286	250	12/12/2017 17:18	WG1051921
1,1,2-Trichlorotrifluoroethane	U		0.104	0.286	250	12/12/2017 17:18	WG1051921
Tetrachloroethene	28.6		0.0789	0.286	250	12/12/2017 17:18	WG1051921
Toluene	U		0.124	1.43	250	12/12/2017 17:18	WG1051921
1,2,3-Trichlorobenzene	U		0.0875	0.286	250	12/12/2017 17:18	WG1051921
1,2,4-Trichlorobenzene	U		0.111	0.286	250	12/12/2017 17:18	WG1051921
1,1,1-Trichloroethane	U		0.0818	0.286	250	12/12/2017 17:18	WG1051921
1,1,2-Trichloroethane	U		0.0792	0.286	250	12/12/2017 17:18	WG1051921
Trichloroethene	0.262 J	J	0.0799	0.286	250	12/12/2017 17:18	WG1051921
Trichlorofluoromethane	U		0.109	1.43	250	12/12/2017 17:18	WG1051921
1,2,3-Trichloropropane	U UJ	J0	0.212	0.715	250	12/12/2017 17:18	WG1051921
1,2,4-Trimethylbenzene	U		0.0604	0.286	250	12/12/2017 17:18	WG1051921
1,2,3-Trimethylbenzene	U		0.0821	0.286	250	12/12/2017 17:18	WG1051921
1,3,5-Trimethylbenzene	U		0.0761	0.286	250	12/12/2017 17:18	WG1051921
Vinyl acetate	U		0.684	2.86	250	12/12/2017 17:18	WG1051921
Vinyl chloride	U		0.0833	0.286	250	12/12/2017 17:18	WG1051921
Xylenes, Total	U		0.199	0.858	250	12/12/2017 17:18	WG1051921
(S) Toluene-d8	*98.7*			*80.0-120*		*12/12/2017 17:18*	WG1051921
(S) Dibromofluoromethane	*101*			*74.0-131*		*12/12/2017 17:18*	WG1051921
(S) 4-Bromofluorobenzene	*98.6*			*64.0-132*		*12/12/2017 17:18*	WG1051921

Sample Narrative:

L956226-09 WG1051921: Cannot be analyzed at a lower dilution due to high levels of target analytes.

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

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	89.6		1	12/13/2017 13:32	WG1052966

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		11.2	55.8	1000	12/11/2017 07:15	WG1051921
Acrylonitrile	U		2.00	11.2	1000	12/11/2017 07:15	WG1051921
Benzene	U		0.301	1.12	1000	12/11/2017 07:15	WG1051921
Bromobenzene	U		0.317	1.12	1000	12/11/2017 07:15	WG1051921
Bromodichloromethane	U		0.283	1.12	1000	12/11/2017 07:15	WG1051921
Bromochloromethane	U		0.435	5.58	1000	12/11/2017 07:15	WG1051921
Bromoform	U		0.473	1.12	1000	12/11/2017 07:15	WG1051921
Bromomethane	U		1.50	5.58	1000	12/11/2017 07:15	WG1051921
n-Butylbenzene	U		0.288	1.12	1000	12/11/2017 07:15	WG1051921
sec-Butylbenzene	U		0.224	1.12	1000	12/11/2017 07:15	WG1051921
tert-Butylbenzene	U		0.230	1.12	1000	12/11/2017 07:15	WG1051921
Carbon disulfide	U		0.247	1.12	1000	12/11/2017 07:15	WG1051921
Carbon tetrachloride	U		0.366	1.12	1000	12/11/2017 07:15	WG1051921
Chlorobenzene	U		0.237	1.12	1000	12/11/2017 07:15	WG1051921
Chlorodibromomethane	U		0.416	1.12	1000	12/11/2017 07:15	WG1051921
Chloroethane	U		1.06	5.58	1000	12/11/2017 07:15	WG1051921
Chloroform	U		0.256	5.58	1000	12/11/2017 07:15	WG1051921
Chloromethane	U		0.418	2.79	1000	12/11/2017 07:15	WG1051921
2-Chlorotoluene	U		0.336	1.12	1000	12/11/2017 07:15	WG1051921
4-Chlorotoluene	U		0.268	1.12	1000	12/11/2017 07:15	WG1051921
1,2-Dibromo-3-Chloropropane	U		1.17	5.58	1000	12/11/2017 07:15	WG1051921
1,2-Dibromoethane	U		0.383	1.12	1000	12/11/2017 07:15	WG1051921
Dibromomethane	U		0.426	1.12	1000	12/11/2017 07:15	WG1051921
1,2-Dichlorobenzene	U		0.340	1.12	1000	12/11/2017 07:15	WG1051921
1,3-Dichlorobenzene	U		0.267	1.12	1000	12/11/2017 07:15	WG1051921
1,4-Dichlorobenzene	U		0.252	1.12	1000	12/11/2017 07:15	WG1051921
Dichlorodifluoromethane	U		0.796	5.58	1000	12/11/2017 07:15	WG1051921
1,1-Dichloroethane	U		0.222	1.12	1000	12/11/2017 07:15	WG1051921
1,2-Dichloroethane	U		0.296	1.12	1000	12/11/2017 07:15	WG1051921
1,1-Dichloroethene	U		0.338	1.12	1000	12/11/2017 07:15	WG1051921
cis-1,2-Dichloroethene	U		0.262	1.12	1000	12/11/2017 07:15	WG1051921
trans-1,2-Dichloroethene	U		0.295	1.12	1000	12/11/2017 07:15	WG1051921
1,2-Dichloropropane	U		0.399	1.12	1000	12/11/2017 07:15	WG1051921
1,1-Dichloropropene	U		0.354	1.12	1000	12/11/2017 07:15	WG1051921
1,3-Dichloropropane	U		0.231	1.12	1000	12/11/2017 07:15	WG1051921
cis-1,3-Dichloropropene	U		0.292	1.12	1000	12/11/2017 07:15	WG1051921
trans-1,3-Dichloropropene	U		0.298	1.12	1000	12/11/2017 07:15	WG1051921
trans-1,4-Dichloro-2-butene	U UJ	J0	0.868	2.79	1000	12/11/2017 07:15	WG1051921
2,2-Dichloropropane	U	J4	0.311	1.12	1000	12/11/2017 07:15	WG1051921
Di-isopropyl ether	U		0.277	1.12	1000	12/11/2017 07:15	WG1051921
Ethylbenzene	U		0.331	1.12	1000	12/11/2017 07:15	WG1051921
Hexachloro-1,3-butadiene	U		0.382	1.12	1000	12/11/2017 07:15	WG1051921
2-Hexanone	U		1.53	11.2	1000	12/11/2017 07:15	WG1051921
n-Hexane	U		0.324	11.2	1000	12/11/2017 07:15	WG1051921
Iodomethane	U		2.82	11.2	1000	12/11/2017 07:15	WG1051921
Isopropylbenzene	U		0.271	1.12	1000	12/11/2017 07:15	WG1051921
p-Isopropyltoluene	U		0.228	1.12	1000	12/11/2017 07:15	WG1051921
2-Butanone (MEK)	U		5.22	11.2	1000	12/11/2017 07:15	WG1051921
Methylene Chloride	U		1.12	5.58	1000	12/11/2017 07:15	WG1051921
4-Methyl-2-pentanone (MIBK)	U		2.10	11.2	1000	12/11/2017 07:15	WG1051921

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.237	1.12	1000	12/11/2017 07:15	WG1051921
Naphthalene	U		1.12	5.58	1000	12/11/2017 07:15	WG1051921
n-Propylbenzene	U		0.230	1.12	1000	12/11/2017 07:15	WG1051921
Styrene	U		0.261	1.12	1000	12/11/2017 07:15	WG1051921
1,1,1,2-Tetrachloroethane	U		0.295	1.12	1000	12/11/2017 07:15	WG1051921
1,1,2,2-Tetrachloroethane	U		0.407	1.12	1000	12/11/2017 07:15	WG1051921
1,1,2-Trichlorotrifluoroethane	U		0.407	1.12	1000	12/11/2017 07:15	WG1051921
Tetrachloroethene	156		1.54	5.58	5000	12/12/2017 18:22	WG1051921
Toluene	U		0.484	5.58	1000	12/11/2017 07:15	WG1051921
1,2,3-Trichlorobenzene	U		0.341	1.12	1000	12/11/2017 07:15	WG1051921
1,2,4-Trichlorobenzene	U		0.433	1.12	1000	12/11/2017 07:15	WG1051921
1,1,1-Trichloroethane	U		0.319	1.12	1000	12/11/2017 07:15	WG1051921
1,1,2-Trichloroethane	U		0.309	1.12	1000	12/11/2017 07:15	WG1051921
Trichloroethene	U		0.311	1.12	1000	12/11/2017 07:15	WG1051921
Trichlorofluoromethane	U		0.426	5.58	1000	12/11/2017 07:15	WG1051921
1,2,3-Trichloropropane	U		0.827	2.79	1000	12/11/2017 07:15	WG1051921
1,2,4-Trimethylbenzene	U		0.235	1.12	1000	12/11/2017 07:15	WG1051921
1,2,3-Trimethylbenzene	U		0.320	1.12	1000	12/11/2017 07:15	WG1051921
1,3,5-Trimethylbenzene	U		0.297	1.12	1000	12/11/2017 07:15	WG1051921
Vinyl acetate	U		2.67	11.2	1000	12/11/2017 07:15	WG1051921
Vinyl chloride	U		0.325	1.12	1000	12/11/2017 07:15	WG1051921
Xylenes, Total	U		0.779	3.35	1000	12/11/2017 07:15	WG1051921
(S) Toluene-d8	*97.5*			*80.0-120*		*12/11/2017 07:15*	WG1051921
(S) Toluene-d8	*99.6*			*80.0-120*		*12/12/2017 18:22*	WG1051921
(S) Dibromofluoromethane	*100*			*74.0-131*		*12/11/2017 07:15*	WG1051921
(S) Dibromofluoromethane	*101*			*74.0-131*		*12/12/2017 18:22*	WG1051921
(S) 4-Bromofluorobenzene	*98.6*			*64.0-132*		*12/11/2017 07:15*	WG1051921
(S) 4-Bromofluorobenzene	*98.8*			*64.0-132*		*12/12/2017 18:22*	WG1051921

Sample Narrative:

L956226-10 WG1051921: Cannot be analyzed at a lower dilution due to high levels of target analytes.

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	89.4		1	12/13/2017 13:32	WG1052966

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0112	0.0559	1	12/11/2017 04:47	WG1051921
Acrylonitrile	U		0.00200	0.0112	1	12/11/2017 04:47	WG1051921
Benzene	U		0.000302	0.00112	1	12/11/2017 04:47	WG1051921
Bromobenzene	U		0.000318	0.00112	1	12/11/2017 04:47	WG1051921
Bromodichloromethane	U		0.000284	0.00112	1	12/11/2017 04:47	WG1051921
Bromochloromethane	U		0.000436	0.00559	1	12/11/2017 04:47	WG1051921
Bromoform	U		0.000474	0.00112	1	12/11/2017 04:47	WG1051921
Bromomethane	U		0.00150	0.00559	1	12/11/2017 04:47	WG1051921
n-Butylbenzene	U		0.000288	0.00112	1	12/11/2017 04:47	WG1051921
sec-Butylbenzene	U		0.000225	0.00112	1	12/11/2017 04:47	WG1051921
tert-Butylbenzene	U		0.000230	0.00112	1	12/11/2017 04:47	WG1051921
Carbon disulfide	U		0.000247	0.00112	1	12/11/2017 04:47	WG1051921
Carbon tetrachloride	U		0.000367	0.00112	1	12/11/2017 04:47	WG1051921
Chlorobenzene	U		0.000237	0.00112	1	12/11/2017 04:47	WG1051921
Chlorodibromomethane	U		0.000417	0.00112	1	12/11/2017 04:47	WG1051921
Chloroethane	0.00393 J	J	0.00106	0.00559	1	12/11/2017 04:47	WG1051921
Chloroform	U		0.000256	0.00559	1	12/11/2017 04:47	WG1051921
Chloromethane	U		0.000419	0.00280	1	12/11/2017 04:47	WG1051921
2-Chlorotoluene	U		0.000337	0.00112	1	12/11/2017 04:47	WG1051921
4-Chlorotoluene	U		0.000268	0.00112	1	12/11/2017 04:47	WG1051921
1,2-Dibromo-3-Chloropropane	U		0.00117	0.00559	1	12/11/2017 04:47	WG1051921
1,2-Dibromoethane	U		0.000384	0.00112	1	12/11/2017 04:47	WG1051921
Dibromomethane	U		0.000427	0.00112	1	12/11/2017 04:47	WG1051921
1,2-Dichlorobenzene	U		0.000341	0.00112	1	12/11/2017 04:47	WG1051921
1,3-Dichlorobenzene	U		0.000267	0.00112	1	12/11/2017 04:47	WG1051921
1,4-Dichlorobenzene	U		0.000253	0.00112	1	12/11/2017 04:47	WG1051921
Dichlorodifluoromethane	U		0.000797	0.00559	1	12/11/2017 04:47	WG1051921
1,1-Dichloroethane	U		0.000223	0.00112	1	12/11/2017 04:47	WG1051921
1,2-Dichloroethane	U		0.000296	0.00112	1	12/11/2017 04:47	WG1051921
1,1-Dichloroethene	0.00340		0.000339	0.00112	1	12/11/2017 04:47	WG1051921
cis-1,2-Dichloroethene	0.375		0.00658	0.0280	25	12/12/2017 15:33	WG1051921
trans-1,2-Dichloroethene	0.00236		0.000295	0.00112	1	12/11/2017 04:47	WG1051921
1,2-Dichloropropane	U		0.000400	0.00112	1	12/11/2017 04:47	WG1051921
1,1-Dichloropropene	U		0.000354	0.00112	1	12/11/2017 04:47	WG1051921
1,3-Dichloropropane	U		0.000231	0.00112	1	12/11/2017 04:47	WG1051921
cis-1,3-Dichloropropene	U		0.000293	0.00112	1	12/11/2017 04:47	WG1051921
trans-1,3-Dichloropropene	U		0.000299	0.00112	1	12/11/2017 04:47	WG1051921
trans-1,4-Dichloro-2-butene	U UJ	J0	0.000870	0.00280	1	12/11/2017 04:47	WG1051921
2,2-Dichloropropane	U	J4	0.000312	0.00112	1	12/11/2017 04:47	WG1051921
Di-isopropyl ether	U		0.000277	0.00112	1	12/11/2017 04:47	WG1051921
Ethylbenzene	U		0.000332	0.00112	1	12/11/2017 04:47	WG1051921
Hexachloro-1,3-butadiene	U		0.000382	0.00112	1	12/11/2017 04:47	WG1051921
2-Hexanone	U		0.00153	0.0112	1	12/11/2017 04:47	WG1051921
n-Hexane	U		0.000324	0.0112	1	12/11/2017 04:47	WG1051921
Iodomethane	U		0.00283	0.0112	1	12/11/2017 04:47	WG1051921
Isopropylbenzene	U		0.000272	0.00112	1	12/11/2017 04:47	WG1051921
p-Isopropyltoluene	U		0.000228	0.00112	1	12/11/2017 04:47	WG1051921
2-Butanone (MEK)	U		0.00523	0.0112	1	12/11/2017 04:47	WG1051921
Methylene Chloride	U		0.00112	0.00559	1	12/11/2017 04:47	WG1051921
4-Methyl-2-pentanone (MIBK)	U		0.00210	0.0112	1	12/11/2017 04:47	WG1051921

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

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000237	0.00112	1	12/11/2017 04:47	WG1051921
Naphthalene	U		0.00112	0.00559	1	12/11/2017 04:47	WG1051921
n-Propylbenzene	U		0.000230	0.00112	1	12/11/2017 04:47	WG1051921
Styrene	U		0.000262	0.00112	1	12/11/2017 04:47	WG1051921
1,1,1,2-Tetrachloroethane	U		0.000295	0.00112	1	12/11/2017 04:47	WG1051921
1,1,2,2-Tetrachloroethane	U		0.000408	0.00112	1	12/11/2017 04:47	WG1051921
1,1,2-Trichlorotrifluoroethane	U		0.000408	0.00112	1	12/11/2017 04:47	WG1051921
Tetrachloroethene	3.04		0.00772	0.0280	25	12/12/2017 15:33	WG1051921
Toluene	U		0.000485	0.00559	1	12/11/2017 04:47	WG1051921
1,2,3-Trichlorobenzene	U		0.000342	0.00112	1	12/11/2017 04:47	WG1051921
1,2,4-Trichlorobenzene	U		0.000434	0.00112	1	12/11/2017 04:47	WG1051921
1,1,1-Trichloroethane	U		0.000320	0.00112	1	12/11/2017 04:47	WG1051921
1,1,2-Trichloroethane	U		0.000310	0.00112	1	12/11/2017 04:47	WG1051921
Trichloroethene	0.303		0.00781	0.0280	25	12/12/2017 15:33	WG1051921
Trichlorofluoromethane	U		0.000427	0.00559	1	12/11/2017 04:47	WG1051921
1,2,3-Trichloropropane	U		0.000829	0.00280	1	12/11/2017 04:47	WG1051921
1,2,4-Trimethylbenzene	U		0.000236	0.00112	1	12/11/2017 04:47	WG1051921
1,2,3-Trimethylbenzene	U		0.000321	0.00112	1	12/11/2017 04:47	WG1051921
1,3,5-Trimethylbenzene	U		0.000297	0.00112	1	12/11/2017 04:47	WG1051921
Vinyl acetate	U		0.00267	0.0112	1	12/11/2017 04:47	WG1051921
Vinyl chloride	0.0375		0.000325	0.00112	1	12/11/2017 04:47	WG1051921
Xylenes, Total	U		0.000781	0.00335	1	12/11/2017 04:47	WG1051921
(S) Toluene-d8	*88.9*			*80.0-120*		*12/11/2017 04:47*	WG1051921
(S) Toluene-d8	*104*			*80.0-120*		*12/12/2017 15:33*	WG1051921
(S) Dibromofluoromethane	*97.3*			*74.0-131*		*12/12/2017 15:33*	WG1051921
(S) Dibromofluoromethane	*106*			*74.0-131*		*12/11/2017 04:47*	WG1051921
(S) 4-Bromofluorobenzene	*97.3*			*64.0-132*		*12/12/2017 15:33*	WG1051921
(S) 4-Bromofluorobenzene	*98.7*			*64.0-132*		*12/11/2017 04:47*	WG1051921

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	94.3		1	12/13/2017 13:32	WG1052966

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0106	0.0530	1	12/11/2017 05:08	WG1051921
Acrylonitrile	U		0.00190	0.0106	1	12/11/2017 05:08	WG1051921
Benzene	U		0.000286	0.00106	1	12/11/2017 05:08	WG1051921
Bromobenzene	U		0.000301	0.00106	1	12/11/2017 05:08	WG1051921
Bromodichloromethane	U		0.000269	0.00106	1	12/11/2017 05:08	WG1051921
Bromochloromethane	U		0.000413	0.00530	1	12/11/2017 05:08	WG1051921
Bromoform	U		0.000449	0.00106	1	12/11/2017 05:08	WG1051921
Bromomethane	U		0.00142	0.00530	1	12/11/2017 05:08	WG1051921
n-Butylbenzene	U		0.000274	0.00106	1	12/11/2017 05:08	WG1051921
sec-Butylbenzene	U		0.000213	0.00106	1	12/11/2017 05:08	WG1051921
tert-Butylbenzene	U		0.000218	0.00106	1	12/11/2017 05:08	WG1051921
Carbon disulfide	U		0.000234	0.00106	1	12/11/2017 05:08	WG1051921
Carbon tetrachloride	U		0.000348	0.00106	1	12/11/2017 05:08	WG1051921
Chlorobenzene	U		0.000225	0.00106	1	12/11/2017 05:08	WG1051921
Chlorodibromomethane	U		0.000395	0.00106	1	12/11/2017 05:08	WG1051921
Chloroethane	U		0.00100	0.00530	1	12/11/2017 05:08	WG1051921
Chloroform	U		0.000243	0.00530	1	12/11/2017 05:08	WG1051921
Chloromethane	U		0.000398	0.00265	1	12/11/2017 05:08	WG1051921
2-Chlorotoluene	U		0.000319	0.00106	1	12/11/2017 05:08	WG1051921
4-Chlorotoluene	U		0.000254	0.00106	1	12/11/2017 05:08	WG1051921
1,2-Dibromo-3-Chloropropane	U		0.00111	0.00530	1	12/11/2017 05:08	WG1051921
1,2-Dibromoethane	U		0.000364	0.00106	1	12/11/2017 05:08	WG1051921
Dibromomethane	U		0.000405	0.00106	1	12/11/2017 05:08	WG1051921
1,2-Dichlorobenzene	U		0.000323	0.00106	1	12/11/2017 05:08	WG1051921
1,3-Dichlorobenzene	U		0.000253	0.00106	1	12/11/2017 05:08	WG1051921
1,4-Dichlorobenzene	U		0.000240	0.00106	1	12/11/2017 05:08	WG1051921
Dichlorodifluoromethane	U		0.000756	0.00530	1	12/11/2017 05:08	WG1051921
1,1-Dichloroethane	U		0.000211	0.00106	1	12/11/2017 05:08	WG1051921
1,2-Dichloroethane	U		0.000281	0.00106	1	12/11/2017 05:08	WG1051921
1,1-Dichloroethene	0.000506 J	J	0.000321	0.00106	1	12/11/2017 05:08	WG1051921
cis-1,2-Dichloroethene	0.0572		0.000249	0.00106	1	12/11/2017 05:08	WG1051921
trans-1,2-Dichloroethene	0.000537 J	J	0.000280	0.00106	1	12/11/2017 05:08	WG1051921
1,2-Dichloropropane	U		0.000380	0.00106	1	12/11/2017 05:08	WG1051921
1,1-Dichloropropene	U		0.000336	0.00106	1	12/11/2017 05:08	WG1051921
1,3-Dichloropropane	U		0.000219	0.00106	1	12/11/2017 05:08	WG1051921
cis-1,3-Dichloropropene	U		0.000278	0.00106	1	12/11/2017 05:08	WG1051921
trans-1,3-Dichloropropene	U		0.000283	0.00106	1	12/11/2017 05:08	WG1051921
trans-1,4-Dichloro-2-butene	U UJ	J0	0.000825	0.00265	1	12/11/2017 05:08	WG1051921
2,2-Dichloropropane	U	J4	0.000296	0.00106	1	12/11/2017 05:08	WG1051921
Di-isopropyl ether	U		0.000263	0.00106	1	12/11/2017 05:08	WG1051921
Ethylbenzene	U		0.000315	0.00106	1	12/11/2017 05:08	WG1051921
Hexachloro-1,3-butadiene	U		0.000363	0.00106	1	12/11/2017 05:08	WG1051921
2-Hexanone	U		0.00145	0.0106	1	12/11/2017 05:08	WG1051921
n-Hexane	U		0.000307	0.0106	1	12/11/2017 05:08	WG1051921
Iodomethane	U		0.00268	0.0106	1	12/11/2017 05:08	WG1051921
Isopropylbenzene	U		0.000258	0.00106	1	12/11/2017 05:08	WG1051921
p-Isopropyltoluene	U		0.000216	0.00106	1	12/11/2017 05:08	WG1051921
2-Butanone (MEK)	U		0.00496	0.0106	1	12/11/2017 05:08	WG1051921
Methylene Chloride	U		0.00106	0.00530	1	12/11/2017 05:08	WG1051921
4-Methyl-2-pentanone (MIBK)	U		0.00199	0.0106	1	12/11/2017 05:08	WG1051921

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000225	0.00106	1	12/11/2017 05:08	WG1051921
Naphthalene	U		0.00106	0.00530	1	12/11/2017 05:08	WG1051921
n-Propylbenzene	U		0.000218	0.00106	1	12/11/2017 05:08	WG1051921
Styrene	U		0.000248	0.00106	1	12/11/2017 05:08	WG1051921
1,1,1,2-Tetrachloroethane	U		0.000280	0.00106	1	12/11/2017 05:08	WG1051921
1,1,2,2-Tetrachloroethane	U		0.000387	0.00106	1	12/11/2017 05:08	WG1051921
1,1,2-Trichlorotrifluoroethane	U		0.000387	0.00106	1	12/11/2017 05:08	WG1051921
Tetrachloroethene	1.02		0.00731	0.0265	25	12/12/2017 15:54	WG1051921
Toluene	U		0.000460	0.00530	1	12/11/2017 05:08	WG1051921
1,2,3-Trichlorobenzene	U		0.000324	0.00106	1	12/11/2017 05:08	WG1051921
1,2,4-Trichlorobenzene	U		0.000411	0.00106	1	12/11/2017 05:08	WG1051921
1,1,1-Trichloroethane	U		0.000303	0.00106	1	12/11/2017 05:08	WG1051921
1,1,2-Trichloroethane	U		0.000294	0.00106	1	12/11/2017 05:08	WG1051921
Trichloroethene	0.0375		0.000296	0.00106	1	12/11/2017 05:08	WG1051921
Trichlorofluoromethane	U		0.000405	0.00530	1	12/11/2017 05:08	WG1051921
1,2,3-Trichloropropane	U		0.000786	0.00265	1	12/11/2017 05:08	WG1051921
1,2,4-Trimethylbenzene	U		0.000224	0.00106	1	12/11/2017 05:08	WG1051921
1,2,3-Trimethylbenzene	U		0.000304	0.00106	1	12/11/2017 05:08	WG1051921
1,3,5-Trimethylbenzene	U		0.000282	0.00106	1	12/11/2017 05:08	WG1051921
Vinyl acetate	U		0.00253	0.0106	1	12/11/2017 05:08	WG1051921
Vinyl chloride	0.0210		0.000308	0.00106	1	12/11/2017 05:08	WG1051921
Xylenes, Total	U		0.000740	0.00318	1	12/11/2017 05:08	WG1051921
(S) Toluene-d8	*90.8*			*80.0-120*		*12/11/2017 05:08*	WG1051921
(S) Toluene-d8	*101*			*80.0-120*		*12/12/2017 15:54*	WG1051921
(S) Dibromofluoromethane	*107*			*74.0-131*		*12/11/2017 05:08*	WG1051921
(S) Dibromofluoromethane	*97.7*			*74.0-131*		*12/12/2017 15:54*	WG1051921
(S) 4-Bromofluorobenzene	*96.2*			*64.0-132*		*12/12/2017 15:54*	WG1051921
(S) 4-Bromofluorobenzene	*97.9*			*64.0-132*		*12/11/2017 05:08*	WG1051921

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	85.4		1	12/13/2017 13:32	WG1052966

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0117	0.0586	1	12/11/2017 05:29	WG1051921
Acrylonitrile	U		0.00210	0.0117	1	12/11/2017 05:29	WG1051921
Benzene	U		0.000316	0.00117	1	12/11/2017 05:29	WG1051921
Bromobenzene	U		0.000333	0.00117	1	12/11/2017 05:29	WG1051921
Bromodichloromethane	U		0.000297	0.00117	1	12/11/2017 05:29	WG1051921
Bromochloromethane	U		0.000457	0.00586	1	12/11/2017 05:29	WG1051921
Bromoform	U		0.000497	0.00117	1	12/11/2017 05:29	WG1051921
Bromomethane	U		0.00157	0.00586	1	12/11/2017 05:29	WG1051921
n-Butylbenzene	U		0.000302	0.00117	1	12/11/2017 05:29	WG1051921
sec-Butylbenzene	U		0.000235	0.00117	1	12/11/2017 05:29	WG1051921
tert-Butylbenzene	U		0.000241	0.00117	1	12/11/2017 05:29	WG1051921
Carbon disulfide	0.000486 J	J	0.000259	0.00117	1	12/11/2017 05:29	WG1051921
Carbon tetrachloride	U		0.000384	0.00117	1	12/11/2017 05:29	WG1051921
Chlorobenzene	U		0.000248	0.00117	1	12/11/2017 05:29	WG1051921
Chlorodibromomethane	U		0.000437	0.00117	1	12/11/2017 05:29	WG1051921
Chloroethane	U		0.00111	0.00586	1	12/11/2017 05:29	WG1051921
Chloroform	U		0.000268	0.00586	1	12/11/2017 05:29	WG1051921
Chloromethane	U		0.000439	0.00293	1	12/11/2017 05:29	WG1051921
2-Chlorotoluene	U		0.000353	0.00117	1	12/11/2017 05:29	WG1051921
4-Chlorotoluene	U		0.000281	0.00117	1	12/11/2017 05:29	WG1051921
1,2-Dibromo-3-Chloropropane	U		0.00123	0.00586	1	12/11/2017 05:29	WG1051921
1,2-Dibromoethane	U		0.000402	0.00117	1	12/11/2017 05:29	WG1051921
Dibromomethane	U		0.000447	0.00117	1	12/11/2017 05:29	WG1051921
1,2-Dichlorobenzene	U		0.000357	0.00117	1	12/11/2017 05:29	WG1051921
1,3-Dichlorobenzene	U		0.000280	0.00117	1	12/11/2017 05:29	WG1051921
1,4-Dichlorobenzene	U		0.000265	0.00117	1	12/11/2017 05:29	WG1051921
Dichlorodifluoromethane	U		0.000835	0.00586	1	12/11/2017 05:29	WG1051921
1,1-Dichloroethane	U		0.000233	0.00117	1	12/11/2017 05:29	WG1051921
1,2-Dichloroethane	U		0.000310	0.00117	1	12/11/2017 05:29	WG1051921
1,1-Dichloroethene	0.000670 J	J	0.000355	0.00117	1	12/11/2017 05:29	WG1051921
cis-1,2-Dichloroethene	0.0928		0.000275	0.00117	1	12/11/2017 05:29	WG1051921
trans-1,2-Dichloroethene	0.000500 J	J	0.000309	0.00117	1	12/11/2017 05:29	WG1051921
1,2-Dichloropropane	U		0.000419	0.00117	1	12/11/2017 05:29	WG1051921
1,1-Dichloropropene	U		0.000371	0.00117	1	12/11/2017 05:29	WG1051921
1,3-Dichloropropane	U		0.000242	0.00117	1	12/11/2017 05:29	WG1051921
cis-1,3-Dichloropropene	U		0.000307	0.00117	1	12/11/2017 05:29	WG1051921
trans-1,3-Dichloropropene	U		0.000313	0.00117	1	12/11/2017 05:29	WG1051921
trans-1,4-Dichloro-2-butene	U UJ	J0	0.000911	0.00293	1	12/11/2017 05:29	WG1051921
2,2-Dichloropropane	U	J4	0.000327	0.00117	1	12/11/2017 05:29	WG1051921
Di-isopropyl ether	U		0.000290	0.00117	1	12/11/2017 05:29	WG1051921
Ethylbenzene	U		0.000348	0.00117	1	12/11/2017 05:29	WG1051921
Hexachloro-1,3-butadiene	U		0.000401	0.00117	1	12/11/2017 05:29	WG1051921
2-Hexanone	U		0.00160	0.0117	1	12/11/2017 05:29	WG1051921
n-Hexane	U		0.000340	0.0117	1	12/11/2017 05:29	WG1051921
Iodomethane	U		0.00296	0.0117	1	12/11/2017 05:29	WG1051921
Isopropylbenzene	U		0.000285	0.00117	1	12/11/2017 05:29	WG1051921
p-Isopropyltoluene	U		0.000239	0.00117	1	12/11/2017 05:29	WG1051921
2-Butanone (MEK)	U		0.00548	0.0117	1	12/11/2017 05:29	WG1051921
Methylene Chloride	U		0.00117	0.00586	1	12/11/2017 05:29	WG1051921
4-Methyl-2-pentanone (MIBK)	U		0.00220	0.0117	1	12/11/2017 05:29	WG1051921

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000248	0.00117	1	12/11/2017 05:29	WG1051921
Naphthalene	U		0.00117	0.00586	1	12/11/2017 05:29	WG1051921
n-Propylbenzene	U		0.000241	0.00117	1	12/11/2017 05:29	WG1051921
Styrene	U		0.000274	0.00117	1	12/11/2017 05:29	WG1051921
1,1,1,2-Tetrachloroethane	U		0.000309	0.00117	1	12/11/2017 05:29	WG1051921
1,1,2,2-Tetrachloroethane	U		0.000427	0.00117	1	12/11/2017 05:29	WG1051921
1,1,2-Trichlorotrifluoroethane	U		0.000427	0.00117	1	12/11/2017 05:29	WG1051921
Tetrachloroethene	4.04		0.0162	0.0586	50	12/12/2017 16:36	WG1051921
Toluene	U		0.000508	0.00586	1	12/11/2017 05:29	WG1051921
1,2,3-Trichlorobenzene	U		0.000358	0.00117	1	12/11/2017 05:29	WG1051921
1,2,4-Trichlorobenzene	U		0.000454	0.00117	1	12/11/2017 05:29	WG1051921
1,1,1-Trichloroethane	U		0.000335	0.00117	1	12/11/2017 05:29	WG1051921
1,1,2-Trichloroethane	U		0.000324	0.00117	1	12/11/2017 05:29	WG1051921
Trichloroethene	0.0399		0.000327	0.00117	1	12/11/2017 05:29	WG1051921
Trichlorofluoromethane	U		0.000447	0.00586	1	12/11/2017 05:29	WG1051921
1,2,3-Trichloropropane	U		0.000868	0.00293	1	12/11/2017 05:29	WG1051921
1,2,4-Trimethylbenzene	U		0.000247	0.00117	1	12/11/2017 05:29	WG1051921
1,2,3-Trimethylbenzene	U		0.000336	0.00117	1	12/11/2017 05:29	WG1051921
1,3,5-Trimethylbenzene	U		0.000312	0.00117	1	12/11/2017 05:29	WG1051921
Vinyl acetate	U		0.00280	0.0117	1	12/11/2017 05:29	WG1051921
Vinyl chloride	0.0328		0.000341	0.00117	1	12/11/2017 05:29	WG1051921
Xylenes, Total	U		0.000817	0.00351	1	12/11/2017 05:29	WG1051921
(S) Toluene-d8	*91.6*			*80.0-120*		*12/11/2017 05:29*	WG1051921
(S) Toluene-d8	*98.8*			*80.0-120*		*12/12/2017 16:36*	WG1051921
(S) Dibromofluoromethane	*108*			*74.0-131*		*12/11/2017 05:29*	WG1051921
(S) Dibromofluoromethane	*95.2*			*74.0-131*		*12/12/2017 16:36*	WG1051921
(S) 4-Bromofluorobenzene	*96.4*			*64.0-132*		*12/12/2017 16:36*	WG1051921
(S) 4-Bromofluorobenzene	*103*			*64.0-132*		*12/11/2017 05:29*	WG1051921

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

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	ug/l		ug/l	ug/l		date / time	
Acetone	2.64	J	1.05	25.0	1	12/13/2017 14:22	WG1053020
Acrylonitrile	U		0.873	5.00	1	12/13/2017 14:22	WG1053020
Benzene	U		0.0896	0.500	1	12/13/2017 14:22	WG1053020
Bromobenzene	U		0.133	0.500	1	12/13/2017 14:22	WG1053020
Bromodichloromethane	U		0.0800	0.500	1	12/13/2017 14:22	WG1053020
Bromochloromethane	U		0.145	0.500	1	12/13/2017 14:22	WG1053020
Bromoform	U		0.186	0.500	1	12/13/2017 14:22	WG1053020
Bromomethane	U		0.157	2.50	1	12/13/2017 14:22	WG1053020
n-Butylbenzene	U		0.143	0.500	1	12/13/2017 14:22	WG1053020
sec-Butylbenzene	U		0.134	0.500	1	12/13/2017 14:22	WG1053020
tert-Butylbenzene	U		0.183	0.500	1	12/13/2017 14:22	WG1053020
Carbon disulfide	U		0.101	0.500	1	12/13/2017 14:22	WG1053020
Carbon tetrachloride	U		0.159	0.500	1	12/13/2017 14:22	WG1053020
Chlorobenzene	U		0.140	0.500	1	12/13/2017 14:22	WG1053020
Chlorodibromomethane	U		0.128	0.500	1	12/13/2017 14:22	WG1053020
Chloroethane	U		0.141	2.50	1	12/13/2017 14:22	WG1053020
Chloroform	U		0.0860	0.500	1	12/13/2017 14:22	WG1053020
Chloromethane	U		0.153	1.25	1	12/13/2017 14:22	WG1053020
2-Chlorotoluene	U		0.111	0.500	1	12/13/2017 14:22	WG1053020
4-Chlorotoluene	U		0.0972	0.500	1	12/13/2017 14:22	WG1053020
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	12/13/2017 14:22	WG1053020
1,2-Dibromoethane	U		0.193	0.500	1	12/13/2017 14:22	WG1053020
Dibromomethane	U		0.117	0.500	1	12/13/2017 14:22	WG1053020
1,2-Dichlorobenzene	U		0.101	0.500	1	12/13/2017 14:22	WG1053020
1,3-Dichlorobenzene	U		0.130	0.500	1	12/13/2017 14:22	WG1053020
1,4-Dichlorobenzene	U		0.121	0.500	1	12/13/2017 14:22	WG1053020
Dichlorodifluoromethane	U		0.127	2.50	1	12/13/2017 14:22	WG1053020
1,1-Dichloroethane	U		0.114	0.500	1	12/13/2017 14:22	WG1053020
1,2-Dichloroethane	U		0.108	0.500	1	12/13/2017 14:22	WG1053020
1,1-Dichloroethene	U		0.188	0.500	1	12/13/2017 14:22	WG1053020
cis-1,2-Dichloroethene	U		0.0933	0.500	1	12/13/2017 14:22	WG1053020
trans-1,2-Dichloroethene	U		0.152	0.500	1	12/13/2017 14:22	WG1053020
1,2-Dichloropropane	U		0.190	0.500	1	12/13/2017 14:22	WG1053020
1,1-Dichloropropene	U		0.128	0.500	1	12/13/2017 14:22	WG1053020
1,3-Dichloropropane	U		0.147	1.00	1	12/13/2017 14:22	WG1053020
cis-1,3-Dichloropropene	U		0.0976	0.500	1	12/13/2017 14:22	WG1053020
trans-1,3-Dichloropropene	U		0.222	0.500	1	12/13/2017 14:22	WG1053020
trans-1,4-Dichloro-2-butene	U	J4	0.257	5.00	1	12/14/2017 05:54	WG1053020
2,2-Dichloropropane	U		0.0929	0.500	1	12/13/2017 14:22	WG1053020
Di-isopropyl ether	U		0.0924	0.500	1	12/13/2017 14:22	WG1053020
Ethylbenzene	U		0.158	0.500	1	12/13/2017 14:22	WG1053020
Hexachloro-1,3-butadiene	U		0.157	1.00	1	12/13/2017 14:22	WG1053020
2-Hexanone	U		0.757	5.00	1	12/13/2017 14:22	WG1053020
n-Hexane	U		0.305	5.00	1	12/13/2017 14:22	WG1053020
Iodomethane	U		0.377	10.0	1	12/13/2017 14:22	WG1053020
Isopropylbenzene	U		0.126	0.500	1	12/13/2017 14:22	WG1053020
p-Isopropyltoluene	U		0.138	0.500	1	12/13/2017 14:22	WG1053020
2-Butanone (MEK)	U		1.28	5.00	1	12/13/2017 14:22	WG1053020
Methylene Chloride	U		1.07	2.50	1	12/13/2017 14:22	WG1053020
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	12/13/2017 14:22	WG1053020
Methyl tert-butyl ether	U		0.102	0.500	1	12/13/2017 14:22	WG1053020
Naphthalene	U		0.174	2.50	1	12/13/2017 14:22	WG1053020
n-Propylbenzene	U		0.162	0.500	1	12/13/2017 14:22	WG1053020
Styrene	U		0.117	0.500	1	12/13/2017 14:22	WG1053020
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	12/13/2017 14:22	WG1053020
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	12/13/2017 14:22	WG1053020

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	12/13/2017 14:22	WG1053020
Tetrachloroethene	U		0.199	0.500	1	12/13/2017 14:22	WG1053020
Toluene	U		0.412	0.500	1	12/13/2017 14:22	WG1053020
1,2,3-Trichlorobenzene	U		0.164	0.500	1	12/13/2017 14:22	WG1053020
1,2,4-Trichlorobenzene	U		0.355	0.500	1	12/13/2017 14:22	WG1053020
1,1,1-Trichloroethane	U		0.0940	0.500	1	12/13/2017 14:22	WG1053020
1,1,2-Trichloroethane	U		0.186	0.500	1	12/13/2017 14:22	WG1053020
Trichloroethene	U		0.153	0.500	1	12/13/2017 14:22	WG1053020
Trichlorofluoromethane	U		0.130	2.50	1	12/13/2017 14:22	WG1053020
1,2,3-Trichloropropane	U		0.247	2.50	1	12/13/2017 14:22	WG1053020
1,2,4-Trimethylbenzene	U		0.123	0.500	1	12/13/2017 14:22	WG1053020
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	12/13/2017 14:22	WG1053020
1,3,5-Trimethylbenzene	U		0.124	0.500	1	12/13/2017 14:22	WG1053020
Vinyl acetate	U		0.645	5.00	1	12/13/2017 14:22	WG1053020
Vinyl chloride	U		0.118	0.500	1	12/13/2017 14:22	WG1053020
Xylenes, Total	U		0.316	1.50	1	12/13/2017 14:22	WG1053020
(S) Toluene-d8	*109*			*80.0-120*		*12/14/2017 05:54*	WG1053020
(S) Toluene-d8	*103*			*80.0-120*		*12/13/2017 14:22*	WG1053020
(S) Dibromofluoromethane	*97.4*			*76.0-123*		*12/14/2017 05:54*	WG1053020
(S) Dibromofluoromethane	*98.3*			*76.0-123*		*12/13/2017 14:22*	WG1053020
(S) 4-Bromofluorobenzene	*99.0*			*80.0-120*		*12/13/2017 14:22*	WG1053020
(S) 4-Bromofluorobenzene	*105*			*80.0-120*		*12/14/2017 05:54*	WG1053020

From: J Compeau
To: Bill Haldeman
Subject: FW: SDG L956226 EASY Question
Date: Tuesday, December 26, 2017 11:52:21 AM
Attachments: image001.png

Communication record on L956226.

From: Brian Ford [mailto:BFord@esclabsciences.com]
Sent: Friday, December 22, 2017 10:31 AM
To: 'J Compeau'
Subject: RE: SDG L956226 EASY Question

Jessie,

You are correct, the vinyl chloride detection in -04 (B-237-42) is slightly above the upper calibration limit at a 1x dilution. The sample could not be re-analyzed at a dilution lower than 200x due to the large amounts of target analytes which would cause significant instrument contamination issues. Vinyl chloride was not-detect at the 200x dilution. Let me know if you need any additional information.

Thanks,

Brian Ford
Technical Service Representative
ESC Lab Sciences-a subsidiary of Pace Analytical
12065 Lebanon Road | Mt. Juliet, TN 37122
615.773.9772
bford@esclabsciences.com | www.esclabsciences.com

From: J Compeau [mailto:Informa_LLC@comcast.net]
Sent: Friday, December 22, 2017 12:17 PM
To: Brian Ford
Subject: SDG L956226 EASY Question

Hello Brian,

I am looking at L956226-04 sample result for VOCs. Vinyl chloride is E qualified by ESC – this seems like a pretty low level detection however ESC's RDLs are also very low. Just wanted to confirm that this detection exceeds ICAL range. I note that trichloroethene was reported with a 200X DF. In this case… was the 200X too big a dilution for VC?

Best wishes to ESC this holiday season!

Thanks,

Jessie Compeau
PES Environmental
(206) 849-8494

APPENDIX
J-5

ANALYTICAL DATA REPORTS AND

DATA VALIDATION REVIEW MEMOS

March 2018

ANALYTICAL REPORT

March 15, 2018

PES Environmental, Inc.- WA

Sample Delivery Group: L975879

Samples Received: 03/08/2018

Project Number: 1413.001.05.304

Description: American Linen Project

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

Entire Report Reviewed By: Brian Ford

Brian Ford
Technical Service Representative

12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.esclabsciences.com

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IW-27B-5 L975879-01 Solid

Collected by	Collected date/time	Received date/time
Rachel McLaughlin	03/02/18 09:05	03/08/18 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1083648	1	03/13/18 12:47	03/13/18 12:56	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1082449	1.15	03/02/18 09:05	03/09/18 00:00	BMB

IW-27B-15 L975879-02 Solid

Collected by	Collected date/time	Received date/time
Rachel McLaughlin	03/02/18 09:25	03/08/18 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1083648	1	03/13/18 12:47	03/13/18 12:56	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1082449	1	03/02/18 09:25	03/09/18 00:20	BMB

IW-27B-25 L975879-03 Solid

Collected by	Collected date/time	Received date/time
Rachel McLaughlin	03/02/18 09:45	03/08/18 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1083648	1	03/13/18 12:47	03/13/18 12:56	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1082449	1	03/02/18 09:45	03/09/18 00:40	BMB

IW-27B-35 L975879-04 Solid

Collected by	Collected date/time	Received date/time
Rachel McLaughlin	03/02/18 10:05	03/08/18 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1083648	1	03/13/18 12:47	03/13/18 12:56	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1082449	1	03/02/18 10:05	03/09/18 01:00	BMB

IW-21B-5 L975879-05 Solid

Collected by	Collected date/time	Received date/time
Rachel McLaughlin	03/06/18 08:38	03/08/18 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1083648	1	03/13/18 12:47	03/13/18 12:56	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1082449	1.23	03/06/18 08:38	03/09/18 01:20	BMB

IW-21B-10 L975879-06 Solid

Collected by	Collected date/time	Received date/time
Rachel McLaughlin	03/06/18 08:45	03/08/18 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1083649	1	03/13/18 12:35	03/13/18 12:42	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1082449	1	03/06/18 08:45	03/09/18 01:40	BMB

IW-21B-20 L975879-07 Solid

Collected by	Collected date/time	Received date/time
Rachel McLaughlin	03/06/18 08:55	03/08/18 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1083649	1	03/13/18 12:35	03/13/18 12:42	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1082449	1	03/06/18 08:55	03/09/18 02:00	BMB

IW-21B-30 L975879-08 Solid

Collected by	Collected date/time	Received date/time
Rachel McLaughlin	03/06/18 09:08	03/08/18 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1083649	1	03/13/18 12:35	03/13/18 12:42	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1082449	1	03/06/18 09:08	03/09/18 02:20	BMB

IW-21B-40 L975879-09 Solid

Collected by	Collected date/time	Received date/time
Rachel McLaughlin	03/06/18 09:45	03/08/18 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1083649	1	03/13/18 12:35	03/13/18 12:42	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1082449	1	03/06/18 09:45	03/09/18 02:40	BMB

IW-21B-50 L975879-10 Solid

Collected by	Collected date/time	Received date/time
Rachel McLaughlin	03/06/18 10:22	03/08/18 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1083649	1	03/13/18 12:35	03/13/18 12:42	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1082449	1	03/06/18 10:22	03/09/18 03:00	BMB

IW-21B-60 L975879-11 Solid

Collected by	Collected date/time	Received date/time
Rachel McLaughlin	03/06/18 11:00	03/08/18 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1083649	1	03/13/18 12:35	03/13/18 12:42	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1082449	25	03/06/18 11:00	03/15/18 00:37	ACG
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1082449	250	03/06/18 11:00	03/15/18 13:13	DWR

IW-21B-67 L975879-12 Solid

Collected by	Collected date/time	Received date/time
Rachel McLaughlin	03/06/18 11:20	03/08/18 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1083649	1	03/13/18 12:35	03/13/18 12:42	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1082449	1	03/06/18 11:20	03/09/18 03:40	BMB
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1082449	1	03/06/18 11:20	03/15/18 00:57	ACG
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1082449	1	03/06/18 11:20	03/15/18 12:53	DWR

TRIP BLANK L975879-13 GW

Collected by	Collected date/time	Received date/time
Rachel McLaughlin	03/02/18 00:00	03/08/18 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1082568	1	03/09/18 11:54	03/09/18 11:54	DWR

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All radiochemical sample results for solids are reported on a dry weight basis with the exception of tritium, carbon-14 and radon, unless wet weight was requested by the client. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Brian Ford

Brian Ford
Technical Service Representative

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	71.8		1	03/13/2018 12:56	WG1083648

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0160	0.0801	1.15	03/09/2018 00:00	WG1082449
Acrylonitrile	U		0.00287	0.0160	1.15	03/09/2018 00:00	WG1082449
Benzene	U		0.000432	0.00160	1.15	03/09/2018 00:00	WG1082449
Bromobenzene	U		0.000456	0.00160	1.15	03/09/2018 00:00	WG1082449
Bromodichloromethane	U		0.000407	0.00160	1.15	03/09/2018 00:00	WG1082449
Bromochloromethane	U		0.000624	0.00801	1.15	03/09/2018 00:00	WG1082449
Bromoform	U		0.000680	0.00160	1.15	03/09/2018 00:00	WG1082449
Bromomethane	U		0.00215	0.00801	1.15	03/09/2018 00:00	WG1082449
n-Butylbenzene	U		0.000414	0.00160	1.15	03/09/2018 00:00	WG1082449
sec-Butylbenzene	U		0.000322	0.00160	1.15	03/09/2018 00:00	WG1082449
tert-Butylbenzene	U		0.000330	0.00160	1.15	03/09/2018 00:00	WG1082449
Carbon disulfide	U		0.000354	0.00160	1.15	03/09/2018 00:00	WG1082449
Carbon tetrachloride	U		0.000525	0.00160	1.15	03/09/2018 00:00	WG1082449
Chlorobenzene	U		0.000340	0.00160	1.15	03/09/2018 00:00	WG1082449
Chlorodibromomethane	U		0.000598	0.00160	1.15	03/09/2018 00:00	WG1082449
Chloroethane	U		0.00152	0.00801	1.15	03/09/2018 00:00	WG1082449
Chloroform	U		0.000366	0.00801	1.15	03/09/2018 00:00	WG1082449
Chloromethane	U		0.000600	0.00401	1.15	03/09/2018 00:00	WG1082449
2-Chlorotoluene	U		0.000482	0.00160	1.15	03/09/2018 00:00	WG1082449
4-Chlorotoluene	U		0.000385	0.00160	1.15	03/09/2018 00:00	WG1082449
1,2-Dibromo-3-Chloropropane	U		0.00169	0.00801	1.15	03/09/2018 00:00	WG1082449
1,2-Dibromoethane	U		0.000549	0.00160	1.15	03/09/2018 00:00	WG1082449
Dibromomethane	U		0.000612	0.00160	1.15	03/09/2018 00:00	WG1082449
1,2-Dichlorobenzene	U		0.000489	0.00160	1.15	03/09/2018 00:00	WG1082449
1,3-Dichlorobenzene	U		0.000383	0.00160	1.15	03/09/2018 00:00	WG1082449
1,4-Dichlorobenzene	U		0.000362	0.00160	1.15	03/09/2018 00:00	WG1082449
Dichlorodifluoromethane	U		0.00114	0.00801	1.15	03/09/2018 00:00	WG1082449
1,1-Dichloroethane	U		0.000319	0.00160	1.15	03/09/2018 00:00	WG1082449
1,2-Dichloroethane	U		0.000425	0.00160	1.15	03/09/2018 00:00	WG1082449
1,1-Dichloroethene	U		0.000485	0.00160	1.15	03/09/2018 00:00	WG1082449
cis-1,2-Dichloroethene	0.0106		0.000376	0.00160	1.15	03/09/2018 00:00	WG1082449
trans-1,2-Dichloroethene	U		0.000424	0.00160	1.15	03/09/2018 00:00	WG1082449
1,2-Dichloropropane	U		0.000574	0.00160	1.15	03/09/2018 00:00	WG1082449
1,1-Dichloropropene	U		0.000507	0.00160	1.15	03/09/2018 00:00	WG1082449
1,3-Dichloropropane	U		0.000332	0.00160	1.15	03/09/2018 00:00	WG1082449
cis-1,3-Dichloropropene	U		0.000419	0.00160	1.15	03/09/2018 00:00	WG1082449
trans-1,3-Dichloropropene	U		0.000428	0.00160	1.15	03/09/2018 00:00	WG1082449
trans-1,4-Dichloro-2-butene	U		0.00125	0.00401	1.15	03/09/2018 00:00	WG1082449
2,2-Dichloropropane	U		0.000447	0.00160	1.15	03/09/2018 00:00	WG1082449
Di-isopropyl ether	U		0.000397	0.00160	1.15	03/09/2018 00:00	WG1082449
Ethylbenzene	U		0.000476	0.00160	1.15	03/09/2018 00:00	WG1082449
Hexachloro-1,3-butadiene	U		0.000548	0.00160	1.15	03/09/2018 00:00	WG1082449
2-Hexanone	U		0.00220	0.0160	1.15	03/09/2018 00:00	WG1082449
n-Hexane	0.00103	J	0.000465	0.0160	1.15	03/09/2018 00:00	WG1082449
Iodomethane	U		0.00405	0.0160	1.15	03/09/2018 00:00	WG1082449
Isopropylbenzene	U		0.000389	0.00160	1.15	03/09/2018 00:00	WG1082449
p-Isopropyltoluene	U		0.000327	0.00160	1.15	03/09/2018 00:00	WG1082449
2-Butanone (MEK)	U		0.00750	0.0160	1.15	03/09/2018 00:00	WG1082449
Methylene Chloride	U		0.00160	0.00801	1.15	03/09/2018 00:00	WG1082449
4-Methyl-2-pentanone (MIBK)	U		0.00301	0.0160	1.15	03/09/2018 00:00	WG1082449

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000340	0.00160	1.15	03/09/2018 00:00	WG1082449
Naphthalene	U		0.00160	0.00801	1.15	03/09/2018 00:00	WG1082449
n-Propylbenzene	U		0.000330	0.00160	1.15	03/09/2018 00:00	WG1082449
Styrene	U		0.000375	0.00160	1.15	03/09/2018 00:00	WG1082449
1,1,1,2-Tetrachloroethane	U		0.000424	0.00160	1.15	03/09/2018 00:00	WG1082449
1,1,2,2-Tetrachloroethane	U		0.000585	0.00160	1.15	03/09/2018 00:00	WG1082449
1,1,2-Trichlorotrifluoroethane	U		0.000585	0.00160	1.15	03/09/2018 00:00	WG1082449
Tetrachloroethene	0.0678		0.000442	0.00160	1.15	03/09/2018 00:00	WG1082449
Toluene	U		0.000695	0.00801	1.15	03/09/2018 00:00	WG1082449
1,2,3-Trichlorobenzene	U		0.000490	0.00160	1.15	03/09/2018 00:00	WG1082449
1,2,4-Trichlorobenzene	U		0.000621	0.00160	1.15	03/09/2018 00:00	WG1082449
1,1,1-Trichloroethane	U		0.000458	0.00160	1.15	03/09/2018 00:00	WG1082449
1,1,2-Trichloroethane	U		0.000443	0.00160	1.15	03/09/2018 00:00	WG1082449
Trichloroethene	0.0248		0.000447	0.00160	1.15	03/09/2018 00:00	WG1082449
Trichlorofluoromethane	U		0.000612	0.00801	1.15	03/09/2018 00:00	WG1082449
1,2,3-Trichloropropane	U		0.00119	0.00401	1.15	03/09/2018 00:00	WG1082449
1,2,4-Trimethylbenzene	U		0.000339	0.00160	1.15	03/09/2018 00:00	WG1082449
1,2,3-Trimethylbenzene	U		0.000460	0.00160	1.15	03/09/2018 00:00	WG1082449
1,3,5-Trimethylbenzene	U		0.000426	0.00160	1.15	03/09/2018 00:00	WG1082449
Vinyl acetate	U		0.00383	0.0160	1.15	03/09/2018 00:00	WG1082449
Vinyl chloride	U		0.000467	0.00160	1.15	03/09/2018 00:00	WG1082449
Xylenes, Total	U		0.00112	0.00481	1.15	03/09/2018 00:00	WG1082449
(S) Toluene-d8	*86.4*			*80.0-120*		*03/09/2018 00:00*	WG1082449
(S) Dibromofluoromethane	*124*			*74.0-131*		*03/09/2018 00:00*	WG1082449
(S) 4-Bromofluorobenzene	*107*			*64.0-132*		*03/09/2018 00:00*	WG1082449

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

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	70.2		1	03/13/2018 12:56	WG1083648

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.0649	J	0.0142	0.0712	1	03/09/2018 00:20	WG1082449
Acrylonitrile	U		0.00255	0.0142	1	03/09/2018 00:20	WG1082449
Benzene	0.00393		0.000385	0.00142	1	03/09/2018 00:20	WG1082449
Bromobenzene	U		0.000404	0.00142	1	03/09/2018 00:20	WG1082449
Bromodichloromethane	U		0.000362	0.00142	1	03/09/2018 00:20	WG1082449
Bromochloromethane	U		0.000555	0.00712	1	03/09/2018 00:20	WG1082449
Bromoform	U		0.000604	0.00142	1	03/09/2018 00:20	WG1082449
Bromomethane	U		0.00191	0.00712	1	03/09/2018 00:20	WG1082449
n-Butylbenzene	U		0.000367	0.00142	1	03/09/2018 00:20	WG1082449
sec-Butylbenzene	U		0.000286	0.00142	1	03/09/2018 00:20	WG1082449
tert-Butylbenzene	U		0.000293	0.00142	1	03/09/2018 00:20	WG1082449
Carbon disulfide	0.00228		0.000315	0.00142	1	03/09/2018 00:20	WG1082449
Carbon tetrachloride	U		0.000467	0.00142	1	03/09/2018 00:20	WG1082449
Chlorobenzene	U		0.000302	0.00142	1	03/09/2018 00:20	WG1082449
Chlorodibromomethane	U		0.000531	0.00142	1	03/09/2018 00:20	WG1082449
Chloroethane	U		0.00135	0.00712	1	03/09/2018 00:20	WG1082449
Chloroform	U		0.000326	0.00712	1	03/09/2018 00:20	WG1082449
Chloromethane	U		0.000534	0.00356	1	03/09/2018 00:20	WG1082449
2-Chlorotoluene	U		0.000429	0.00142	1	03/09/2018 00:20	WG1082449
4-Chlorotoluene	U		0.000342	0.00142	1	03/09/2018 00:20	WG1082449
1,2-Dibromo-3-Chloropropane	U		0.00150	0.00712	1	03/09/2018 00:20	WG1082449
1,2-Dibromoethane	U		0.000488	0.00142	1	03/09/2018 00:20	WG1082449
Dibromomethane	U		0.000544	0.00142	1	03/09/2018 00:20	WG1082449
1,2-Dichlorobenzene	U		0.000434	0.00142	1	03/09/2018 00:20	WG1082449
1,3-Dichlorobenzene	U		0.000340	0.00142	1	03/09/2018 00:20	WG1082449
1,4-Dichlorobenzene	U		0.000322	0.00142	1	03/09/2018 00:20	WG1082449
Dichlorodifluoromethane	U		0.00102	0.00712	1	03/09/2018 00:20	WG1082449
1,1-Dichloroethane	U		0.000283	0.00142	1	03/09/2018 00:20	WG1082449
1,2-Dichloroethane	U		0.000377	0.00142	1	03/09/2018 00:20	WG1082449
1,1-Dichloroethene	U		0.000432	0.00142	1	03/09/2018 00:20	WG1082449
cis-1,2-Dichloroethene	0.00218		0.000335	0.00142	1	03/09/2018 00:20	WG1082449
trans-1,2-Dichloroethene	U		0.000376	0.00142	1	03/09/2018 00:20	WG1082449
1,2-Dichloropropane	U		0.000510	0.00142	1	03/09/2018 00:20	WG1082449
1,1-Dichloropropene	U		0.000451	0.00142	1	03/09/2018 00:20	WG1082449
1,3-Dichloropropane	U		0.000295	0.00142	1	03/09/2018 00:20	WG1082449
cis-1,3-Dichloropropene	U		0.000373	0.00142	1	03/09/2018 00:20	WG1082449
trans-1,3-Dichloropropene	U		0.000380	0.00142	1	03/09/2018 00:20	WG1082449
trans-1,4-Dichloro-2-butene	U		0.00111	0.00356	1	03/09/2018 00:20	WG1082449
2,2-Dichloropropane	U		0.000397	0.00142	1	03/09/2018 00:20	WG1082449
Di-isopropyl ether	U		0.000353	0.00142	1	03/09/2018 00:20	WG1082449
Ethylbenzene	U		0.000423	0.00142	1	03/09/2018 00:20	WG1082449
Hexachloro-1,3-butadiene	U		0.000487	0.00142	1	03/09/2018 00:20	WG1082449
2-Hexanone	U		0.00195	0.0142	1	03/09/2018 00:20	WG1082449
n-Hexane	0.00233	J	0.000413	0.0142	1	03/09/2018 00:20	WG1082449
Iodomethane	U		0.00360	0.0142	1	03/09/2018 00:20	WG1082449
Isopropylbenzene	U		0.000346	0.00142	1	03/09/2018 00:20	WG1082449
p-Isopropyltoluene	0.00167		0.000291	0.00142	1	03/09/2018 00:20	WG1082449
2-Butanone (MEK)	0.0258		0.00667	0.0142	1	03/09/2018 00:20	WG1082449
Methylene Chloride	U		0.00142	0.00712	1	03/09/2018 00:20	WG1082449
4-Methyl-2-pentanone (MIBK)	U		0.00268	0.0142	1	03/09/2018 00:20	WG1082449

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000302	0.00142	1	03/09/2018 00:20	WG1082449
Naphthalene	U		0.00142	0.00712	1	03/09/2018 00:20	WG1082449
n-Propylbenzene	U		0.000293	0.00142	1	03/09/2018 00:20	WG1082449
Styrene	U		0.000333	0.00142	1	03/09/2018 00:20	WG1082449
1,1,1,2-Tetrachloroethane	U		0.000376	0.00142	1	03/09/2018 00:20	WG1082449
1,1,2,2-Tetrachloroethane	U		0.000520	0.00142	1	03/09/2018 00:20	WG1082449
1,1,2-Trichlorotrifluoroethane	U		0.000520	0.00142	1	03/09/2018 00:20	WG1082449
Tetrachloroethene	0.0178		0.000393	0.00142	1	03/09/2018 00:20	WG1082449
Toluene	0.00124	J	0.000618	0.00712	1	03/09/2018 00:20	WG1082449
1,2,3-Trichlorobenzene	U		0.000436	0.00142	1	03/09/2018 00:20	WG1082449
1,2,4-Trichlorobenzene	U		0.000553	0.00142	1	03/09/2018 00:20	WG1082449
1,1,1-Trichloroethane	U		0.000407	0.00142	1	03/09/2018 00:20	WG1082449
1,1,2-Trichloroethane	U		0.000394	0.00142	1	03/09/2018 00:20	WG1082449
Trichloroethene	0.00435		0.000397	0.00142	1	03/09/2018 00:20	WG1082449
Trichlorofluoromethane	U		0.000544	0.00712	1	03/09/2018 00:20	WG1082449
1,2,3-Trichloropropane	U		0.00106	0.00356	1	03/09/2018 00:20	WG1082449
1,2,4-Trimethylbenzene	0.000398	J	0.000300	0.00142	1	03/09/2018 00:20	WG1082449
1,2,3-Trimethylbenzene	U		0.000409	0.00142	1	03/09/2018 00:20	WG1082449
1,3,5-Trimethylbenzene	U		0.000379	0.00142	1	03/09/2018 00:20	WG1082449
Vinyl acetate	U		0.00340	0.0142	1	03/09/2018 00:20	WG1082449
Vinyl chloride	0.000493	J	0.000414	0.00142	1	03/09/2018 00:20	WG1082449
Xylenes, Total	U		0.000994	0.00427	1	03/09/2018 00:20	WG1082449
(S) Toluene-d8	*89.2*			*80.0-120*		*03/09/2018 00:20*	WG1082449
(S) Dibromofluoromethane	*119*			*74.0-131*		*03/09/2018 00:20*	WG1082449
(S) 4-Bromofluorobenzene	*119*			*64.0-132*		*03/09/2018 00:20*	WG1082449

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	86.0		1	03/13/2018 12:56	WG1083648

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0116	0.0582	1	03/09/2018 00:40	WG1082449
Acrylonitrile	U		0.00208	0.0116	1	03/09/2018 00:40	WG1082449
Benzene	U		0.000314	0.00116	1	03/09/2018 00:40	WG1082449
Bromobenzene	U		0.000330	0.00116	1	03/09/2018 00:40	WG1082449
Bromodichloromethane	U		0.000295	0.00116	1	03/09/2018 00:40	WG1082449
Bromochloromethane	U		0.000454	0.00582	1	03/09/2018 00:40	WG1082449
Bromoform	U		0.000493	0.00116	1	03/09/2018 00:40	WG1082449
Bromomethane	U		0.00156	0.00582	1	03/09/2018 00:40	WG1082449
n-Butylbenzene	U		0.000300	0.00116	1	03/09/2018 00:40	WG1082449
sec-Butylbenzene	U		0.000234	0.00116	1	03/09/2018 00:40	WG1082449
tert-Butylbenzene	U		0.000240	0.00116	1	03/09/2018 00:40	WG1082449
Carbon disulfide	U		0.000257	0.00116	1	03/09/2018 00:40	WG1082449
Carbon tetrachloride	U		0.000381	0.00116	1	03/09/2018 00:40	WG1082449
Chlorobenzene	U		0.000247	0.00116	1	03/09/2018 00:40	WG1082449
Chlorodibromomethane	U		0.000434	0.00116	1	03/09/2018 00:40	WG1082449
Chloroethane	U		0.00110	0.00582	1	03/09/2018 00:40	WG1082449
Chloroform	U		0.000266	0.00582	1	03/09/2018 00:40	WG1082449
Chloromethane	U		0.000436	0.00291	1	03/09/2018 00:40	WG1082449
2-Chlorotoluene	U		0.000350	0.00116	1	03/09/2018 00:40	WG1082449
4-Chlorotoluene	U		0.000279	0.00116	1	03/09/2018 00:40	WG1082449
1,2-Dibromo-3-Chloropropane	U		0.00122	0.00582	1	03/09/2018 00:40	WG1082449
1,2-Dibromoethane	U		0.000399	0.00116	1	03/09/2018 00:40	WG1082449
Dibromomethane	U		0.000444	0.00116	1	03/09/2018 00:40	WG1082449
1,2-Dichlorobenzene	U		0.000355	0.00116	1	03/09/2018 00:40	WG1082449
1,3-Dichlorobenzene	U		0.000278	0.00116	1	03/09/2018 00:40	WG1082449
1,4-Dichlorobenzene	U		0.000263	0.00116	1	03/09/2018 00:40	WG1082449
Dichlorodifluoromethane	U		0.000829	0.00582	1	03/09/2018 00:40	WG1082449
1,1-Dichloroethane	U		0.000231	0.00116	1	03/09/2018 00:40	WG1082449
1,2-Dichloroethane	U		0.000308	0.00116	1	03/09/2018 00:40	WG1082449
1,1-Dichloroethene	U		0.000352	0.00116	1	03/09/2018 00:40	WG1082449
cis-1,2-Dichloroethene	U		0.000273	0.00116	1	03/09/2018 00:40	WG1082449
trans-1,2-Dichloroethene	U		0.000307	0.00116	1	03/09/2018 00:40	WG1082449
1,2-Dichloropropane	U		0.000416	0.00116	1	03/09/2018 00:40	WG1082449
1,1-Dichloropropene	U		0.000369	0.00116	1	03/09/2018 00:40	WG1082449
1,3-Dichloropropane	U		0.000241	0.00116	1	03/09/2018 00:40	WG1082449
cis-1,3-Dichloropropene	U		0.000305	0.00116	1	03/09/2018 00:40	WG1082449
trans-1,3-Dichloropropene	U		0.000311	0.00116	1	03/09/2018 00:40	WG1082449
trans-1,4-Dichloro-2-butene	U		0.000905	0.00291	1	03/09/2018 00:40	WG1082449
2,2-Dichloropropane	U		0.000324	0.00116	1	03/09/2018 00:40	WG1082449
Di-isopropyl ether	U		0.000288	0.00116	1	03/09/2018 00:40	WG1082449
Ethylbenzene	U		0.000345	0.00116	1	03/09/2018 00:40	WG1082449
Hexachloro-1,3-butadiene	U		0.000398	0.00116	1	03/09/2018 00:40	WG1082449
2-Hexanone	U		0.00159	0.0116	1	03/09/2018 00:40	WG1082449
n-Hexane	U		0.000337	0.0116	1	03/09/2018 00:40	WG1082449
Iodomethane	U		0.00294	0.0116	1	03/09/2018 00:40	WG1082449
Isopropylbenzene	U		0.000283	0.00116	1	03/09/2018 00:40	WG1082449
p-Isopropyltoluene	U		0.000237	0.00116	1	03/09/2018 00:40	WG1082449
2-Butanone (MEK)	U		0.00544	0.0116	1	03/09/2018 00:40	WG1082449
Methylene Chloride	U		0.00116	0.00582	1	03/09/2018 00:40	WG1082449
4-Methyl-2-pentanone (MIBK)	U		0.00219	0.0116	1	03/09/2018 00:40	WG1082449

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000247	0.00116	1	03/09/2018 00:40	WG1082449
Naphthalene	U		0.00116	0.00582	1	03/09/2018 00:40	WG1082449
n-Propylbenzene	U		0.000240	0.00116	1	03/09/2018 00:40	WG1082449
Styrene	U		0.000272	0.00116	1	03/09/2018 00:40	WG1082449
1,1,1,2-Tetrachloroethane	U		0.000307	0.00116	1	03/09/2018 00:40	WG1082449
1,1,2,2-Tetrachloroethane	U		0.000425	0.00116	1	03/09/2018 00:40	WG1082449
1,1,2-Trichlorotrifluoroethane	U		0.000425	0.00116	1	03/09/2018 00:40	WG1082449
Tetrachloroethene	U		0.000321	0.00116	1	03/09/2018 00:40	WG1082449
Toluene	U		0.000505	0.00582	1	03/09/2018 00:40	WG1082449
1,2,3-Trichlorobenzene	U		0.000356	0.00116	1	03/09/2018 00:40	WG1082449
1,2,4-Trichlorobenzene	U		0.000451	0.00116	1	03/09/2018 00:40	WG1082449
1,1,1-Trichloroethane	U		0.000333	0.00116	1	03/09/2018 00:40	WG1082449
1,1,2-Trichloroethane	U		0.000322	0.00116	1	03/09/2018 00:40	WG1082449
Trichloroethene	U		0.000324	0.00116	1	03/09/2018 00:40	WG1082449
Trichlorofluoromethane	U		0.000444	0.00582	1	03/09/2018 00:40	WG1082449
1,2,3-Trichloropropane	U		0.000862	0.00291	1	03/09/2018 00:40	WG1082449
1,2,4-Trimethylbenzene	U		0.000245	0.00116	1	03/09/2018 00:40	WG1082449
1,2,3-Trimethylbenzene	U		0.000334	0.00116	1	03/09/2018 00:40	WG1082449
1,3,5-Trimethylbenzene	U		0.000309	0.00116	1	03/09/2018 00:40	WG1082449
Vinyl acetate	U		0.00278	0.0116	1	03/09/2018 00:40	WG1082449
Vinyl chloride	U		0.000338	0.00116	1	03/09/2018 00:40	WG1082449
Xylenes, Total	U		0.000812	0.00349	1	03/09/2018 00:40	WG1082449
(S) Toluene-d8	*93.2*			*80.0-120*		*03/09/2018 00:40*	WG1082449
(S) Dibromofluoromethane	*116*			*74.0-131*		*03/09/2018 00:40*	WG1082449
(S) 4-Bromofluorobenzene	*102*			*64.0-132*		*03/09/2018 00:40*	WG1082449

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

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	87.4		1	03/13/2018 12:56	WG1083648

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0114	0.0572	1	03/09/2018 01:00	WG1082449
Acrylonitrile	U		0.00205	0.0114	1	03/09/2018 01:00	WG1082449
Benzene	U		0.000309	0.00114	1	03/09/2018 01:00	WG1082449
Bromobenzene	U		0.000325	0.00114	1	03/09/2018 01:00	WG1082449
Bromodichloromethane	U		0.000291	0.00114	1	03/09/2018 01:00	WG1082449
Bromochloromethane	U		0.000446	0.00572	1	03/09/2018 01:00	WG1082449
Bromoform	U		0.000485	0.00114	1	03/09/2018 01:00	WG1082449
Bromomethane	U		0.00153	0.00572	1	03/09/2018 01:00	WG1082449
n-Butylbenzene	U		0.000295	0.00114	1	03/09/2018 01:00	WG1082449
sec-Butylbenzene	U		0.000230	0.00114	1	03/09/2018 01:00	WG1082449
tert-Butylbenzene	U		0.000236	0.00114	1	03/09/2018 01:00	WG1082449
Carbon disulfide	0.00139		0.000253	0.00114	1	03/09/2018 01:00	WG1082449
Carbon tetrachloride	U		0.000375	0.00114	1	03/09/2018 01:00	WG1082449
Chlorobenzene	U		0.000243	0.00114	1	03/09/2018 01:00	WG1082449
Chlorodibromomethane	U		0.000427	0.00114	1	03/09/2018 01:00	WG1082449
Chloroethane	U		0.00108	0.00572	1	03/09/2018 01:00	WG1082449
Chloroform	U		0.000262	0.00572	1	03/09/2018 01:00	WG1082449
Chloromethane	U		0.000429	0.00286	1	03/09/2018 01:00	WG1082449
2-Chlorotoluene	U		0.000344	0.00114	1	03/09/2018 01:00	WG1082449
4-Chlorotoluene	U		0.000275	0.00114	1	03/09/2018 01:00	WG1082449
1,2-Dibromo-3-Chloropropane	U		0.00120	0.00572	1	03/09/2018 01:00	WG1082449
1,2-Dibromoethane	U		0.000393	0.00114	1	03/09/2018 01:00	WG1082449
Dibromomethane	U		0.000437	0.00114	1	03/09/2018 01:00	WG1082449
1,2-Dichlorobenzene	U		0.000349	0.00114	1	03/09/2018 01:00	WG1082449
1,3-Dichlorobenzene	U		0.000274	0.00114	1	03/09/2018 01:00	WG1082449
1,4-Dichlorobenzene	U		0.000259	0.00114	1	03/09/2018 01:00	WG1082449
Dichlorodifluoromethane	U		0.000816	0.00572	1	03/09/2018 01:00	WG1082449
1,1-Dichloroethane	U		0.000228	0.00114	1	03/09/2018 01:00	WG1082449
1,2-Dichloroethane	U		0.000303	0.00114	1	03/09/2018 01:00	WG1082449
1,1-Dichloroethene	0.000468	J	0.000347	0.00114	1	03/09/2018 01:00	WG1082449
cis-1,2-Dichloroethene	0.108		0.000269	0.00114	1	03/09/2018 01:00	WG1082449
trans-1,2-Dichloroethene	0.0120		0.000302	0.00114	1	03/09/2018 01:00	WG1082449
1,2-Dichloropropane	U		0.000410	0.00114	1	03/09/2018 01:00	WG1082449
1,1-Dichloropropene	U		0.000363	0.00114	1	03/09/2018 01:00	WG1082449
1,3-Dichloropropane	U		0.000237	0.00114	1	03/09/2018 01:00	WG1082449
cis-1,3-Dichloropropene	U		0.000300	0.00114	1	03/09/2018 01:00	WG1082449
trans-1,3-Dichloropropene	U		0.000306	0.00114	1	03/09/2018 01:00	WG1082449
trans-1,4-Dichloro-2-butene	U		0.000890	0.00286	1	03/09/2018 01:00	WG1082449
2,2-Dichloropropane	U		0.000319	0.00114	1	03/09/2018 01:00	WG1082449
Di-isopropyl ether	U		0.000284	0.00114	1	03/09/2018 01:00	WG1082449
Ethylbenzene	U		0.000340	0.00114	1	03/09/2018 01:00	WG1082449
Hexachloro-1,3-butadiene	U		0.000391	0.00114	1	03/09/2018 01:00	WG1082449
2-Hexanone	U		0.00157	0.0114	1	03/09/2018 01:00	WG1082449
n-Hexane	U		0.000332	0.0114	1	03/09/2018 01:00	WG1082449
Iodomethane	U		0.00290	0.0114	1	03/09/2018 01:00	WG1082449
Isopropylbenzene	U		0.000278	0.00114	1	03/09/2018 01:00	WG1082449
p-Isopropyltoluene	U		0.000233	0.00114	1	03/09/2018 01:00	WG1082449
2-Butanone (MEK)	U		0.00536	0.0114	1	03/09/2018 01:00	WG1082449
Methylene Chloride	U		0.00114	0.00572	1	03/09/2018 01:00	WG1082449
4-Methyl-2-pentanone (MIBK)	U		0.00215	0.0114	1	03/09/2018 01:00	WG1082449

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000243	0.00114	1	03/09/2018 01:00	WG1082449
Naphthalene	U		0.00114	0.00572	1	03/09/2018 01:00	WG1082449
n-Propylbenzene	U		0.000236	0.00114	1	03/09/2018 01:00	WG1082449
Styrene	U		0.000268	0.00114	1	03/09/2018 01:00	WG1082449
1,1,1,2-Tetrachloroethane	U		0.000302	0.00114	1	03/09/2018 01:00	WG1082449
1,1,2,2-Tetrachloroethane	U		0.000418	0.00114	1	03/09/2018 01:00	WG1082449
1,1,2-Trichlorotrifluoroethane	U		0.000418	0.00114	1	03/09/2018 01:00	WG1082449
Tetrachloroethene	0.00114	J	0.000316	0.00114	1	03/09/2018 01:00	WG1082449
Toluene	U		0.000497	0.00572	1	03/09/2018 01:00	WG1082449
1,2,3-Trichlorobenzene	U		0.000350	0.00114	1	03/09/2018 01:00	WG1082449
1,2,4-Trichlorobenzene	U		0.000444	0.00114	1	03/09/2018 01:00	WG1082449
1,1,1-Trichloroethane	U		0.000327	0.00114	1	03/09/2018 01:00	WG1082449
1,1,2-Trichloroethane	U		0.000317	0.00114	1	03/09/2018 01:00	WG1082449
Trichloroethene	0.000325	J	0.000319	0.00114	1	03/09/2018 01:00	WG1082449
Trichlorofluoromethane	U		0.000437	0.00572	1	03/09/2018 01:00	WG1082449
1,2,3-Trichloropropane	U		0.000848	0.00286	1	03/09/2018 01:00	WG1082449
1,2,4-Trimethylbenzene	U		0.000241	0.00114	1	03/09/2018 01:00	WG1082449
1,2,3-Trimethylbenzene	U		0.000328	0.00114	1	03/09/2018 01:00	WG1082449
1,3,5-Trimethylbenzene	U		0.000304	0.00114	1	03/09/2018 01:00	WG1082449
Vinyl acetate	U		0.00274	0.0114	1	03/09/2018 01:00	WG1082449
Vinyl chloride	0.0195		0.000333	0.00114	1	03/09/2018 01:00	WG1082449
Xylenes, Total	U		0.000799	0.00343	1	03/09/2018 01:00	WG1082449
(S) Toluene-d8	*93.9*			*80.0-120*		*03/09/2018 01:00*	WG1082449
(S) Dibromofluoromethane	*115*			*74.0-131*		*03/09/2018 01:00*	WG1082449
(S) 4-Bromofluorobenzene	*102*			*64.0-132*		*03/09/2018 01:00*	WG1082449

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

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	68.1		1	03/13/2018 12:56	WG1083648

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0181	0.0903	1.23	03/09/2018 01:20	WG1082449
Acrylonitrile	U		0.00323	0.0181	1.23	03/09/2018 01:20	WG1082449
Benzene	U		0.000488	0.00181	1.23	03/09/2018 01:20	WG1082449
Bromobenzene	U		0.000513	0.00181	1.23	03/09/2018 01:20	WG1082449
Bromodichloromethane	U		0.000458	0.00181	1.23	03/09/2018 01:20	WG1082449
Bromochloromethane	U		0.000705	0.00903	1.23	03/09/2018 01:20	WG1082449
Bromoform	U		0.000767	0.00181	1.23	03/09/2018 01:20	WG1082449
Bromomethane	U		0.00242	0.00903	1.23	03/09/2018 01:20	WG1082449
n-Butylbenzene	U		0.000466	0.00181	1.23	03/09/2018 01:20	WG1082449
sec-Butylbenzene	U		0.000363	0.00181	1.23	03/09/2018 01:20	WG1082449
tert-Butylbenzene	U		0.000372	0.00181	1.23	03/09/2018 01:20	WG1082449
Carbon disulfide	U		0.000400	0.00181	1.23	03/09/2018 01:20	WG1082449
Carbon tetrachloride	U		0.000592	0.00181	1.23	03/09/2018 01:20	WG1082449
Chlorobenzene	U		0.000383	0.00181	1.23	03/09/2018 01:20	WG1082449
Chlorodibromomethane	U		0.000674	0.00181	1.23	03/09/2018 01:20	WG1082449
Chloroethane	U		0.00170	0.00903	1.23	03/09/2018 01:20	WG1082449
Chloroform	U		0.000414	0.00903	1.23	03/09/2018 01:20	WG1082449
Chloromethane	U		0.000677	0.00452	1.23	03/09/2018 01:20	WG1082449
2-Chlorotoluene	U		0.000544	0.00181	1.23	03/09/2018 01:20	WG1082449
4-Chlorotoluene	U		0.000433	0.00181	1.23	03/09/2018 01:20	WG1082449
1,2-Dibromo-3-Chloropropane	U		0.00190	0.00903	1.23	03/09/2018 01:20	WG1082449
1,2-Dibromoethane	U		0.000620	0.00181	1.23	03/09/2018 01:20	WG1082449
Dibromomethane	U		0.000690	0.00181	1.23	03/09/2018 01:20	WG1082449
1,2-Dichlorobenzene	U		0.000551	0.00181	1.23	03/09/2018 01:20	WG1082449
1,3-Dichlorobenzene	U		0.000432	0.00181	1.23	03/09/2018 01:20	WG1082449
1,4-Dichlorobenzene	U		0.000408	0.00181	1.23	03/09/2018 01:20	WG1082449
Dichlorodifluoromethane	U		0.00129	0.00903	1.23	03/09/2018 01:20	WG1082449
1,1-Dichloroethane	U		0.000360	0.00181	1.23	03/09/2018 01:20	WG1082449
1,2-Dichloroethane	U		0.000479	0.00181	1.23	03/09/2018 01:20	WG1082449
1,1-Dichloroethene	U		0.000548	0.00181	1.23	03/09/2018 01:20	WG1082449
cis-1,2-Dichloroethene	0.00711		0.000425	0.00181	1.23	03/09/2018 01:20	WG1082449
trans-1,2-Dichloroethene	U		0.000477	0.00181	1.23	03/09/2018 01:20	WG1082449
1,2-Dichloropropane	U		0.000646	0.00181	1.23	03/09/2018 01:20	WG1082449
1,1-Dichloropropene	U		0.000573	0.00181	1.23	03/09/2018 01:20	WG1082449
1,3-Dichloropropane	U		0.000375	0.00181	1.23	03/09/2018 01:20	WG1082449
cis-1,3-Dichloropropene	U		0.000473	0.00181	1.23	03/09/2018 01:20	WG1082449
trans-1,3-Dichloropropene	U		0.000482	0.00181	1.23	03/09/2018 01:20	WG1082449
trans-1,4-Dichloro-2-butene	U		0.00141	0.00452	1.23	03/09/2018 01:20	WG1082449
2,2-Dichloropropane	U		0.000504	0.00181	1.23	03/09/2018 01:20	WG1082449
Di-isopropyl ether	U		0.000448	0.00181	1.23	03/09/2018 01:20	WG1082449
Ethylbenzene	U		0.000536	0.00181	1.23	03/09/2018 01:20	WG1082449
Hexachloro-1,3-butadiene	U		0.000618	0.00181	1.23	03/09/2018 01:20	WG1082449
2-Hexanone	U		0.00247	0.0181	1.23	03/09/2018 01:20	WG1082449
n-Hexane	U		0.000524	0.0181	1.23	03/09/2018 01:20	WG1082449
Iodomethane	U		0.00457	0.0181	1.23	03/09/2018 01:20	WG1082449
Isopropylbenzene	U		0.000439	0.00181	1.23	03/09/2018 01:20	WG1082449
p-Isopropyltoluene	U		0.000369	0.00181	1.23	03/09/2018 01:20	WG1082449
2-Butanone (MEK)	U		0.00846	0.0181	1.23	03/09/2018 01:20	WG1082449
Methylene Chloride	U		0.00181	0.00903	1.23	03/09/2018 01:20	WG1082449
4-Methyl-2-pentanone (MIBK)	U		0.00339	0.0181	1.23	03/09/2018 01:20	WG1082449

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000383	0.00181	1.23	03/09/2018 01:20	WG1082449
Naphthalene	U		0.00181	0.00903	1.23	03/09/2018 01:20	WG1082449
n-Propylbenzene	U		0.000372	0.00181	1.23	03/09/2018 01:20	WG1082449
Styrene	U		0.000423	0.00181	1.23	03/09/2018 01:20	WG1082449
1,1,1,2-Tetrachloroethane	U		0.000477	0.00181	1.23	03/09/2018 01:20	WG1082449
1,1,2,2-Tetrachloroethane	U		0.000660	0.00181	1.23	03/09/2018 01:20	WG1082449
1,1,2-Trichlorotrifluoroethane	U		0.000660	0.00181	1.23	03/09/2018 01:20	WG1082449
Tetrachloroethene	0.0140		0.000498	0.00181	1.23	03/09/2018 01:20	WG1082449
Toluene	U		0.000784	0.00903	1.23	03/09/2018 01:20	WG1082449
1,2,3-Trichlorobenzene	U		0.000552	0.00181	1.23	03/09/2018 01:20	WG1082449
1,2,4-Trichlorobenzene	U		0.000701	0.00181	1.23	03/09/2018 01:20	WG1082449
1,1,1-Trichloroethane	U		0.000517	0.00181	1.23	03/09/2018 01:20	WG1082449
1,1,2-Trichloroethane	U		0.000501	0.00181	1.23	03/09/2018 01:20	WG1082449
Trichloroethene	0.00659		0.000504	0.00181	1.23	03/09/2018 01:20	WG1082449
Trichlorofluoromethane	U		0.000690	0.00903	1.23	03/09/2018 01:20	WG1082449
1,2,3-Trichloropropane	U		0.00134	0.00452	1.23	03/09/2018 01:20	WG1082449
1,2,4-Trimethylbenzene	U		0.000382	0.00181	1.23	03/09/2018 01:20	WG1082449
1,2,3-Trimethylbenzene	U		0.000519	0.00181	1.23	03/09/2018 01:20	WG1082449
1,3,5-Trimethylbenzene	U		0.000480	0.00181	1.23	03/09/2018 01:20	WG1082449
Vinyl acetate	U		0.00432	0.0181	1.23	03/09/2018 01:20	WG1082449
Vinyl chloride	U		0.000526	0.00181	1.23	03/09/2018 01:20	WG1082449
Xylenes, Total	U		0.00126	0.00542	1.23	03/09/2018 01:20	WG1082449
(S) Toluene-d8	*90.1*			*80.0-120*		*03/09/2018 01:20*	WG1082449
(S) Dibromofluoromethane	*123*			*74.0-131*		*03/09/2018 01:20*	WG1082449
(S) 4-Bromofluorobenzene	*96.5*			*64.0-132*		*03/09/2018 01:20*	WG1082449

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

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

Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch
Analyte	%			date / time	
Total Solids	82.0		1	03/13/2018 12:42	WG1083649

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

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0147	J	0.0122	0.0610	1	03/09/2018 01:40	WG1082449
Acrylonitrile	U		0.00218	0.0122	1	03/09/2018 01:40	WG1082449
Benzene	U		0.000329	0.00122	1	03/09/2018 01:40	WG1082449
Bromobenzene	U		0.000346	0.00122	1	03/09/2018 01:40	WG1082449
Bromodichloromethane	U		0.000310	0.00122	1	03/09/2018 01:40	WG1082449
Bromochloromethane	U		0.000475	0.00610	1	03/09/2018 01:40	WG1082449
Bromoform	U		0.000517	0.00122	1	03/09/2018 01:40	WG1082449
Bromomethane	U		0.00163	0.00610	1	03/09/2018 01:40	WG1082449
n-Butylbenzene	U		0.000315	0.00122	1	03/09/2018 01:40	WG1082449
sec-Butylbenzene	U		0.000245	0.00122	1	03/09/2018 01:40	WG1082449
tert-Butylbenzene	U		0.000251	0.00122	1	03/09/2018 01:40	WG1082449
Carbon disulfide	U		0.000269	0.00122	1	03/09/2018 01:40	WG1082449
Carbon tetrachloride	U		0.000400	0.00122	1	03/09/2018 01:40	WG1082449
Chlorobenzene	U		0.000258	0.00122	1	03/09/2018 01:40	WG1082449
Chlorodibromomethane	U		0.000455	0.00122	1	03/09/2018 01:40	WG1082449
Chloroethane	U		0.00115	0.00610	1	03/09/2018 01:40	WG1082449
Chloroform	U		0.000279	0.00610	1	03/09/2018 01:40	WG1082449
Chloromethane	U		0.000457	0.00305	1	03/09/2018 01:40	WG1082449
2-Chlorotoluene	U		0.000367	0.00122	1	03/09/2018 01:40	WG1082449
4-Chlorotoluene	U		0.000293	0.00122	1	03/09/2018 01:40	WG1082449
1,2-Dibromo-3-Chloropropane	U		0.00128	0.00610	1	03/09/2018 01:40	WG1082449
1,2-Dibromoethane	U		0.000418	0.00122	1	03/09/2018 01:40	WG1082449
Dibromomethane	U		0.000466	0.00122	1	03/09/2018 01:40	WG1082449
1,2-Dichlorobenzene	U		0.000372	0.00122	1	03/09/2018 01:40	WG1082449
1,3-Dichlorobenzene	U		0.000291	0.00122	1	03/09/2018 01:40	WG1082449
1,4-Dichlorobenzene	U		0.000276	0.00122	1	03/09/2018 01:40	WG1082449
Dichlorodifluoromethane	U		0.000869	0.00610	1	03/09/2018 01:40	WG1082449
1,1-Dichloroethane	U		0.000243	0.00122	1	03/09/2018 01:40	WG1082449
1,2-Dichloroethane	U		0.000323	0.00122	1	03/09/2018 01:40	WG1082449
1,1-Dichloroethene	U		0.000369	0.00122	1	03/09/2018 01:40	WG1082449
cis-1,2-Dichloroethene	0.00482		0.000286	0.00122	1	03/09/2018 01:40	WG1082449
trans-1,2-Dichloroethene	U		0.000322	0.00122	1	03/09/2018 01:40	WG1082449
1,2-Dichloropropane	U		0.000436	0.00122	1	03/09/2018 01:40	WG1082449
1,1-Dichloropropene	U		0.000386	0.00122	1	03/09/2018 01:40	WG1082449
1,3-Dichloropropane	U		0.000252	0.00122	1	03/09/2018 01:40	WG1082449
cis-1,3-Dichloropropene	U		0.000319	0.00122	1	03/09/2018 01:40	WG1082449
trans-1,3-Dichloropropene	U		0.000325	0.00122	1	03/09/2018 01:40	WG1082449
trans-1,4-Dichloro-2-butene	U		0.000948	0.00305	1	03/09/2018 01:40	WG1082449
2,2-Dichloropropane	U		0.000340	0.00122	1	03/09/2018 01:40	WG1082449
Di-isopropyl ether	U		0.000302	0.00122	1	03/09/2018 01:40	WG1082449
Ethylbenzene	U		0.000362	0.00122	1	03/09/2018 01:40	WG1082449
Hexachloro-1,3-butadiene	U		0.000417	0.00122	1	03/09/2018 01:40	WG1082449
2-Hexanone	U		0.00167	0.0122	1	03/09/2018 01:40	WG1082449
n-Hexane	0.00163	J	0.000354	0.0122	1	03/09/2018 01:40	WG1082449
Iodomethane	U		0.00308	0.0122	1	03/09/2018 01:40	WG1082449
Isopropylbenzene	U		0.000296	0.00122	1	03/09/2018 01:40	WG1082449
p-Isopropyltoluene	U		0.000249	0.00122	1	03/09/2018 01:40	WG1082449
2-Butanone (MEK)	U		0.00571	0.0122	1	03/09/2018 01:40	WG1082449
Methylene Chloride	U		0.00122	0.00610	1	03/09/2018 01:40	WG1082449
4-Methyl-2-pentanone (MIBK)	U		0.00229	0.0122	1	03/09/2018 01:40	WG1082449

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000258	0.00122	1	03/09/2018 01:40	WG1082449
Naphthalene	U		0.00122	0.00610	1	03/09/2018 01:40	WG1082449
n-Propylbenzene	U		0.000251	0.00122	1	03/09/2018 01:40	WG1082449
Styrene	U		0.000285	0.00122	1	03/09/2018 01:40	WG1082449
1,1,1,2-Tetrachloroethane	U		0.000322	0.00122	1	03/09/2018 01:40	WG1082449
1,1,2,2-Tetrachloroethane	U		0.000445	0.00122	1	03/09/2018 01:40	WG1082449
1,1,2-Trichlorotrifluoroethane	U		0.000445	0.00122	1	03/09/2018 01:40	WG1082449
Tetrachloroethene	0.0130		0.000336	0.00122	1	03/09/2018 01:40	WG1082449
Toluene	U		0.000529	0.00610	1	03/09/2018 01:40	WG1082449
1,2,3-Trichlorobenzene	U		0.000373	0.00122	1	03/09/2018 01:40	WG1082449
1,2,4-Trichlorobenzene	U		0.000473	0.00122	1	03/09/2018 01:40	WG1082449
1,1,1-Trichloroethane	U		0.000349	0.00122	1	03/09/2018 01:40	WG1082449
1,1,2-Trichloroethane	U		0.000338	0.00122	1	03/09/2018 01:40	WG1082449
Trichloroethene	0.00524		0.000340	0.00122	1	03/09/2018 01:40	WG1082449
Trichlorofluoromethane	U		0.000466	0.00610	1	03/09/2018 01:40	WG1082449
1,2,3-Trichloropropane	U		0.000903	0.00305	1	03/09/2018 01:40	WG1082449
1,2,4-Trimethylbenzene	U		0.000257	0.00122	1	03/09/2018 01:40	WG1082449
1,2,3-Trimethylbenzene	U		0.000350	0.00122	1	03/09/2018 01:40	WG1082449
1,3,5-Trimethylbenzene	U		0.000324	0.00122	1	03/09/2018 01:40	WG1082449
Vinyl acetate	U		0.00291	0.0122	1	03/09/2018 01:40	WG1082449
Vinyl chloride	U		0.000355	0.00122	1	03/09/2018 01:40	WG1082449
Xylenes, Total	U		0.000851	0.00366	1	03/09/2018 01:40	WG1082449
(S) Toluene-d8	*86.2*			*80.0-120*		*03/09/2018 01:40*	WG1082449
(S) Dibromofluoromethane	*127*			*74.0-131*		*03/09/2018 01:40*	WG1082449
(S) 4-Bromofluorobenzene	*102*			*64.0-132*		*03/09/2018 01:40*	WG1082449

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

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	83.2		1	03/13/2018 12:42	WG1083649

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.0123	J	0.0120	0.0601	1	03/09/2018 02:00	WG1082449
Acrylonitrile	U		0.00215	0.0120	1	03/09/2018 02:00	WG1082449
Benzene	0.000864	J	0.000325	0.00120	1	03/09/2018 02:00	WG1082449
Bromobenzene	U		0.000341	0.00120	1	03/09/2018 02:00	WG1082449
Bromodichloromethane	U		0.000305	0.00120	1	03/09/2018 02:00	WG1082449
Bromochloromethane	U		0.000469	0.00601	1	03/09/2018 02:00	WG1082449
Bromoform	U		0.000510	0.00120	1	03/09/2018 02:00	WG1082449
Bromomethane	U		0.00161	0.00601	1	03/09/2018 02:00	WG1082449
n-Butylbenzene	U		0.000310	0.00120	1	03/09/2018 02:00	WG1082449
sec-Butylbenzene	U		0.000242	0.00120	1	03/09/2018 02:00	WG1082449
tert-Butylbenzene	U		0.000248	0.00120	1	03/09/2018 02:00	WG1082449
Carbon disulfide	0.00209		0.000266	0.00120	1	03/09/2018 02:00	WG1082449
Carbon tetrachloride	U		0.000394	0.00120	1	03/09/2018 02:00	WG1082449
Chlorobenzene	U		0.000255	0.00120	1	03/09/2018 02:00	WG1082449
Chlorodibromomethane	U		0.000448	0.00120	1	03/09/2018 02:00	WG1082449
Chloroethane	U		0.00114	0.00601	1	03/09/2018 02:00	WG1082449
Chloroform	U		0.000275	0.00601	1	03/09/2018 02:00	WG1082449
Chloromethane	U		0.000451	0.00301	1	03/09/2018 02:00	WG1082449
2-Chlorotoluene	U		0.000362	0.00120	1	03/09/2018 02:00	WG1082449
4-Chlorotoluene	U		0.000289	0.00120	1	03/09/2018 02:00	WG1082449
1,2-Dibromo-3-Chloropropane	U		0.00126	0.00601	1	03/09/2018 02:00	WG1082449
1,2-Dibromoethane	U		0.000412	0.00120	1	03/09/2018 02:00	WG1082449
Dibromomethane	U		0.000459	0.00120	1	03/09/2018 02:00	WG1082449
1,2-Dichlorobenzene	U		0.000367	0.00120	1	03/09/2018 02:00	WG1082449
1,3-Dichlorobenzene	U		0.000287	0.00120	1	03/09/2018 02:00	WG1082449
1,4-Dichlorobenzene	U		0.000272	0.00120	1	03/09/2018 02:00	WG1082449
Dichlorodifluoromethane	U		0.000857	0.00601	1	03/09/2018 02:00	WG1082449
1,1-Dichloroethane	U		0.000239	0.00120	1	03/09/2018 02:00	WG1082449
1,2-Dichloroethane	U		0.000319	0.00120	1	03/09/2018 02:00	WG1082449
1,1-Dichloroethene	U		0.000364	0.00120	1	03/09/2018 02:00	WG1082449
cis-1,2-Dichloroethene	U		0.000283	0.00120	1	03/09/2018 02:00	WG1082449
trans-1,2-Dichloroethene	U		0.000317	0.00120	1	03/09/2018 02:00	WG1082449
1,2-Dichloropropane	U		0.000430	0.00120	1	03/09/2018 02:00	WG1082449
1,1-Dichloropropene	U		0.000381	0.00120	1	03/09/2018 02:00	WG1082449
1,3-Dichloropropane	U		0.000249	0.00120	1	03/09/2018 02:00	WG1082449
cis-1,3-Dichloropropene	U		0.000315	0.00120	1	03/09/2018 02:00	WG1082449
trans-1,3-Dichloropropene	U		0.000321	0.00120	1	03/09/2018 02:00	WG1082449
trans-1,4-Dichloro-2-butene	U		0.000935	0.00301	1	03/09/2018 02:00	WG1082449
2,2-Dichloropropane	U		0.000335	0.00120	1	03/09/2018 02:00	WG1082449
Di-isopropyl ether	U		0.000298	0.00120	1	03/09/2018 02:00	WG1082449
Ethylbenzene	U		0.000357	0.00120	1	03/09/2018 02:00	WG1082449
Hexachloro-1,3-butadiene	U		0.000411	0.00120	1	03/09/2018 02:00	WG1082449
2-Hexanone	U		0.00165	0.0120	1	03/09/2018 02:00	WG1082449
n-Hexane	U		0.000349	0.0120	1	03/09/2018 02:00	WG1082449
Iodomethane	U		0.00304	0.0120	1	03/09/2018 02:00	WG1082449
Isopropylbenzene	U		0.000292	0.00120	1	03/09/2018 02:00	WG1082449
p-Isopropyltoluene	0.000744	J	0.000245	0.00120	1	03/09/2018 02:00	WG1082449
2-Butanone (MEK)	U		0.00563	0.0120	1	03/09/2018 02:00	WG1082449
Methylene Chloride	U		0.00120	0.00601	1	03/09/2018 02:00	WG1082449
4-Methyl-2-pentanone (MIBK)	U		0.00226	0.0120	1	03/09/2018 02:00	WG1082449

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000255	0.00120	1	03/09/2018 02:00	WG1082449
Naphthalene	U		0.00120	0.00601	1	03/09/2018 02:00	WG1082449
n-Propylbenzene	U		0.000248	0.00120	1	03/09/2018 02:00	WG1082449
Styrene	U		0.000281	0.00120	1	03/09/2018 02:00	WG1082449
1,1,1,2-Tetrachloroethane	U		0.000317	0.00120	1	03/09/2018 02:00	WG1082449
1,1,2,2-Tetrachloroethane	U		0.000439	0.00120	1	03/09/2018 02:00	WG1082449
1,1,2-Trichlorotrifluoroethane	U		0.000439	0.00120	1	03/09/2018 02:00	WG1082449
Tetrachloroethene	0.000338	J	0.000332	0.00120	1	03/09/2018 02:00	WG1082449
Toluene	0.00128	J	0.000522	0.00601	1	03/09/2018 02:00	WG1082449
1,2,3-Trichlorobenzene	U		0.000368	0.00120	1	03/09/2018 02:00	WG1082449
1,2,4-Trichlorobenzene	U		0.000467	0.00120	1	03/09/2018 02:00	WG1082449
1,1,1-Trichloroethane	U		0.000344	0.00120	1	03/09/2018 02:00	WG1082449
1,1,2-Trichloroethane	U		0.000333	0.00120	1	03/09/2018 02:00	WG1082449
Trichloroethene	U		0.000335	0.00120	1	03/09/2018 02:00	WG1082449
Trichlorofluoromethane	U		0.000459	0.00601	1	03/09/2018 02:00	WG1082449
1,2,3-Trichloropropane	U		0.000891	0.00301	1	03/09/2018 02:00	WG1082449
1,2,4-Trimethylbenzene	U		0.000254	0.00120	1	03/09/2018 02:00	WG1082449
1,2,3-Trimethylbenzene	U		0.000345	0.00120	1	03/09/2018 02:00	WG1082449
1,3,5-Trimethylbenzene	U		0.000320	0.00120	1	03/09/2018 02:00	WG1082449
Vinyl acetate	U		0.00287	0.0120	1	03/09/2018 02:00	WG1082449
Vinyl chloride	U		0.000350	0.00120	1	03/09/2018 02:00	WG1082449
Xylenes, Total	U		0.000839	0.00361	1	03/09/2018 02:00	WG1082449
(S) Toluene-d8	*90.2*			*80.0-120*		*03/09/2018 02:00*	WG1082449
(S) Dibromofluoromethane	*124*			*74.0-131*		*03/09/2018 02:00*	WG1082449
(S) 4-Bromofluorobenzene	*115*			*64.0-132*		*03/09/2018 02:00*	WG1082449

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

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	89.6		1	03/13/2018 12:42	WG1083649

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0112	0.0558	1	03/09/2018 02:20	WG1082449
Acrylonitrile	U		0.00200	0.0112	1	03/09/2018 02:20	WG1082449
Benzene	U		0.000301	0.00112	1	03/09/2018 02:20	WG1082449
Bromobenzene	U		0.000317	0.00112	1	03/09/2018 02:20	WG1082449
Bromodichloromethane	U		0.000284	0.00112	1	03/09/2018 02:20	WG1082449
Bromochloromethane	U		0.000435	0.00558	1	03/09/2018 02:20	WG1082449
Bromoform	U		0.000473	0.00112	1	03/09/2018 02:20	WG1082449
Bromomethane	U		0.00150	0.00558	1	03/09/2018 02:20	WG1082449
n-Butylbenzene	U		0.000288	0.00112	1	03/09/2018 02:20	WG1082449
sec-Butylbenzene	U		0.000224	0.00112	1	03/09/2018 02:20	WG1082449
tert-Butylbenzene	U		0.000230	0.00112	1	03/09/2018 02:20	WG1082449
Carbon disulfide	0.000830	J	0.000247	0.00112	1	03/09/2018 02:20	WG1082449
Carbon tetrachloride	U		0.000366	0.00112	1	03/09/2018 02:20	WG1082449
Chlorobenzene	U		0.000237	0.00112	1	03/09/2018 02:20	WG1082449
Chlorodibromomethane	U		0.000416	0.00112	1	03/09/2018 02:20	WG1082449
Chloroethane	U		0.00106	0.00558	1	03/09/2018 02:20	WG1082449
Chloroform	U		0.000256	0.00558	1	03/09/2018 02:20	WG1082449
Chloromethane	U		0.000419	0.00279	1	03/09/2018 02:20	WG1082449
2-Chlorotoluene	U		0.000336	0.00112	1	03/09/2018 02:20	WG1082449
4-Chlorotoluene	U		0.000268	0.00112	1	03/09/2018 02:20	WG1082449
1,2-Dibromo-3-Chloropropane	U		0.00117	0.00558	1	03/09/2018 02:20	WG1082449
1,2-Dibromoethane	U		0.000383	0.00112	1	03/09/2018 02:20	WG1082449
Dibromomethane	U		0.000427	0.00112	1	03/09/2018 02:20	WG1082449
1,2-Dichlorobenzene	U		0.000341	0.00112	1	03/09/2018 02:20	WG1082449
1,3-Dichlorobenzene	U		0.000267	0.00112	1	03/09/2018 02:20	WG1082449
1,4-Dichlorobenzene	U		0.000252	0.00112	1	03/09/2018 02:20	WG1082449
Dichlorodifluoromethane	U		0.000796	0.00558	1	03/09/2018 02:20	WG1082449
1,1-Dichloroethane	U		0.000222	0.00112	1	03/09/2018 02:20	WG1082449
1,2-Dichloroethane	U		0.000296	0.00112	1	03/09/2018 02:20	WG1082449
1,1-Dichloroethene	U		0.000338	0.00112	1	03/09/2018 02:20	WG1082449
cis-1,2-Dichloroethene	0.000406	J	0.000262	0.00112	1	03/09/2018 02:20	WG1082449
trans-1,2-Dichloroethene	U		0.000295	0.00112	1	03/09/2018 02:20	WG1082449
1,2-Dichloropropane	U		0.000400	0.00112	1	03/09/2018 02:20	WG1082449
1,1-Dichloropropene	U		0.000354	0.00112	1	03/09/2018 02:20	WG1082449
1,3-Dichloropropane	U		0.000231	0.00112	1	03/09/2018 02:20	WG1082449
cis-1,3-Dichloropropene	U		0.000293	0.00112	1	03/09/2018 02:20	WG1082449
trans-1,3-Dichloropropene	U		0.000298	0.00112	1	03/09/2018 02:20	WG1082449
trans-1,4-Dichloro-2-butene	U		0.000869	0.00279	1	03/09/2018 02:20	WG1082449
2,2-Dichloropropane	U		0.000312	0.00112	1	03/09/2018 02:20	WG1082449
Di-isopropyl ether	U		0.000277	0.00112	1	03/09/2018 02:20	WG1082449
Ethylbenzene	U		0.000332	0.00112	1	03/09/2018 02:20	WG1082449
Hexachloro-1,3-butadiene	U		0.000382	0.00112	1	03/09/2018 02:20	WG1082449
2-Hexanone	U		0.00153	0.0112	1	03/09/2018 02:20	WG1082449
n-Hexane	U		0.000324	0.0112	1	03/09/2018 02:20	WG1082449
Iodomethane	U		0.00283	0.0112	1	03/09/2018 02:20	WG1082449
Isopropylbenzene	U		0.000271	0.00112	1	03/09/2018 02:20	WG1082449
p-Isopropyltoluene	U		0.000228	0.00112	1	03/09/2018 02:20	WG1082449
2-Butanone (MEK)	U		0.00523	0.0112	1	03/09/2018 02:20	WG1082449
Methylene Chloride	U		0.00112	0.00558	1	03/09/2018 02:20	WG1082449
4-Methyl-2-pentanone (MIBK)	U		0.00210	0.0112	1	03/09/2018 02:20	WG1082449

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000237	0.00112	1	03/09/2018 02:20	WG1082449
Naphthalene	U		0.00112	0.00558	1	03/09/2018 02:20	WG1082449
n-Propylbenzene	U		0.000230	0.00112	1	03/09/2018 02:20	WG1082449
Styrene	U		0.000261	0.00112	1	03/09/2018 02:20	WG1082449
1,1,1,2-Tetrachloroethane	U		0.000295	0.00112	1	03/09/2018 02:20	WG1082449
1,1,2,2-Tetrachloroethane	U		0.000408	0.00112	1	03/09/2018 02:20	WG1082449
1,1,2-Trichlorotrifluoroethane	U		0.000408	0.00112	1	03/09/2018 02:20	WG1082449
Tetrachloroethene	U		0.000308	0.00112	1	03/09/2018 02:20	WG1082449
Toluene	U		0.000485	0.00558	1	03/09/2018 02:20	WG1082449
1,2,3-Trichlorobenzene	U		0.000342	0.00112	1	03/09/2018 02:20	WG1082449
1,2,4-Trichlorobenzene	U		0.000433	0.00112	1	03/09/2018 02:20	WG1082449
1,1,1-Trichloroethane	U		0.000319	0.00112	1	03/09/2018 02:20	WG1082449
1,1,2-Trichloroethane	U		0.000309	0.00112	1	03/09/2018 02:20	WG1082449
Trichloroethene	U		0.000312	0.00112	1	03/09/2018 02:20	WG1082449
Trichlorofluoromethane	U		0.000427	0.00558	1	03/09/2018 02:20	WG1082449
1,2,3-Trichloropropane	U		0.000827	0.00279	1	03/09/2018 02:20	WG1082449
1,2,4-Trimethylbenzene	U		0.000236	0.00112	1	03/09/2018 02:20	WG1082449
1,2,3-Trimethylbenzene	U		0.000320	0.00112	1	03/09/2018 02:20	WG1082449
1,3,5-Trimethylbenzene	U		0.000297	0.00112	1	03/09/2018 02:20	WG1082449
Vinyl acetate	U		0.00267	0.0112	1	03/09/2018 02:20	WG1082449
Vinyl chloride	U		0.000325	0.00112	1	03/09/2018 02:20	WG1082449
Xylenes, Total	U		0.000779	0.00335	1	03/09/2018 02:20	WG1082449
(S) Toluene-d8	*91.6*			*80.0-120*		*03/09/2018 02:20*	WG1082449
(S) Dibromofluoromethane	*120*			*74.0-131*		*03/09/2018 02:20*	WG1082449
(S) 4-Bromofluorobenzene	*103*			*64.0-132*		*03/09/2018 02:20*	WG1082449

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	90.5		1	03/13/2018 12:42	WG1083649

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0111	0.0553	1	03/09/2018 02:40	WG1082449
Acrylonitrile	U		0.00198	0.0111	1	03/09/2018 02:40	WG1082449
Benzene	U		0.000298	0.00111	1	03/09/2018 02:40	WG1082449
Bromobenzene	U		0.000314	0.00111	1	03/09/2018 02:40	WG1082449
Bromodichloromethane	U		0.000281	0.00111	1	03/09/2018 02:40	WG1082449
Bromochloromethane	U		0.000431	0.00553	1	03/09/2018 02:40	WG1082449
Bromoform	U		0.000469	0.00111	1	03/09/2018 02:40	WG1082449
Bromomethane	U		0.00148	0.00553	1	03/09/2018 02:40	WG1082449
n-Butylbenzene	U		0.000285	0.00111	1	03/09/2018 02:40	WG1082449
sec-Butylbenzene	U		0.000222	0.00111	1	03/09/2018 02:40	WG1082449
tert-Butylbenzene	U		0.000228	0.00111	1	03/09/2018 02:40	WG1082449
Carbon disulfide	0.000861	J	0.000244	0.00111	1	03/09/2018 02:40	WG1082449
Carbon tetrachloride	U		0.000363	0.00111	1	03/09/2018 02:40	WG1082449
Chlorobenzene	U		0.000234	0.00111	1	03/09/2018 02:40	WG1082449
Chlorodibromomethane	U		0.000412	0.00111	1	03/09/2018 02:40	WG1082449
Chloroethane	U		0.00105	0.00553	1	03/09/2018 02:40	WG1082449
Chloroform	U		0.000253	0.00553	1	03/09/2018 02:40	WG1082449
Chloromethane	U		0.000415	0.00276	1	03/09/2018 02:40	WG1082449
2-Chlorotoluene	U		0.000333	0.00111	1	03/09/2018 02:40	WG1082449
4-Chlorotoluene	U		0.000265	0.00111	1	03/09/2018 02:40	WG1082449
1,2-Dibromo-3-Chloropropane	U		0.00116	0.00553	1	03/09/2018 02:40	WG1082449
1,2-Dibromoethane	U		0.000379	0.00111	1	03/09/2018 02:40	WG1082449
Dibromomethane	U		0.000422	0.00111	1	03/09/2018 02:40	WG1082449
1,2-Dichlorobenzene	U		0.000337	0.00111	1	03/09/2018 02:40	WG1082449
1,3-Dichlorobenzene	U		0.000264	0.00111	1	03/09/2018 02:40	WG1082449
1,4-Dichlorobenzene	U		0.000250	0.00111	1	03/09/2018 02:40	WG1082449
Dichlorodifluoromethane	U		0.000788	0.00553	1	03/09/2018 02:40	WG1082449
1,1-Dichloroethane	U		0.000220	0.00111	1	03/09/2018 02:40	WG1082449
1,2-Dichloroethane	U		0.000293	0.00111	1	03/09/2018 02:40	WG1082449
1,1-Dichloroethene	U		0.000335	0.00111	1	03/09/2018 02:40	WG1082449
cis-1,2-Dichloroethene	0.0424		0.000260	0.00111	1	03/09/2018 02:40	WG1082449
trans-1,2-Dichloroethene	0.00134		0.000292	0.00111	1	03/09/2018 02:40	WG1082449
1,2-Dichloropropane	U		0.000396	0.00111	1	03/09/2018 02:40	WG1082449
1,1-Dichloropropene	U		0.000350	0.00111	1	03/09/2018 02:40	WG1082449
1,3-Dichloropropane	U		0.000229	0.00111	1	03/09/2018 02:40	WG1082449
cis-1,3-Dichloropropene	U		0.000290	0.00111	1	03/09/2018 02:40	WG1082449
trans-1,3-Dichloropropene	U		0.000295	0.00111	1	03/09/2018 02:40	WG1082449
trans-1,4-Dichloro-2-butene	U		0.000860	0.00276	1	03/09/2018 02:40	WG1082449
2,2-Dichloropropane	U		0.000308	0.00111	1	03/09/2018 02:40	WG1082449
Di-isopropyl ether	U		0.000274	0.00111	1	03/09/2018 02:40	WG1082449
Ethylbenzene	U		0.000328	0.00111	1	03/09/2018 02:40	WG1082449
Hexachloro-1,3-butadiene	U		0.000378	0.00111	1	03/09/2018 02:40	WG1082449
2-Hexanone	U		0.00151	0.0111	1	03/09/2018 02:40	WG1082449
n-Hexane	U		0.000321	0.0111	1	03/09/2018 02:40	WG1082449
Iodomethane	U		0.00280	0.0111	1	03/09/2018 02:40	WG1082449
Isopropylbenzene	U		0.000269	0.00111	1	03/09/2018 02:40	WG1082449
p-Isopropyltoluene	U		0.000225	0.00111	1	03/09/2018 02:40	WG1082449
2-Butanone (MEK)	U		0.00517	0.0111	1	03/09/2018 02:40	WG1082449
Methylene Chloride	U		0.00111	0.00553	1	03/09/2018 02:40	WG1082449
4-Methyl-2-pentanone (MIBK)	U		0.00208	0.0111	1	03/09/2018 02:40	WG1082449

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000234	0.00111	1	03/09/2018 02:40	WG1082449
Naphthalene	U		0.00111	0.00553	1	03/09/2018 02:40	WG1082449
n-Propylbenzene	U		0.000228	0.00111	1	03/09/2018 02:40	WG1082449
Styrene	U		0.000259	0.00111	1	03/09/2018 02:40	WG1082449
1,1,1,2-Tetrachloroethane	U		0.000292	0.00111	1	03/09/2018 02:40	WG1082449
1,1,2,2-Tetrachloroethane	U		0.000403	0.00111	1	03/09/2018 02:40	WG1082449
1,1,2-Trichlorotrifluoroethane	U		0.000403	0.00111	1	03/09/2018 02:40	WG1082449
Tetrachloroethene	0.00709		0.000305	0.00111	1	03/09/2018 02:40	WG1082449
Toluene	U		0.000480	0.00553	1	03/09/2018 02:40	WG1082449
1,2,3-Trichlorobenzene	U		0.000338	0.00111	1	03/09/2018 02:40	WG1082449
1,2,4-Trichlorobenzene	U		0.000429	0.00111	1	03/09/2018 02:40	WG1082449
1,1,1-Trichloroethane	U		0.000316	0.00111	1	03/09/2018 02:40	WG1082449
1,1,2-Trichloroethane	U		0.000306	0.00111	1	03/09/2018 02:40	WG1082449
Trichloroethene	0.00187		0.000308	0.00111	1	03/09/2018 02:40	WG1082449
Trichlorofluoromethane	U		0.000422	0.00553	1	03/09/2018 02:40	WG1082449
1,2,3-Trichloropropane	U		0.000819	0.00276	1	03/09/2018 02:40	WG1082449
1,2,4-Trimethylbenzene	U		0.000233	0.00111	1	03/09/2018 02:40	WG1082449
1,2,3-Trimethylbenzene	U		0.000317	0.00111	1	03/09/2018 02:40	WG1082449
1,3,5-Trimethylbenzene	U		0.000294	0.00111	1	03/09/2018 02:40	WG1082449
Vinyl acetate	U		0.00264	0.0111	1	03/09/2018 02:40	WG1082449
Vinyl chloride	0.0212		0.000322	0.00111	1	03/09/2018 02:40	WG1082449
Xylenes, Total	U		0.000772	0.00332	1	03/09/2018 02:40	WG1082449
(S) Toluene-d8	*92.7*			*80.0-120*		*03/09/2018 02:40*	WG1082449
(S) Dibromofluoromethane	*116*			*74.0-131*		*03/09/2018 02:40*	WG1082449
(S) 4-Bromofluorobenzene	*103*			*64.0-132*		*03/09/2018 02:40*	WG1082449

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	92.5		1	03/13/2018 12:42	WG1083649

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0108	0.0541	1	03/09/2018 03:00	WG1082449
Acrylonitrile	U		0.00194	0.0108	1	03/09/2018 03:00	WG1082449
Benzene	U		0.000292	0.00108	1	03/09/2018 03:00	WG1082449
Bromobenzene	U		0.000307	0.00108	1	03/09/2018 03:00	WG1082449
Bromodichloromethane	U		0.000275	0.00108	1	03/09/2018 03:00	WG1082449
Bromochloromethane	U		0.000422	0.00541	1	03/09/2018 03:00	WG1082449
Bromoform	U		0.000459	0.00108	1	03/09/2018 03:00	WG1082449
Bromomethane	U		0.00145	0.00541	1	03/09/2018 03:00	WG1082449
n-Butylbenzene	U		0.000279	0.00108	1	03/09/2018 03:00	WG1082449
sec-Butylbenzene	U		0.000217	0.00108	1	03/09/2018 03:00	WG1082449
tert-Butylbenzene	U		0.000223	0.00108	1	03/09/2018 03:00	WG1082449
Carbon disulfide	0.000274	J	0.000239	0.00108	1	03/09/2018 03:00	WG1082449
Carbon tetrachloride	U		0.000355	0.00108	1	03/09/2018 03:00	WG1082449
Chlorobenzene	U		0.000229	0.00108	1	03/09/2018 03:00	WG1082449
Chlorodibromomethane	U		0.000403	0.00108	1	03/09/2018 03:00	WG1082449
Chloroethane	U		0.00102	0.00541	1	03/09/2018 03:00	WG1082449
Chloroform	U		0.000248	0.00541	1	03/09/2018 03:00	WG1082449
Chloromethane	U		0.000406	0.00270	1	03/09/2018 03:00	WG1082449
2-Chlorotoluene	U		0.000326	0.00108	1	03/09/2018 03:00	WG1082449
4-Chlorotoluene	U		0.000260	0.00108	1	03/09/2018 03:00	WG1082449
1,2-Dibromo-3-Chloropropane	U		0.00114	0.00541	1	03/09/2018 03:00	WG1082449
1,2-Dibromoethane	U		0.000371	0.00108	1	03/09/2018 03:00	WG1082449
Dibromomethane	U		0.000413	0.00108	1	03/09/2018 03:00	WG1082449
1,2-Dichlorobenzene	U		0.000330	0.00108	1	03/09/2018 03:00	WG1082449
1,3-Dichlorobenzene	U		0.000258	0.00108	1	03/09/2018 03:00	WG1082449
1,4-Dichlorobenzene	U		0.000244	0.00108	1	03/09/2018 03:00	WG1082449
Dichlorodifluoromethane	U		0.000771	0.00541	1	03/09/2018 03:00	WG1082449
1,1-Dichloroethane	U		0.000215	0.00108	1	03/09/2018 03:00	WG1082449
1,2-Dichloroethane	U		0.000287	0.00108	1	03/09/2018 03:00	WG1082449
1,1-Dichloroethene	U		0.000328	0.00108	1	03/09/2018 03:00	WG1082449
cis-1,2-Dichloroethene	0.0340		0.000254	0.00108	1	03/09/2018 03:00	WG1082449
trans-1,2-Dichloroethene	0.000587	J	0.000286	0.00108	1	03/09/2018 03:00	WG1082449
1,2-Dichloropropane	U		0.000387	0.00108	1	03/09/2018 03:00	WG1082449
1,1-Dichloropropene	U		0.000343	0.00108	1	03/09/2018 03:00	WG1082449
1,3-Dichloropropane	U		0.000224	0.00108	1	03/09/2018 03:00	WG1082449
cis-1,3-Dichloropropene	U		0.000283	0.00108	1	03/09/2018 03:00	WG1082449
trans-1,3-Dichloropropene	U		0.000289	0.00108	1	03/09/2018 03:00	WG1082449
trans-1,4-Dichloro-2-butene	U		0.000841	0.00270	1	03/09/2018 03:00	WG1082449
2,2-Dichloropropane	U		0.000302	0.00108	1	03/09/2018 03:00	WG1082449
Di-isopropyl ether	U		0.000268	0.00108	1	03/09/2018 03:00	WG1082449
Ethylbenzene	U		0.000321	0.00108	1	03/09/2018 03:00	WG1082449
Hexachloro-1,3-butadiene	U		0.000370	0.00108	1	03/09/2018 03:00	WG1082449
2-Hexanone	U		0.00148	0.0108	1	03/09/2018 03:00	WG1082449
n-Hexane	U		0.000314	0.0108	1	03/09/2018 03:00	WG1082449
Iodomethane	U		0.00274	0.0108	1	03/09/2018 03:00	WG1082449
Isopropylbenzene	U		0.000263	0.00108	1	03/09/2018 03:00	WG1082449
p-Isopropyltoluene	U		0.000221	0.00108	1	03/09/2018 03:00	WG1082449
2-Butanone (MEK)	U		0.00506	0.0108	1	03/09/2018 03:00	WG1082449
Methylene Chloride	U		0.00108	0.00541	1	03/09/2018 03:00	WG1082449
4-Methyl-2-pentanone (MIBK)	U		0.00203	0.0108	1	03/09/2018 03:00	WG1082449

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000229	0.00108	1	03/09/2018 03:00	WG1082449
Naphthalene	U		0.00108	0.00541	1	03/09/2018 03:00	WG1082449
n-Propylbenzene	U		0.000223	0.00108	1	03/09/2018 03:00	WG1082449
Styrene	U		0.000253	0.00108	1	03/09/2018 03:00	WG1082449
1,1,1,2-Tetrachloroethane	U		0.000286	0.00108	1	03/09/2018 03:00	WG1082449
1,1,2,2-Tetrachloroethane	U		0.000395	0.00108	1	03/09/2018 03:00	WG1082449
1,1,2-Trichlorotrifluoroethane	U		0.000395	0.00108	1	03/09/2018 03:00	WG1082449
Tetrachloroethene	0.00382		0.000299	0.00108	1	03/09/2018 03:00	WG1082449
Toluene	U		0.000469	0.00541	1	03/09/2018 03:00	WG1082449
1,2,3-Trichlorobenzene	U		0.000331	0.00108	1	03/09/2018 03:00	WG1082449
1,2,4-Trichlorobenzene	U		0.000420	0.00108	1	03/09/2018 03:00	WG1082449
1,1,1-Trichloroethane	U		0.000309	0.00108	1	03/09/2018 03:00	WG1082449
1,1,2-Trichloroethane	U		0.000300	0.00108	1	03/09/2018 03:00	WG1082449
Trichloroethene	0.00783		0.000302	0.00108	1	03/09/2018 03:00	WG1082449
Trichlorofluoromethane	U		0.000413	0.00541	1	03/09/2018 03:00	WG1082449
1,2,3-Trichloropropane	U		0.000801	0.00270	1	03/09/2018 03:00	WG1082449
1,2,4-Trimethylbenzene	U		0.000228	0.00108	1	03/09/2018 03:00	WG1082449
1,2,3-Trimethylbenzene	U		0.000310	0.00108	1	03/09/2018 03:00	WG1082449
1,3,5-Trimethylbenzene	U		0.000288	0.00108	1	03/09/2018 03:00	WG1082449
Vinyl acetate	U		0.00258	0.0108	1	03/09/2018 03:00	WG1082449
Vinyl chloride	0.0338		0.000315	0.00108	1	03/09/2018 03:00	WG1082449
Xylenes, Total	U		0.000755	0.00324	1	03/09/2018 03:00	WG1082449
(S) Toluene-d8	*93.2*			*80.0-120*		*03/09/2018 03:00*	WG1082449
(S) Dibromofluoromethane	*118*			*74.0-131*		*03/09/2018 03:00*	WG1082449
(S) 4-Bromofluorobenzene	*103*			*64.0-132*		*03/09/2018 03:00*	WG1082449

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	88.3		1	03/13/2018 12:42	WG1083649

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U	J0	0.283	1.42	25	03/15/2018 00:37	WG1082449
Acrylonitrile	U		0.0508	0.283	25	03/15/2018 00:37	WG1082449
Benzene	U		0.00765	0.0283	25	03/15/2018 00:37	WG1082449
Bromobenzene	U		0.00805	0.0283	25	03/15/2018 00:37	WG1082449
Bromodichloromethane	U		0.00720	0.0283	25	03/15/2018 00:37	WG1082449
Bromochloromethane	U		0.0110	0.142	25	03/15/2018 00:37	WG1082449
Bromoform	U	J0	0.0120	0.0283	25	03/15/2018 00:37	WG1082449
Bromomethane	U		0.0380	0.142	25	03/15/2018 00:37	WG1082449
n-Butylbenzene	U		0.00731	0.0283	25	03/15/2018 00:37	WG1082449
sec-Butylbenzene	U		0.00569	0.0283	25	03/15/2018 00:37	WG1082449
tert-Butylbenzene	U		0.00584	0.0283	25	03/15/2018 00:37	WG1082449
Carbon disulfide	U	J0	0.00625	0.0283	25	03/15/2018 00:37	WG1082449
Carbon tetrachloride	U		0.00929	0.0283	25	03/15/2018 00:37	WG1082449
Chlorobenzene	U		0.00601	0.0283	25	03/15/2018 00:37	WG1082449
Chlorodibromomethane	U		0.0106	0.0283	25	03/15/2018 00:37	WG1082449
Chloroethane	U		0.0267	0.142	25	03/15/2018 00:37	WG1082449
Chloroform	U		0.00648	0.142	25	03/15/2018 00:37	WG1082449
Chloromethane	U		0.0106	0.0708	25	03/15/2018 00:37	WG1082449
2-Chlorotoluene	U		0.00852	0.0283	25	03/15/2018 00:37	WG1082449
4-Chlorotoluene	U		0.00680	0.0283	25	03/15/2018 00:37	WG1082449
1,2-Dibromo-3-Chloropropane	U		0.0297	0.142	25	03/15/2018 00:37	WG1082449
1,2-Dibromoethane	U		0.00972	0.0283	25	03/15/2018 00:37	WG1082449
Dibromomethane	U		0.0108	0.0283	25	03/15/2018 00:37	WG1082449
1,2-Dichlorobenzene	U		0.00863	0.0283	25	03/15/2018 00:37	WG1082449
1,3-Dichlorobenzene	U		0.00678	0.0283	25	03/15/2018 00:37	WG1082449
1,4-Dichlorobenzene	U		0.00640	0.0283	25	03/15/2018 00:37	WG1082449
Dichlorodifluoromethane	U	J0	0.0202	0.142	25	03/15/2018 00:37	WG1082449
1,1-Dichloroethane	U		0.00564	0.0283	25	03/15/2018 00:37	WG1082449
1,2-Dichloroethane	U		0.00750	0.0283	25	03/15/2018 00:37	WG1082449
1,1-Dichloroethene	U		0.00859	0.0283	25	03/15/2018 00:37	WG1082449
cis-1,2-Dichloroethene	3.82		0.00666	0.0283	25	03/15/2018 00:37	WG1082449
trans-1,2-Dichloroethene	0.0341		0.00748	0.0283	25	03/15/2018 00:37	WG1082449
1,2-Dichloropropane	U		0.0101	0.0283	25	03/15/2018 00:37	WG1082449
1,1-Dichloropropene	U		0.00897	0.0283	25	03/15/2018 00:37	WG1082449
1,3-Dichloropropane	U		0.00587	0.0283	25	03/15/2018 00:37	WG1082449
cis-1,3-Dichloropropene	U		0.00742	0.0283	25	03/15/2018 00:37	WG1082449
trans-1,3-Dichloropropene	U		0.00757	0.0283	25	03/15/2018 00:37	WG1082449
trans-1,4-Dichloro-2-butene	U		0.0220	0.0708	25	03/15/2018 00:37	WG1082449
2,2-Dichloropropane	U		0.00791	0.0283	25	03/15/2018 00:37	WG1082449
Di-isopropyl ether	U		0.00703	0.0283	25	03/15/2018 00:37	WG1082449
Ethylbenzene	U		0.00841	0.0283	25	03/15/2018 00:37	WG1082449
Hexachloro-1,3-butadiene	U		0.00969	0.0283	25	03/15/2018 00:37	WG1082449
2-Hexanone	U		0.0388	0.283	25	03/15/2018 00:37	WG1082449
n-Hexane	U		0.00822	0.283	25	03/15/2018 00:37	WG1082449
Iodomethane	U		0.0716	0.283	25	03/15/2018 00:37	WG1082449
Isopropylbenzene	U		0.00689	0.0283	25	03/15/2018 00:37	WG1082449
p-Isopropyltoluene	U		0.00578	0.0283	25	03/15/2018 00:37	WG1082449
2-Butanone (MEK)	U		0.133	0.283	25	03/15/2018 00:37	WG1082449
Methylene Chloride	U		0.0283	0.142	25	03/15/2018 00:37	WG1082449
4-Methyl-2-pentanone (MIBK)	U		0.0533	0.283	25	03/15/2018 00:37	WG1082449

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.00601	0.0283	25	03/15/2018 00:37	WG1082449
Naphthalene	U		0.0283	0.142	25	03/15/2018 00:37	WG1082449
n-Propylbenzene	U		0.00584	0.0283	25	03/15/2018 00:37	WG1082449
Styrene	U		0.00663	0.0283	25	03/15/2018 00:37	WG1082449
1,1,1,2-Tetrachloroethane	U		0.00748	0.0283	25	03/15/2018 00:37	WG1082449
1,1,2,2-Tetrachloroethane	U		0.0103	0.0283	25	03/15/2018 00:37	WG1082449
1,1,2-Trichlorotrifluoroethane	U		0.0103	0.0283	25	03/15/2018 00:37	WG1082449
Tetrachloroethene	10.5		0.0782	0.283	250	03/15/2018 13:13	WG1082449
Toluene	U		0.0122	0.142	25	03/15/2018 00:37	WG1082449
1,2,3-Trichlorobenzene	U		0.00867	0.0283	25	03/15/2018 00:37	WG1082449
1,2,4-Trichlorobenzene	U		0.0110	0.0283	25	03/15/2018 00:37	WG1082449
1,1,1-Trichloroethane	U		0.00810	0.0283	25	03/15/2018 00:37	WG1082449
1,1,2-Trichloroethane	U		0.00784	0.0283	25	03/15/2018 00:37	WG1082449
Trichloroethene	3.82		0.00791	0.0283	25	03/15/2018 00:37	WG1082449
Trichlorofluoromethane	U		0.0108	0.142	25	03/15/2018 00:37	WG1082449
1,2,3-Trichloropropane	U		0.0210	0.0708	25	03/15/2018 00:37	WG1082449
1,2,4-Trimethylbenzene	U		0.00598	0.0283	25	03/15/2018 00:37	WG1082449
1,2,3-Trimethylbenzene	U		0.00814	0.0283	25	03/15/2018 00:37	WG1082449
1,3,5-Trimethylbenzene	U		0.00754	0.0283	25	03/15/2018 00:37	WG1082449
Vinyl acetate	U		0.0678	0.283	25	03/15/2018 00:37	WG1082449
Vinyl chloride	0.0525		0.00825	0.0283	25	03/15/2018 00:37	WG1082449
Xylenes, Total	U		0.0197	0.0850	25	03/15/2018 00:37	WG1082449
(S) Toluene-d8	*107*			*80.0-120*		*03/15/2018 00:37*	WG1082449
(S) Toluene-d8	*102*			*80.0-120*		*03/15/2018 13:13*	WG1082449
(S) Dibromofluoromethane	*103*			*74.0-131*		*03/15/2018 13:13*	WG1082449
(S) Dibromofluoromethane	*93.9*			*74.0-131*		*03/15/2018 00:37*	WG1082449
(S) 4-Bromofluorobenzene	*95.3*			*64.0-132*		*03/15/2018 13:13*	WG1082449
(S) 4-Bromofluorobenzene	*89.8*			*64.0-132*		*03/15/2018 00:37*	WG1082449

Sample Narrative:

L975879-11 WG1082449: Cannot be analyzed at a lower dilution due to high levels of target analytes.

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

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	90.3		1	03/13/2018 12:42	WG1083649

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0111	0.0554	1	03/09/2018 03:40	WG1082449
Acrylonitrile	U		0.00198	0.0111	1	03/09/2018 03:40	WG1082449
Benzene	U		0.000299	0.00111	1	03/09/2018 03:40	WG1082449
Bromobenzene	U		0.000315	0.00111	1	03/09/2018 03:40	WG1082449
Bromodichloromethane	U		0.000281	0.00111	1	03/09/2018 03:40	WG1082449
Bromochloromethane	U		0.000432	0.00554	1	03/09/2018 03:40	WG1082449
Bromoform	U		0.000470	0.00111	1	03/09/2018 03:40	WG1082449
Bromomethane	U		0.00148	0.00554	1	03/09/2018 03:40	WG1082449
n-Butylbenzene	U	J6	0.000286	0.00111	1	03/09/2018 03:40	WG1082449
sec-Butylbenzene	U		0.000223	0.00111	1	03/09/2018 03:40	WG1082449
tert-Butylbenzene	U		0.000228	0.00111	1	03/09/2018 03:40	WG1082449
Carbon disulfide	0.000377	J	0.000245	0.00111	1	03/09/2018 03:40	WG1082449
Carbon tetrachloride	U		0.000363	0.00111	1	03/09/2018 03:40	WG1082449
Chlorobenzene	U		0.000235	0.00111	1	03/09/2018 03:40	WG1082449
Chlorodibromomethane	U		0.000413	0.00111	1	03/09/2018 03:40	WG1082449
Chloroethane	U		0.00105	0.00554	1	03/09/2018 03:40	WG1082449
Chloroform	U		0.000254	0.00554	1	03/09/2018 03:40	WG1082449
Chloromethane	U		0.000415	0.00277	1	03/09/2018 03:40	WG1082449
2-Chlorotoluene	U		0.000333	0.00111	1	03/09/2018 03:40	WG1082449
4-Chlorotoluene	U		0.000266	0.00111	1	03/09/2018 03:40	WG1082449
1,2-Dibromo-3-Chloropropane	U		0.00116	0.00554	1	03/09/2018 03:40	WG1082449
1,2-Dibromoethane	U		0.000380	0.00111	1	03/09/2018 03:40	WG1082449
Dibromomethane	U		0.000423	0.00111	1	03/09/2018 03:40	WG1082449
1,2-Dichlorobenzene	U		0.000338	0.00111	1	03/09/2018 03:40	WG1082449
1,3-Dichlorobenzene	U	J6	0.000265	0.00111	1	03/09/2018 03:40	WG1082449
1,4-Dichlorobenzene	U	J6	0.000250	0.00111	1	03/09/2018 03:40	WG1082449
Dichlorodifluoromethane	U		0.000790	0.00554	1	03/09/2018 03:40	WG1082449
1,1-Dichloroethane	U		0.000220	0.00111	1	03/09/2018 03:40	WG1082449
1,2-Dichloroethane	U		0.000294	0.00111	1	03/09/2018 03:40	WG1082449
1,1-Dichloroethene	U		0.000336	0.00111	1	03/09/2018 03:40	WG1082449
cis-1,2-Dichloroethene	0.0353	J6	0.000260	0.00111	1	03/09/2018 03:40	WG1082449
trans-1,2-Dichloroethene	0.000295	J	0.000292	0.00111	1	03/09/2018 03:40	WG1082449
1,2-Dichloropropane	U		0.000397	0.00111	1	03/09/2018 03:40	WG1082449
1,1-Dichloropropene	U		0.000351	0.00111	1	03/09/2018 03:40	WG1082449
1,3-Dichloropropane	U		0.000229	0.00111	1	03/09/2018 03:40	WG1082449
cis-1,3-Dichloropropene	U		0.000290	0.00111	1	03/09/2018 03:40	WG1082449
trans-1,3-Dichloropropene	U		0.000296	0.00111	1	03/09/2018 03:40	WG1082449
trans-1,4-Dichloro-2-butene	U		0.000862	0.00277	1	03/09/2018 03:40	WG1082449
2,2-Dichloropropane	U		0.000309	0.00111	1	03/09/2018 03:40	WG1082449
Di-isopropyl ether	U		0.000275	0.00111	1	03/09/2018 03:40	WG1082449
Ethylbenzene	U		0.000329	0.00111	1	03/09/2018 03:40	WG1082449
Hexachloro-1,3-butadiene	U		0.000379	0.00111	1	03/09/2018 03:40	WG1082449
2-Hexanone	U		0.00152	0.0111	1	03/09/2018 03:40	WG1082449
n-Hexane	U		0.000321	0.0111	1	03/09/2018 03:40	WG1082449
Iodomethane	U		0.00280	0.0111	1	03/09/2018 03:40	WG1082449
Isopropylbenzene	U		0.000269	0.00111	1	03/09/2018 03:40	WG1082449
p-Isopropyltoluene	U		0.000226	0.00111	1	03/09/2018 03:40	WG1082449
2-Butanone (MEK)	U		0.00518	0.0111	1	03/09/2018 03:40	WG1082449
Methylene Chloride	U		0.00111	0.00554	1	03/09/2018 03:40	WG1082449
4-Methyl-2-pentanone (MIBK)	U		0.00208	0.0111	1	03/09/2018 03:40	WG1082449

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000235	0.00111	1	03/09/2018 03:40	WG1082449
Naphthalene	U	J6	0.00111	0.00554	1	03/09/2018 03:40	WG1082449
n-Propylbenzene	U		0.000228	0.00111	1	03/09/2018 03:40	WG1082449
Styrene	U	J6	0.000259	0.00111	1	03/09/2018 03:40	WG1082449
1,1,1,2-Tetrachloroethane	U		0.000292	0.00111	1	03/09/2018 03:40	WG1082449
1,1,2,2-Tetrachloroethane	U		0.000404	0.00111	1	03/09/2018 03:40	WG1082449
1,1,2-Trichlorotrifluoroethane	U		0.000404	0.00111	1	03/09/2018 03:40	WG1082449
Tetrachloroethene	0.00196		0.000306	0.00111	1	03/15/2018 12:53	WG1082449
Toluene	U		0.000481	0.00554	1	03/09/2018 03:40	WG1082449
1,2,3-Trichlorobenzene	U	J6	0.000339	0.00111	1	03/09/2018 03:40	WG1082449
1,2,4-Trichlorobenzene	U	J6	0.000430	0.00111	1	03/09/2018 03:40	WG1082449
1,1,1-Trichloroethane	U		0.000317	0.00111	1	03/09/2018 03:40	WG1082449
1,1,2-Trichloroethane	U		0.000307	0.00111	1	03/09/2018 03:40	WG1082449
Trichloroethene	0.00311		0.000309	0.00111	1	03/15/2018 00:57	WG1082449
Trichlorofluoromethane	U		0.000423	0.00554	1	03/09/2018 03:40	WG1082449
1,2,3-Trichloropropane	U		0.000821	0.00277	1	03/09/2018 03:40	WG1082449
1,2,4-Trimethylbenzene	U		0.000234	0.00111	1	03/09/2018 03:40	WG1082449
1,2,3-Trimethylbenzene	U		0.000318	0.00111	1	03/09/2018 03:40	WG1082449
1,3,5-Trimethylbenzene	U		0.000295	0.00111	1	03/09/2018 03:40	WG1082449
Vinyl acetate	U		0.00265	0.0111	1	03/09/2018 03:40	WG1082449
Vinyl chloride	0.00878		0.000322	0.00111	1	03/09/2018 03:40	WG1082449
Xylenes, Total	U		0.000773	0.00332	1	03/09/2018 03:40	WG1082449
(S) Toluene-d8	*92.9*			*80.0-120*		*03/09/2018 03:40*	WG1082449
(S) Toluene-d8	*103*			*80.0-120*		*03/15/2018 00:57*	WG1082449
(S) Toluene-d8	*96.7*			*80.0-120*		*03/15/2018 12:53*	WG1082449
(S) Dibromofluoromethane	*103*			*74.0-131*		*03/15/2018 00:57*	WG1082449
(S) Dibromofluoromethane	*109*			*74.0-131*		*03/15/2018 12:53*	WG1082449
(S) Dibromofluoromethane	*117*			*74.0-131*		*03/09/2018 03:40*	WG1082449
(S) 4-Bromofluorobenzene	*101*			*64.0-132*		*03/15/2018 12:53*	WG1082449
(S) 4-Bromofluorobenzene	*101*			*64.0-132*		*03/15/2018 00:57*	WG1082449
(S) 4-Bromofluorobenzene	*103*			*64.0-132*		*03/09/2018 03:40*	WG1082449

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		1.05	25.0	1	03/09/2018 11:54	WG1082568
Acrylonitrile	U		0.873	5.00	1	03/09/2018 11:54	WG1082568
Benzene	U		0.0896	0.500	1	03/09/2018 11:54	WG1082568
Bromobenzene	U		0.133	0.500	1	03/09/2018 11:54	WG1082568
Bromodichloromethane	U		0.0800	0.500	1	03/09/2018 11:54	WG1082568
Bromochloromethane	U		0.145	0.500	1	03/09/2018 11:54	WG1082568
Bromoform	U		0.186	0.500	1	03/09/2018 11:54	WG1082568
Bromomethane	U		0.157	2.50	1	03/09/2018 11:54	WG1082568
n-Butylbenzene	U		0.143	0.500	1	03/09/2018 11:54	WG1082568
sec-Butylbenzene	U		0.134	0.500	1	03/09/2018 11:54	WG1082568
tert-Butylbenzene	U		0.183	0.500	1	03/09/2018 11:54	WG1082568
Carbon disulfide	U		0.101	0.500	1	03/09/2018 11:54	WG1082568
Carbon tetrachloride	U		0.159	0.500	1	03/09/2018 11:54	WG1082568
Chlorobenzene	U		0.140	0.500	1	03/09/2018 11:54	WG1082568
Chlorodibromomethane	U		0.128	0.500	1	03/09/2018 11:54	WG1082568
Chloroethane	U		0.141	2.50	1	03/09/2018 11:54	WG1082568
Chloroform	U		0.0860	0.500	1	03/09/2018 11:54	WG1082568
Chloromethane	U		0.153	1.25	1	03/09/2018 11:54	WG1082568
2-Chlorotoluene	U		0.111	0.500	1	03/09/2018 11:54	WG1082568
4-Chlorotoluene	U		0.0972	0.500	1	03/09/2018 11:54	WG1082568
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	03/09/2018 11:54	WG1082568
1,2-Dibromoethane	U		0.193	0.500	1	03/09/2018 11:54	WG1082568
Dibromomethane	U		0.117	0.500	1	03/09/2018 11:54	WG1082568
1,2-Dichlorobenzene	U		0.101	0.500	1	03/09/2018 11:54	WG1082568
1,3-Dichlorobenzene	U		0.130	0.500	1	03/09/2018 11:54	WG1082568
1,4-Dichlorobenzene	U		0.121	0.500	1	03/09/2018 11:54	WG1082568
Dichlorodifluoromethane	U		0.127	2.50	1	03/09/2018 11:54	WG1082568
1,1-Dichloroethane	U		0.114	0.500	1	03/09/2018 11:54	WG1082568
1,2-Dichloroethane	U		0.108	0.500	1	03/09/2018 11:54	WG1082568
1,1-Dichloroethene	U		0.188	0.500	1	03/09/2018 11:54	WG1082568
cis-1,2-Dichloroethene	U		0.0933	0.500	1	03/09/2018 11:54	WG1082568
trans-1,2-Dichloroethene	U		0.152	0.500	1	03/09/2018 11:54	WG1082568
1,2-Dichloropropane	U		0.190	0.500	1	03/09/2018 11:54	WG1082568
1,1-Dichloropropene	U		0.128	0.500	1	03/09/2018 11:54	WG1082568
1,3-Dichloropropane	U		0.147	1.00	1	03/09/2018 11:54	WG1082568
cis-1,3-Dichloropropene	U		0.0976	0.500	1	03/09/2018 11:54	WG1082568
trans-1,3-Dichloropropene	U		0.222	0.500	1	03/09/2018 11:54	WG1082568
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	03/09/2018 11:54	WG1082568
2,2-Dichloropropane	U		0.0929	0.500	1	03/09/2018 11:54	WG1082568
Di-isopropyl ether	U		0.0924	0.500	1	03/09/2018 11:54	WG1082568
Ethylbenzene	U		0.158	0.500	1	03/09/2018 11:54	WG1082568
Hexachloro-1,3-butadiene	U		0.157	1.00	1	03/09/2018 11:54	WG1082568
2-Hexanone	U		0.757	5.00	1	03/09/2018 11:54	WG1082568
n-Hexane	U		0.305	5.00	1	03/09/2018 11:54	WG1082568
Iodomethane	U		0.377	10.0	1	03/09/2018 11:54	WG1082568
Isopropylbenzene	U		0.126	0.500	1	03/09/2018 11:54	WG1082568
p-Isopropyltoluene	U		0.138	0.500	1	03/09/2018 11:54	WG1082568
2-Butanone (MEK)	U		1.28	5.00	1	03/09/2018 11:54	WG1082568
Methylene Chloride	U		1.07	2.50	1	03/09/2018 11:54	WG1082568
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	03/09/2018 11:54	WG1082568
Methyl tert-butyl ether	U		0.102	0.500	1	03/09/2018 11:54	WG1082568
Naphthalene	U		0.174	2.50	1	03/09/2018 11:54	WG1082568
n-Propylbenzene	U		0.162	0.500	1	03/09/2018 11:54	WG1082568
Styrene	U		0.117	0.500	1	03/09/2018 11:54	WG1082568
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	03/09/2018 11:54	WG1082568
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	03/09/2018 11:54	WG1082568

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	03/09/2018 11:54	WG1082568
Tetrachloroethene	U		0.199	0.500	1	03/09/2018 11:54	WG1082568
Toluene	U		0.412	0.500	1	03/09/2018 11:54	WG1082568
1,2,3-Trichlorobenzene	U		0.164	0.500	1	03/09/2018 11:54	WG1082568
1,2,4-Trichlorobenzene	U		0.355	0.500	1	03/09/2018 11:54	WG1082568
1,1,1-Trichloroethane	U		0.0940	0.500	1	03/09/2018 11:54	WG1082568
1,1,2-Trichloroethane	U		0.186	0.500	1	03/09/2018 11:54	WG1082568
Trichloroethene	U		0.153	0.500	1	03/09/2018 11:54	WG1082568
Trichlorofluoromethane	U	J3	0.130	2.50	1	03/09/2018 11:54	WG1082568
1,2,3-Trichloropropane	U		0.247	2.50	1	03/09/2018 11:54	WG1082568
1,2,4-Trimethylbenzene	U		0.123	0.500	1	03/09/2018 11:54	WG1082568
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	03/09/2018 11:54	WG1082568
1,3,5-Trimethylbenzene	U		0.124	0.500	1	03/09/2018 11:54	WG1082568
Vinyl acetate	U	J4	0.645	5.00	1	03/09/2018 11:54	WG1082568
Vinyl chloride	U		0.118	0.500	1	03/09/2018 11:54	WG1082568
Xylenes, Total	U		0.316	1.50	1	03/09/2018 11:54	WG1082568
(S) Toluene-d8	*107*			*80.0-120*		*03/09/2018 11:54*	WG1082568
(S) Dibromofluoromethane	*92.6*			*76.0-123*		*03/09/2018 11:54*	WG1082568
(S) 4-Bromofluorobenzene	*93.2*			*80.0-120*		*03/09/2018 11:54*	WG1082568

Method Blank (MB)

(MB) R3293085-1 03/13/18 12:56

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

L975879-04 Original Sample (OS) • Duplicate (DUP)

(OS) L975879-04 03/13/18 12:56 • (DUP) R3293085-3 03/13/18 12:56

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	%	%		%		%
Total Solids	87.4	86.8	1	0.646		5

Laboratory Control Sample (LCS)

(LCS) R3293085-2 03/13/18 12:56

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

Method Blank (MB)

(MB) R3293082-1 03/13/18 12:42

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

L975881-01 Original Sample (OS) • Duplicate (DUP)

(OS) L975881-01 03/13/18 12:42 • (DUP) R3293082-3 03/13/18 12:42

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	%	%		%		%
Total Solids	86.5	86.4	1	0.120		5

Laboratory Control Sample (LCS)

(LCS) R3293082-2 03/13/18 12:42

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

Method Blank (MB)

(MB) R3293272-3 03/08/18 23:20

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acetone	U		0.0100	0.0500
Acrylonitrile	U		0.00179	0.0100
Benzene	U		0.000270	0.00100
Bromobenzene	U		0.000284	0.00100
Bromodichloromethane	U		0.000254	0.00100
Bromochloromethane	U		0.000390	0.00500
Bromoform	U		0.000424	0.00100
Bromomethane	U		0.00134	0.00500
n-Butylbenzene	U		0.000258	0.00100
sec-Butylbenzene	U		0.000201	0.00100
tert-Butylbenzene	U		0.000206	0.00100
Carbon disulfide	U		0.000221	0.00100
Carbon tetrachloride	U		0.000328	0.00100
Chlorobenzene	U		0.000212	0.00100
Chlorodibromomethane	U		0.000373	0.00100
Chloroethane	U		0.000946	0.00500
Chloroform	U		0.000229	0.00500
Chloromethane	U		0.000375	0.00250
2-Chlorotoluene	U		0.000301	0.00100
4-Chlorotoluene	U		0.000240	0.00100
1,2-Dibromo-3-Chloropropane	U		0.00105	0.00500
1,2-Dibromoethane	U		0.000343	0.00100
Dibromomethane	U		0.000382	0.00100
1,2-Dichlorobenzene	U		0.000305	0.00100
1,3-Dichlorobenzene	U		0.000239	0.00100
1,4-Dichlorobenzene	U		0.000226	0.00100
trans-1,4-Dichloro-2-butene	U		0.000778	0.00250
Dichlorodifluoromethane	U		0.000713	0.00500
1,1-Dichloroethane	U		0.000199	0.00100
1,2-Dichloroethane	U		0.000265	0.00100
1,1-Dichloroethene	U		0.000303	0.00100
cis-1,2-Dichloroethene	U		0.000235	0.00100
trans-1,2-Dichloroethene	U		0.000264	0.00100
1,2-Dichloropropane	U		0.000358	0.00100
1,1-Dichloropropene	U		0.000317	0.00100
1,3-Dichloropropane	U		0.000207	0.00100
cis-1,3-Dichloropropene	U		0.000262	0.00100
trans-1,3-Dichloropropene	U		0.000267	0.00100
2,2-Dichloropropane	U		0.000279	0.00100
Di-isopropyl ether	U		0.000248	0.00100

Method Blank (MB)

(MB) R3293272-3 03/08/18 23:20

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Ethylbenzene	U		0.000297	0.00100
Hexachloro-1,3-butadiene	U		0.000342	0.00100
2-Hexanone	U		0.00137	0.0100
n-Hexane	U		0.000290	0.0100
Iodomethane	U		0.00253	0.0100
Isopropylbenzene	U		0.000243	0.00100
p-Isopropyltoluene	U		0.000204	0.00100
2-Butanone (MEK)	U		0.00468	0.0100
Methylene Chloride	U		0.00100	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.00188	0.0100
Methyl tert-butyl ether	U		0.000212	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.000206	0.00100
Styrene	U		0.000234	0.00100
1,1,1,2-Tetrachloroethane	U		0.000264	0.00100
1,1,2,2-Tetrachloroethane	U		0.000365	0.00100
Tetrachloroethene	U		0.000276	0.00100
Toluene	U		0.000434	0.00500
1,1,2-Trichlorotrifluoroethane	U		0.000365	0.00100
1,2,3-Trichlorobenzene	U		0.000306	0.00100
1,2,4-Trichlorobenzene	U		0.000388	0.00100
1,1,1-Trichloroethane	U		0.000286	0.00100
1,1,2-Trichloroethane	U		0.000277	0.00100
Trichloroethene	U		0.000279	0.00100
Trichlorofluoromethane	U		0.000382	0.00500
1,2,3-Trichloropropane	U		0.000741	0.00250
1,2,3-Trimethylbenzene	U		0.000287	0.00100
1,2,4-Trimethylbenzene	U		0.000211	0.00100
1,3,5-Trimethylbenzene	U		0.000266	0.00100
Vinyl acetate	U		0.00239	0.0100
Vinyl chloride	U		0.000291	0.00100
Xylenes, Total	U		0.000698	0.00300
(S) Toluene-d8	*100*			*80.0-120*
(S) Dibromofluoromethane	*108*			*74.0-131*
(S) 4-Bromofluorobenzene	*101*			*64.0-132*

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

(LCS) R3293272-1 03/08/18 21:52 • (LCSD) R3293272-2 03/08/18 22:12

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.125	0.138	0.122	111	97.8	11.0-160			12.4	23
Acrylonitrile	0.125	0.165	0.148	132	119	61.0-143			10.4	20
Benzene	0.0250	0.0256	0.0268	102	107	71.0-124			4.92	20
Bromobenzene	0.0250	0.0249	0.0257	99.4	103	78.0-120			3.25	20
Bromodichloromethane	0.0250	0.0250	0.0266	100	107	75.0-120			6.28	20
Bromochloromethane	0.0250	0.0270	0.0275	108	110	80.0-121			1.84	20
Bromoform	0.0250	0.0283	0.0282	113	113	65.0-133			0.393	20
Bromomethane	0.0250	0.0202	0.0209	80.9	83.5	26.0-160			3.19	20
n-Butylbenzene	0.0250	0.0249	0.0261	99.5	105	73.0-126			4.93	20
sec-Butylbenzene	0.0250	0.0249	0.0259	99.4	104	75.0-121			4.25	20
tert-Butylbenzene	0.0250	0.0242	0.0255	96.9	102	74.0-122			5.32	20
Carbon disulfide	0.0250	0.0226	0.0245	90.5	98.0	53.0-130			7.95	20
Carbon tetrachloride	0.0250	0.0260	0.0270	104	108	66.0-123			3.80	20
Chlorobenzene	0.0250	0.0252	0.0263	101	105	79.0-121			4.30	20
Chlorodibromomethane	0.0250	0.0257	0.0265	103	106	74.0-128			2.97	20
Chloroethane	0.0250	0.0213	0.0225	85.4	89.9	51.0-147			5.10	20
Chloroform	0.0250	0.0257	0.0270	103	108	73.0-123			5.00	20
Chloromethane	0.0250	0.0223	0.0238	89.3	95.0	51.0-138			6.22	20
2-Chlorotoluene	0.0250	0.0245	0.0259	98.0	104	72.0-124			5.75	20
4-Chlorotoluene	0.0250	0.0247	0.0260	98.8	104	78.0-120			5.04	20
1,2-Dibromo-3-Chloropropane	0.0250	0.0294	0.0271	118	108	65.0-126			8.22	20
1,2-Dibromoethane	0.0250	0.0286	0.0284	115	114	78.0-122			0.887	20
Dibromomethane	0.0250	0.0269	0.0274	108	109	79.0-120			1.74	20
1,2-Dichlorobenzene	0.0250	0.0247	0.0256	98.9	102	80.0-120			3.44	20
1,3-Dichlorobenzene	0.0250	0.0242	0.0255	96.7	102	72.0-123			5.19	20
1,4-Dichlorobenzene	0.0250	0.0239	0.0250	95.6	99.8	77.0-120			4.33	20
trans-1,4-Dichloro-2-butene	0.0250	0.0301	0.0290	121	116	68.0-126			3.81	20
Dichlorodifluoromethane	0.0250	0.0203	0.0208	81.3	83.0	49.0-155			2.05	20
1,1-Dichloroethane	0.0250	0.0256	0.0271	103	109	70.0-128			5.67	20
1,2-Dichloroethane	0.0250	0.0263	0.0265	105	106	69.0-128			1.07	20
1,1-Dichloroethene	0.0250	0.0223	0.0229	89.3	91.6	63.0-131			2.60	20
cis-1,2-Dichloroethene	0.0250	0.0257	0.0269	103	108	74.0-123			4.68	20
trans-1,2-Dichloroethene	0.0250	0.0246	0.0260	98.5	104	72.0-122			5.55	20
1,2-Dichloropropane	0.0250	0.0257	0.0273	103	109	75.0-126			5.99	20
1,1-Dichloropropene	0.0250	0.0254	0.0268	102	107	72.0-130			5.30	20
1,3-Dichloropropane	0.0250	0.0272	0.0276	109	111	80.0-121			1.53	20
cis-1,3-Dichloropropene	0.0250	0.0259	0.0272	104	109	80.0-125			5.05	20
trans-1,3-Dichloropropene	0.0250	0.0275	0.0283	110	113	75.0-129			2.96	20
2,2-Dichloropropane	0.0250	0.0221	0.0237	88.4	94.8	60.0-129			6.92	20
Di-isopropyl ether	0.0250	0.0283	0.0295	113	118	62.0-133			4.10	20

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

(LCS) R3293272-1 03/08/18 21:52 • (LCSD) R3293272-2 03/08/18 22:12

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Ethylbenzene	0.0250	0.0237	0.0254	94.9	102	77.0-120			6.93	20
Hexachloro-1,3-butadiene	0.0250	0.0243	0.0257	97.3	103	68.0-128			5.67	20
2-Hexanone	0.125	0.164	0.148	131	118	61.0-143			10.1	20
n-Hexane	0.0250	0.0272	0.0284	109	113	57.0-125			4.14	20
Iodomethane	0.125	0.124	0.131	99.2	105	67.0-132			5.42	20
Isopropylbenzene	0.0250	0.0254	0.0266	101	106	75.0-120			4.66	20
p-Isopropyltoluene	0.0250	0.0249	0.0260	99.5	104	74.0-125			4.44	20
2-Butanone (MEK)	0.125	0.170	0.150	136	120	37.0-159			12.9	20
Methylene Chloride	0.0250	0.0231	0.0240	92.5	95.9	67.0-123			3.57	20
4-Methyl-2-pentanone (MIBK)	0.125	0.171	0.159	137	127	60.0-144			7.24	20
Methyl tert-butyl ether	0.0250	0.0281	0.0278	113	111	66.0-125			1.07	20
Naphthalene	0.0250	0.0278	0.0270	111	108	64.0-125			2.94	20
n-Propylbenzene	0.0250	0.0246	0.0258	98.5	103	78.0-120			4.68	20
Styrene	0.0250	0.0258	0.0269	103	108	78.0-124			4.16	20
1,1,1,2-Tetrachloroethane	0.0250	0.0246	0.0260	98.6	104	74.0-124			5.27	20
1,1,2,2-Tetrachloroethane	0.0250	0.0289	0.0274	115	109	73.0-120			5.35	20
Tetrachloroethene	0.0250	0.0240	0.0255	96.2	102	70.0-127			5.96	20
Toluene	0.0250	0.0234	0.0248	93.4	99.0	77.0-120			5.86	20
1,1,2-Trichlorotrifluoroethane	0.0250	0.0226	0.0243	90.4	97.1	64.0-135			7.14	20
1,2,3-Trichlorobenzene	0.0250	0.0252	0.0252	101	101	68.0-126			0.0102	20
1,2,4-Trichlorobenzene	0.0250	0.0247	0.0254	99.0	101	70.0-127			2.46	20
1,1,1-Trichloroethane	0.0250	0.0248	0.0261	99.3	104	69.0-125			5.02	20
1,1,2-Trichloroethane	0.0250	0.0272	0.0279	109	112	78.0-120			2.48	20
Trichloroethene	0.0250	0.0252	0.0269	101	108	79.0-120			6.46	20
Trichlorofluoromethane	0.0250	0.0204	0.0211	81.5	84.5	59.0-136			3.59	20
1,2,3-Trichloropropane	0.0250	0.0291	0.0278	116	111	73.0-124			4.58	20
1,2,3-Trimethylbenzene	0.0250	0.0248	0.0258	99.4	103	76.0-120			3.69	20
1,2,4-Trimethylbenzene	0.0250	0.0255	0.0267	102	107	75.0-120			4.82	20
1,3,5-Trimethylbenzene	0.0250	0.0248	0.0261	99.1	104	75.0-120			5.27	20
Vinyl acetate	0.125	0.156	0.138	124	110	58.0-156			12.1	20
Vinyl chloride	0.0250	0.0196	0.0207	78.5	82.8	63.0-134			5.30	20
Xylenes, Total	0.0750	0.0730	0.0775	97.3	103	77.0-120			5.98	20
(S) Toluene-d8				*100*	*102*	*80.0-120*				
(S) Dibromofluoromethane				*102*	*101*	*74.0-131*				
(S) 4-Bromofluorobenzene				*101*	*99.3*	*64.0-132*				

L975879-12 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L975879-12 03/09/18 03:40 • (MS) R3293272-4 03/09/18 04:00 • (MSD) R3293272-5 03/09/18 04:20

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acetone	0.138	U	0.0430	0.0511	31.1	36.9	1	10.0-160			17.1	36
Acrylonitrile	0.138	U	0.0785	0.0958	56.7	69.2	1	14.0-160			19.8	33
Benzene	0.0277	U	0.0130	0.0148	46.9	53.4	1	13.0-146			12.9	27
Bromobenzene	0.0277	U	0.00433	0.00447	15.7	16.1	1	10.0-149			2.97	33
Bromodichloromethane	0.0277	U	0.0106	0.0123	38.2	44.3	1	15.0-142			14.7	28
Bromochloromethane	0.0277	U	0.0123	0.0148	44.6	53.3	1	24.0-146			17.8	27
Bromoform	0.0277	U	0.00736	0.00913	26.6	33.0	1	10.0-147			21.5	31
Bromomethane	0.0277	U	0.0150	0.0178	54.2	64.1	1	10.0-160			16.7	32
n-Butylbenzene	0.0277	U	0.00308	0.00234	11.1	8.45	1	10.0-154		J6	27.4	37
sec-Butylbenzene	0.0277	U	0.00506	0.00426	18.3	15.4	1	10.0-151			17.2	36
tert-Butylbenzene	0.0277	U	0.00580	0.00527	21.0	19.0	1	10.0-152			9.70	35
Carbon disulfide	0.0277	0.000377	0.0109	0.0110	38.0	38.4	1	10.0-141			1.08	30
Carbon tetrachloride	0.0277	U	0.0135	0.0164	48.7	59.3	1	13.0-140			19.6	30
Chlorobenzene	0.0277	U	0.00513	0.00553	18.5	20.0	1	10.0-149			7.34	31
Chlorodibromomethane	0.0277	U	0.00735	0.00875	26.6	31.6	1	12.0-147			17.3	29
Chloroethane	0.0277	U	0.0166	0.0188	60.1	67.8	1	10.0-159			12.0	33
Chloroform	0.0277	U	0.0137	0.0161	49.6	58.3	1	18.0-148			16.1	28
Chloromethane	0.0277	U	0.0176	0.0214	63.5	77.4	1	10.0-146			19.7	29
2-Chlorotoluene	0.0277	U	0.00541	0.00495	19.5	17.9	1	10.0-151			8.95	35
4-Chlorotoluene	0.0277	U	0.00366	0.00318	13.2	11.5	1	10.0-150			13.8	35
1,2-Dibromo-3-Chloropropane	0.0277	U	0.00618	0.00719	22.3	26.0	1	10.0-149			15.2	34
1,2-Dibromoethane	0.0277	U	0.00618	0.00783	22.3	28.3	1	14.0-145			23.6	28
Dibromomethane	0.0277	U	0.0104	0.0127	37.4	46.0	1	18.0-144			20.5	27
1,2-Dichlorobenzene	0.0277	U	0.00281	0.00287	10.2	10.3	1	10.0-153			1.87	34
1,3-Dichlorobenzene	0.0277	U	0.00260	0.00242	9.40	8.73	1	10.0-150	J6	J6	7.41	35
1,4-Dichlorobenzene	0.0277	U	0.00245	0.00229	8.86	8.26	1	10.0-148	J6	J6	7.08	34
trans-1,4-Dichloro-2-butene	0.0277	U	0.00417	0.00493	15.1	17.8	1	10.0-160			16.6	40
Dichlorodifluoromethane	0.0277	U	0.0216	0.0253	78.0	91.3	1	10.0-160			15.6	30
1,1-Dichloroethane	0.0277	U	0.0145	0.0171	52.5	61.8	1	19.0-148			16.3	28
1,2-Dichloroethane	0.0277	U	0.0117	0.0140	42.3	50.7	1	17.0-147			18.1	27
1,1-Dichloroethene	0.0277	U	0.0143	0.0154	51.8	55.7	1	10.0-150			7.14	31
cis-1,2-Dichloroethene	0.0277	0.0353	0.0310	0.0363	0.000	3.61	1	16.0-145	J6	J6	15.7	28
trans-1,2-Dichloroethene	0.0277	0.000295	0.0109	0.0123	38.1	43.5	1	11.0-142			12.9	29
1,2-Dichloropropane	0.0277	U	0.0113	0.0133	40.8	48.1	1	17.0-148			16.4	28
1,1-Dichloropropene	0.0277	U	0.0108	0.0116	38.9	42.0	1	10.0-150			7.79	30
1,3-Dichloropropane	0.0277	U	0.00780	0.00951	28.2	34.3	1	16.0-148			19.8	27
cis-1,3-Dichloropropene	0.0277	U	0.00607	0.00735	21.9	26.6	1	13.0-150			19.1	28
trans-1,3-Dichloropropene	0.0277	U	0.00482	0.00587	17.4	21.2	1	10.0-152			19.8	29
2,2-Dichloropropane	0.0277	U	0.0146	0.0166	52.6	59.9	1	16.0-143			12.9	30

L975879-12 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L975879-12 03/09/18 03:40 • (MS) R3293272-4 03/09/18 04:00 • (MSD) R3293272-5 03/09/18 04:20

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Di-isopropyl ether	0.0277	U	0.0134	0.0155	48.2	56.0	1	16.0-149			14.8	28
Ethylbenzene	0.0277	U	0.00572	0.00560	20.7	20.2	1	10.0-147			2.14	31
Hexachloro-1,3-butadiene	0.0277	U	0.00343	0.00283	12.4	10.2	1	10.0-154			19.1	40
2-Hexanone	0.138	U	0.0358	0.0440	25.8	31.8	1	12.0-158			20.6	30
n-Hexane	0.0277	U	0.00931	0.00993	33.6	35.8	1	10.0-140			6.42	34
Iodomethane	0.138	U	0.0783	0.0811	56.6	58.6	1	10.0-157			3.48	34
Isopropylbenzene	0.0277	U	0.00661	0.00631	23.9	22.8	1	10.0-147			4.63	33
p-Isopropyltoluene	0.0277	U	0.00436	0.00358	15.7	12.9	1	10.0-156			19.6	37
2-Butanone (MEK)	0.138	U	0.0621	0.0742	44.9	53.6	1	10.0-160			17.8	33
Methylene Chloride	0.0277	U	0.0131	0.0148	47.4	53.4	1	16.0-139			11.9	29
4-Methyl-2-pentanone (MIBK)	0.138	U	0.0669	0.0813	48.3	58.7	1	12.0-160			19.4	32
Methyl tert-butyl ether	0.0277	U	0.0136	0.0165	49.1	59.5	1	21.0-145			19.1	29
Naphthalene	0.0277	U	0.00113	0.00144	4.08	5.21	1	10.0-153	J6	J6	24.5	36
n-Propylbenzene	0.0277	U	0.00516	0.00444	18.6	16.0	1	10.0-151			14.9	34
Styrene	0.0277	U	0.00304	0.00257	11.0	9.26	1	10.0-155		J6	16.8	34
1,1,1,2-Tetrachloroethane	0.0277	U	0.00795	0.00934	28.7	33.7	1	10.0-147			16.0	30
1,1,2,2-Tetrachloroethane	0.0277	U	0.00887	0.0109	32.0	39.3	1	10.0-155			20.3	31
Tetrachloroethene	0.0277	0.00213	0.00850	0.00953	23.0	26.7	1	10.0-144			11.5	32
Toluene	0.0277	U	0.00771	0.00844	27.9	30.5	1	10.0-144			9.00	28
1,1,2-Trichlorotrifluoroethane	0.0277	U	0.0164	0.0185	59.2	67.0	1	10.0-153			12.3	33
1,2,3-Trichlorobenzene	0.0277	U	0.000984	0.00120	3.55	4.32	1	10.0-153	J6	J6	19.5	40
1,2,4-Trichlorobenzene	0.0277	U	0.000976	0.00101	3.52	3.64	1	10.0-156	J6	J6	3.39	40
1,1,1-Trichloroethane	0.0277	U	0.0149	0.0173	53.7	62.5	1	18.0-145			15.2	29
1,1,2-Trichloroethane	0.0277	U	0.00923	0.0114	33.3	41.0	1	12.0-151			20.7	28
Trichloroethene	0.0277	0.00310	0.0115	0.0137	30.4	38.4	1	11.0-148			17.4	29
Trichlorofluoromethane	0.0277	U	0.0173	0.0191	62.4	68.9	1	10.0-157			9.91	34
1,2,3-Trichloropropane	0.0277	U	0.00971	0.0117	35.1	42.2	1	10.0-154			18.5	32
1,2,3-Trimethylbenzene	0.0277	U	0.00504	0.00491	18.2	17.7	1	10.0-150			2.57	33
1,2,4-Trimethylbenzene	0.0277	U	0.00456	0.00400	16.5	14.5	1	10.0-151			13.0	34
1,3,5-Trimethylbenzene	0.0277	U	0.00529	0.00464	19.1	16.8	1	10.0-150			12.9	33
Vinyl acetate	0.138	U	0.0527	0.0630	38.1	45.5	1	10.0-160			17.8	40
Vinyl chloride	0.0277	0.00878	0.0163	0.0195	27.3	38.8	1	10.0-150			17.8	29
Xylenes, Total	0.0831	U	0.0164	0.0161	19.7	19.4	1	10.0-150			1.64	31
(S) Toluene-d8					*89.6*	*90.3*		*80.0-120*				
(S) Dibromofluoromethane					*114*	*114*		*74.0-131*				
(S) 4-Bromofluorobenzene					*107*	*107*		*64.0-132*				

Method Blank (MB)

(MB) R3292262-3 03/09/18 11:34

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

Method Blank (MB)

(MB) R3292262-3 03/09/18 11:34

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
n-Hexane	U		0.305	5.00
Di-isopropyl ether	U		0.0924	0.500
Ethylbenzene	U		0.158	0.500
Isopropylbenzene	U		0.126	0.500
p-Isopropyltoluene	U		0.138	0.500
2-Hexanone	U		0.757	5.00
Naphthalene	U		0.174	2.50
n-Propylbenzene	U		0.162	0.500
Iodomethane	U		0.377	10.0
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500
2-Butanone (MEK)	U		1.28	5.00
1,2,3-Trichlorobenzene	U		0.164	0.500
1,2,4-Trichlorobenzene	U		0.355	0.500
Methylene Chloride	U		1.07	2.50
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00
Methyl tert-butyl ether	U		0.102	0.500
1,2,4-Trimethylbenzene	U		0.123	0.500
1,2,3-Trimethylbenzene	U		0.0739	0.500
1,3,5-Trimethylbenzene	U		0.124	0.500
Styrene	U		0.117	0.500
1,1,1,2-Tetrachloroethane	U		0.120	0.500
1,1,2,2-Tetrachloroethane	U		0.130	0.500
Tetrachloroethene	U		0.199	0.500
Toluene	U		0.412	0.500
1,1,1-Trichloroethane	U		0.0940	0.500
1,1,2-Trichloroethane	U		0.186	0.500
Trichloroethene	U		0.153	0.500
Trichlorofluoromethane	U		0.130	2.50
1,2,3-Trichloropropane	U		0.247	2.50
Vinyl acetate	U		0.645	5.00
Vinyl chloride	U		0.118	0.500
Xylenes, Total	U		0.316	1.50
(S) Toluene-d8	*104*			*80.0-120*
(S) Dibromofluoromethane	*90.2*			*76.0-123*
(S) 4-Bromofluorobenzene	*94.2*			*80.0-120*

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

(LCS) R3292262-1 03/09/18 09:38 • (LCSD) R3292262-2 03/09/18 09:57

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Bromobenzene	25.0	23.7	23.1	94.8	92.5	79.0-120			2.49	20
n-Butylbenzene	25.0	24.2	23.9	96.7	95.8	72.0-126			0.930	20
sec-Butylbenzene	25.0	24.4	24.2	97.5	97.0	74.0-121			0.561	20
tert-Butylbenzene	25.0	24.6	24.3	98.4	97.3	75.0-122			1.08	20
2-Chlorotoluene	25.0	23.5	23.1	94.0	92.5	74.0-122			1.59	20
4-Chlorotoluene	25.0	24.7	24.2	98.8	96.9	79.0-120			1.99	20
1,3-Dichlorobenzene	25.0	24.8	24.4	99.4	97.6	72.0-123			1.79	20
Dichlorodifluoromethane	25.0	22.0	19.6	88.2	78.5	49.0-155			11.6	20
1,1-Dichloropropene	25.0	25.6	25.2	102	101	71.0-129			1.58	20
1,3-Dichloropropane	25.0	26.5	26.7	106	107	80.0-121			0.857	20
Acetone	125	159	169	127	135	10.0-160			6.16	23
Acrylonitrile	125	130	136	104	109	60.0-142			5.04	20
2,2-Dichloropropane	25.0	25.1	25.2	100	101	60.0-125			0.388	20
Benzene	25.0	23.4	23.5	93.6	94.0	69.0-123			0.425	20
Bromodichloromethane	25.0	21.7	21.3	86.6	85.3	76.0-120			1.52	20
Bromochloromethane	25.0	24.3	25.2	97.1	101	76.0-122			3.54	20
Hexachloro-1,3-butadiene	25.0	21.1	20.8	84.3	83.2	64.0-131			1.25	20
Bromoform	25.0	22.3	21.7	89.2	86.6	67.0-132			2.87	20
Bromomethane	25.0	23.2	22.5	92.6	89.8	18.0-160			3.06	20
n-Hexane	25.0	24.5	23.8	98.1	95.2	56.0-124			2.94	20
Isopropylbenzene	25.0	24.6	24.4	98.6	97.6	75.0-120			1.02	20
p-Isopropyltoluene	25.0	25.5	25.2	102	101	74.0-126			1.51	20
Carbon disulfide	25.0	20.0	19.8	80.0	79.0	55.0-127			1.30	20
Carbon tetrachloride	25.0	22.8	23.2	91.3	92.9	63.0-122			1.81	20
Chlorobenzene	25.0	26.0	25.8	104	103	79.0-121			0.506	20
Chlorodibromomethane	25.0	26.1	26.6	104	107	75.0-125			1.96	20
Naphthalene	25.0	23.2	23.6	92.8	94.5	62.0-128			1.87	20
Chloroethane	25.0	23.4	22.2	93.5	88.8	47.0-152			5.13	20
n-Propylbenzene	25.0	23.7	23.4	94.6	93.7	79.0-120			0.990	20
Chloroform	25.0	22.4	22.9	89.7	91.8	72.0-121			2.30	20
Chloromethane	25.0	21.2	20.2	85.0	80.9	48.0-139			4.93	20
1,1,2-Trichlorotrifluoroethane	25.0	26.5	25.9	106	104	61.0-136			2.21	20
1,2-Dibromo-3-Chloropropane	25.0	21.6	21.8	86.3	87.4	64.0-127			1.32	20
1,2,3-Trichlorobenzene	25.0	21.0	21.3	84.2	85.0	61.0-133			1.02	20
1,2-Dibromoethane	25.0	27.1	27.6	109	110	77.0-123			1.76	20
1,2,4-Trichlorobenzene	25.0	21.8	22.6	87.1	90.4	69.0-129			3.75	20
Dibromomethane	25.0	23.1	23.6	92.2	94.3	78.0-120			2.18	20
1,2-Dichlorobenzene	25.0	24.0	24.5	95.8	97.9	80.0-120			2.10	20
1,4-Dichlorobenzene	25.0	24.7	24.2	98.6	96.8	77.0-120			1.82	20
trans-1,4-Dichloro-2-butene	25.0	24.1	23.7	96.2	94.8	55.0-134			1.52	20

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

(LCS) R3292262-1 03/09/18 09:38 • (LCSD) R3292262-2 03/09/18 09:57

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
1,2,4-Trimethylbenzene	25.0	24.4	23.8	97.4	95.3	75.0-120			2.20	20
1,1-Dichloroethane	25.0	21.9	21.8	87.7	87.0	70.0-126			0.774	20
1,2,3-Trimethylbenzene	25.0	25.3	24.9	101	99.5	75.0-120			1.84	20
1,2-Dichloroethane	25.0	23.5	23.8	94.1	95.3	67.0-126			1.25	20
1,3,5-Trimethylbenzene	25.0	23.0	22.7	92.0	90.9	75.0-120			1.22	20
1,1-Dichloroethene	25.0	23.0	23.1	92.1	92.3	64.0-129			0.243	20
cis-1,2-Dichloroethene	25.0	24.2	24.4	96.8	97.8	73.0-120			0.941	20
trans-1,2-Dichloroethene	25.0	23.0	23.2	92.0	92.8	71.0-121			0.803	20
1,2-Dichloropropane	25.0	23.6	23.4	94.4	93.5	75.0-125			0.910	20
cis-1,3-Dichloropropene	25.0	27.5	27.2	110	109	79.0-123			1.08	20
trans-1,3-Dichloropropene	25.0	26.8	27.4	107	110	74.0-127			2.45	20
Di-isopropyl ether	25.0	23.2	23.6	92.6	94.3	59.0-133			1.83	20
Ethylbenzene	25.0	26.1	25.5	104	102	77.0-120			2.55	20
2-Hexanone	125	139	142	112	113	58.0-147			1.53	20
Iodomethane	125	109	110	87.2	87.7	57.0-140			0.534	20
2-Butanone (MEK)	125	143	141	115	113	37.0-158			1.19	20
Methylene Chloride	25.0	21.2	22.2	84.8	88.8	66.0-121			4.70	20
4-Methyl-2-pentanone (MIBK)	125	128	129	102	104	59.0-143			1.14	20
Methyl tert-butyl ether	25.0	23.4	24.3	93.8	97.2	64.0-123			3.55	20
Styrene	25.0	23.7	23.4	95.0	93.7	78.0-124			1.42	20
1,1,1,2-Tetrachloroethane	25.0	24.1	24.7	96.2	98.9	75.0-122			2.76	20
1,1,2,2-Tetrachloroethane	25.0	25.0	24.8	100	99.4	71.0-122			0.589	20
Tetrachloroethene	25.0	25.6	25.7	103	103	70.0-127			0.216	20
Toluene	25.0	25.3	25.2	101	101	77.0-120			0.253	20
1,1,1-Trichloroethane	25.0	22.0	22.5	88.2	89.9	68.0-122			1.95	20
1,1,2-Trichloroethane	25.0	26.0	26.1	104	104	78.0-120			0.242	20
Trichloroethene	25.0	23.9	23.3	95.5	93.3	78.0-120			2.29	20
Trichlorofluoromethane	25.0	27.6	20.2	110	80.8	56.0-137		J3	31.1	20
1,2,3-Trichloropropane	25.0	24.8	25.1	99.3	100	72.0-124			1.05	20
Vinyl acetate	125	208	202	166	162	46.0-160	J4	J4	2.82	20
Vinyl chloride	25.0	23.8	23.2	95.4	92.6	64.0-133			2.94	20
Xylenes, Total	75.0	75.0	75.4	100	101	77.0-120			0.532	20
(S) Toluene-d8				*106*	*108*	*80.0-120*				
(S) Dibromofluoromethane				*89.3*	*91.3*	*76.0-123*				
(S) 4-Bromofluorobenzene				*93.1*	*93.0*	*80.0-120*				

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

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

Abbreviations and Definitions

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

Qualifier	Description
J	The identification of the analyte is acceptable; the reported value is an estimate.
J0	J0: Calibration verification outside of acceptance limits. Result is estimated.
J3	The associated batch QC was outside the established quality control range for precision.
J4	The associated batch QC was outside the established quality control range for accuracy.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.

ACCREDITATIONS & LOCATIONS

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

State Accreditations

Alabama	40660
Alaska	17-026
Arizona	AZ0612
Arkansas	88-0469
California	2932
Colorado	TN00003
Connecticut	PH-0197
Florida	E87487
Georgia	NELAP
Georgia [1]	923
Idaho	TN00003
Illinois	200008
Indiana	C-TN-01
Iowa	364
Kansas	E-10277
Kentucky [1,6]	90010
Kentucky [2]	16
Louisiana	AI30792
Louisiana [1]	LA180010
Maine	TN0002
Maryland	324
Massachusetts	M-TN003
Michigan	9958
Minnesota	047-999-395
Mississippi	TN00003
Missouri	340
Montana	CERT0086

Nebraska	NE-OS-15-05
Nevada	TN-03-2002-34
New Hampshire	2975
New Jersey–NELAP	TN002
New Mexico [1]	n/a
New York	11742
North Carolina	Env375
North Carolina [1]	DW21704
North Carolina [3]	41
North Dakota	R-140
Ohio–VAP	CL0069
Oklahoma	9915
Oregon	TN200002
Pennsylvania	68-02979
Rhode Island	LAO00356
South Carolina	84004
South Dakota	n/a
Tennessee [1,4]	2006
Texas	T 104704245-17-14
Texas [5]	LAB0152
Utah	TN00003
Vermont	VT2006
Virginia	460132
Washington	C847
West Virginia	233
Wisconsin	9980939910
Wyoming	A2LA

Third Party Federal Accreditations

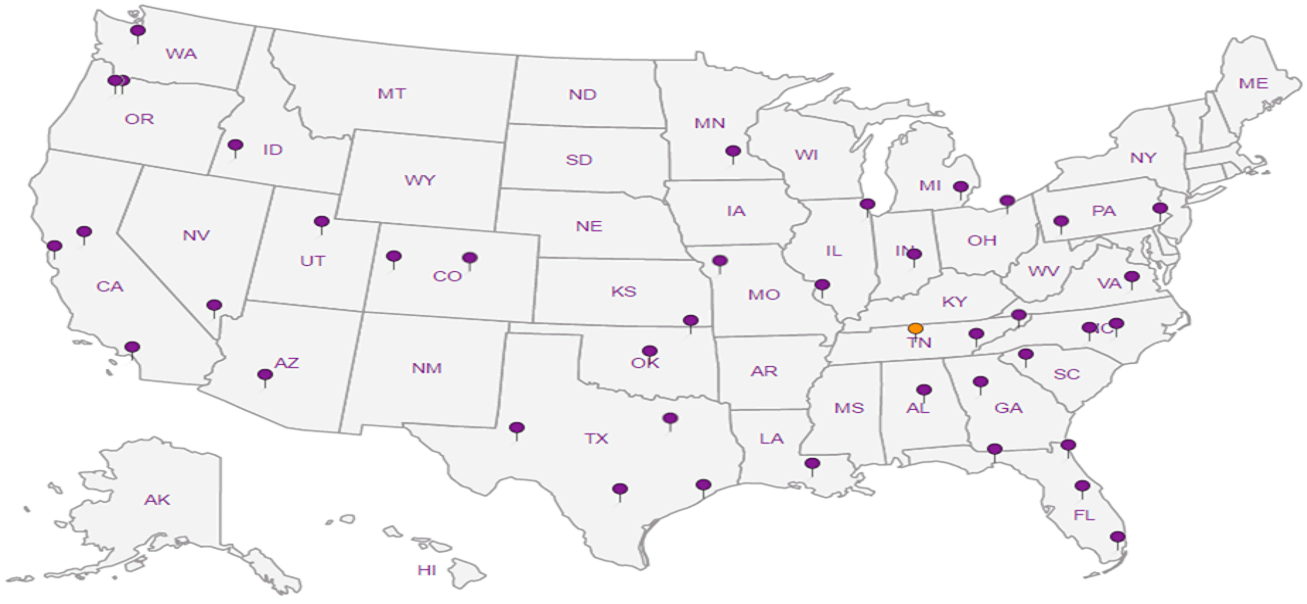
A2LA – ISO 17025	1461.01
A2LA – ISO 17025 [5]	1461.02
Canada	1461.01
EPA–Crypto	TN00003

AIHA-LAP,LLC EMLAP	100789
DOD	1461.01
USDA	P330-15-00234

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

Our Locations

ESC Lab Sciences has sixty-four client support centers that provide sample pickup and/or the delivery of sampling supplies. If you would like assistance from one of our support offices, please contact our main office. ESC Lab Sciences performs all testing at our central laboratory.



PES Environmental, Inc.- WA

1215 Fourth Ave., Suite 1350
Seattle, WA 98161

Billing Information:
Attn: Accounts Payable
1215 Fourth Ave., Ste. 1350
Seattle, WA 98161

Pres Chk

Chain of Custody Page 1 of 2

ESC LAB SCIENCES

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

Report to: ~~Bill Haldeman~~ Brian ONeal

Email To: ~~bhaldeman@pesenv.com~~ Boneal@pesenv.com

Project Description: **American Linen Project**

City/State Collected: Seattle WA

Phone: **206-529-3980**
Fax: **206-529-3985**

Client Project # **1413.001.~~02.002~~** .05.304

Lab Project # **PESENVSWA-ALP**

Collected by (print): Rachel McLaughlin

Site/Facility ID #

P.O. #

Collected by (signature): RT McLaughlin

Immediately Packed on Ice N X Y ___

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

L# 975879

G136

Table #

Acctnum: **PESENVSWA**
Template: **T130006**
Prelogin: **P638152**
TSR: **110 - Brian Ford**
PB:
Shipped Via: Fed Ex

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260C VOCs 40ml/NaHSO4/Syr/MeOH	dry wt/voc screen 2ozClr-NoPres	Remarks	Sample # (lab only)
IW27B-5	Grab	SS	5	3-2-18	0905	5	X			-01
IW-27B-15	|	SS	15	|	0925	NA	|			-02
IW-27B-25	|	SS	25	|	0945	|	|			-03
IW-27B-35	X	SS	35	X	1005	X	X			-04
IW-21B-5	|	SS	5	3-6-18	0838	5	X			-05
IW-21B-10	|	SS	10	|	0845 ~~0908~~	|	|			-06
IW-21B20	|	SS	20	|	0855	|	|			-07
IW-21B-30	|	SS	30	|	0908	|	|			-08
IW-21B-40	|	SS	40	|	0945	|	|			-09
IW-21B-50	X	SS	50	|	1022	|	|			-10

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other________

Remarks:

pH ______ Temp ______

Flow ______ Other ______

Samples returned via:
__ UPS __ FedEx __ Courier __ ______

Tracking # 496 3259 0871

Sample Receipt Checklist
COC Seal Present/Intact: NP _Y _N
COC Signed/Accurate: ✓Y _N
Bottles arrive intact: ✓Y _N
Correct bottles used: ✓Y _N
Sufficient volume sent: ✓Y _N
If Applicable
VOA Zero Headspace: _Y _N
Preservation Correct/Checked: _Y _N

Relinquished by: (Signature) RT McLaughlin	Date: 3-6-18	Time: 0940	Received by: (Signature)	Trip Blank Received: [✓ Yes] / No HCL / MeoH TBR	
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Temp: 6.0 °C Bottles Received: 59+10	If preservation required by Login: Date/Time
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature) 802	Date: 3.8.18 Time: 900	Hold:

Condition: NCF / [✓ OK]

PES Environmental, Inc.- WA

1215 Fourth Ave., Suite 1350
Seattle, WA 98161

Billing Information:
Attn: Accounts Payable
1215 Fourth Ave., Ste. 1350
Seattle, WA 98161

Pres Chk

Analysis / Container / Preservative

Chain of Custody Page 2 of 2

ESC LAB SCIENCES

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

Report to: ~~Bill Haldeman~~ Brian ONeal

Email To: ~~bhaldeman@pesenv.com~~ BONEAL@PESENV.COM

Project Description: American Linen Project

City/State Collected: Seattle WA

Phone: 206-529-3980
Fax: 206-529-3985

Client Project #: 1413.001.~~02.002~~ 05.304

Lab Project #: PESENVSWA-ALP

Collected by (print): R. McLaughlin

Site/Facility ID #:

P.O. #:

Collected by (signature): R. McLaughlin

Immediately Packed on Ice N ___ Y X

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #:

Date Results Needed:

L# 975874

Table #:

Acctnum: **PESENVSWA**
Template: **T130006**
Prelogin: **P638152**
TSR: **110 - Brian Ford**
PB:
Shipped Via:

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260C VOCs 40ml/NaHS04/5yr/MeOH	dry wt/voc screen 2ozClr-NoPres	Remarks	Sample # (lab only)
IW-21B~~+~~-60	Grab	SS	60	36-18	1100					-1
IW-21B-67	↓	SS	67	↓	1120					-2
TRIP BLANK		SS	—	9-20-17	—					-3
		SS								
		SS								
		SS								
		SS								
		SS								
		SS								
		SS								

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other________

Remarks:

pH ______ Temp ______
Flow ______ Other ______

Samples returned via:
__ UPS __ FedEx __ Courier __ ______

Tracking # 4196 3259 0871

Sample Receipt Checklist
COC Seal Present/Intact: ✓ NP __Y __N
COC Signed/Accurate: ✓Y __N
Bottles arrive intact: ✓Y __N
Correct bottles used: ✓Y __N
Sufficient volume sent: ✓Y __N
If Applicable
VOA Zero Headspace: __Y __N
Preservation Correct/Checked: __Y __N

Trip Blank Received: [✓ Yes] / No
[✓ HCL] / MeoH
TBR

Relinquished by : (Signature) R. McLaughlin	Date: 3-6-18	Time: 1440	Received by: (Signature)
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)

Temp: 1.2 °C
Bottles Received: 6 + TB

Date: 3.8.18
Time: 9:00

If preservation required by Login: Date/Time

Hold:

Condition: NCF / [✓ OK]

Andy Vann

ESC Lab Sciences
Non-Conformance Form

Login #:	Client:PESENVSWA	Date:03/08/18	Evaluated by: Matthew Lockhart

Non-Conformance (check applicable items)

	Sample Integrity		Chain of Custody Clarification		
	Parameter(s) past holding time		Login Clarification Needed		**If Broken Container:**
	Improper temperature		Chain of custody is incomplete		Insufficient packing material around container
	Improper container type		Please specify Metals requested.		Insufficient packing material inside cooler
	Improper preservation		Please specify TCLP requested.		Improper handling by carrier (FedEx / UPS / Couri
	Insufficient sample volume.		Received additional samples not listed on coc.		Sample was frozen
	Sample is biphasic.		Sample ids on containers do not match ids on coc		Container lid not intact
	Vials received with headspace.		Trip Blank not received.		**If no Chain of Custody:**
	Broken container	x	Client did not "X" analysis.		Received by:
	Broken container:		Chain of Custody is missing		Date/Time:
	Sufficient sample remains				Temp./Cont. Rec./pH:
					Carrier:
					Tracking#

Login Comments:Client did not X analysis for IW-21B-60, IW-21B-67, and the Trip blank

Client informed by:		Call		Email	x	Voice Mail		Date:03/12/18	Time:1045
TSR Initials:bjf	Client Contact: Brian O'Neal								

Login Instructions:

Please analyze all samples listed on the COC for V8260C (trip blank for V8260LLC).

MEMORANDUM

TO: Project File **DATE:** April 19, 2018

FROM: Jessie Compeau

SUBJECT: Laboratory Data Validation Review

PROJECT: Former American Linen Supply Site, Seattle WA

PROJECT #: 1413.001.05.304

TASK: March 2 and 6, 2018 – Soil Samples

LAB: ESC Lab ID L975879

Twelve (12) soil samples and a trip blank were collected as part of a sampling event at the Former American Linen Supply Site, in Seattle, Washington, on March 2 and March 6, 2018. The samples were shipped and delivered to ESC Lab Sciences (ESC) of Mount Juliet, TN for laboratory analysis. Selected samples were analyzed for the following:

- Volatile organic compounds (VOCs) by United States Environmental Protection Agency (USEPA) Method 8260C; and
- Total Solids by Standard Methods 2540 G-2011.

The results are reported in ESC Sample Delivery Group (SDG) L975879. The sampling event occurred between March 2 and March 27, 2018. Associated sample data are reported in ten ESC SDGs (SDGs L975879, L977245, L977743, L979219, L979234, L980300, L980719, L980722, L980954, and L980958). The quality assurance review of the sample data associated with SDG L975879 is summarized below.

DATA QUALIFICATIONS

Guidelines established by USEPA for a limited data validation review of analytical data along with ESC control limit criteria were used to validate the data. The comments presented in this memorandum refer to the laboratory's performance in meeting the quality control criteria outlined in the USEPA Contract Laboratory Program National Functional Guidelines for Organic Superfund Methods Data Review (USEPA, 2017).

DATA VALIDATION

Completeness

All samples were collected and analyzed as requested.

Sample Collection and Preservation

Samples were collected in laboratory-supplied sample containers preserved as appropriate for the individual analyses conducted. The samples were packed on ice and shipped by courier to ESC.

The laboratory reported that the cooler and samples were received at 1.0 degrees Centigrade (°C) and below the recommended temperature preservation of 6°C. The laboratory indicated that the samples were received in good condition with the following discussion:

- Review of ESC's Lab Sciences Non-Conformance Form indicates that the chain of custody showed no analysis request for samples IW-21B-60, IW-21B-67, and the trip blank. ESC notes indicate that PES confirmed the analysis request on March 12, 2018.

No data were qualified based upon the sample collection and preservation information.

Holding Times

USEPA Method 8260C:
All samples were analyzed for VOCs within the USEPA recommended holding time of fourteen days for soils and waters from the date of sample collection. All holding time criteria were met.

Total Solids by SM 2540 G 2011:
Samples were analyzed within the USEPA recommended holding time of seven days for total solids with the following exceptions:

- Soil samples IW-27B-5, IW-27B-15, IW-27B-25, and IW-27B-35 were analyzed four days past the recommended holding time. No action is taken since % solid results are not expected to be significantly changed thus final reported results are not significantly impacted.

Initial and Continuing Calibration

Calibration data for this project are not required for this deliverable however ESC's notes indicate the following:

- *USEPA Method 8260C:* Continuing calibration verification (CCV) issues were noted by ESC for acetone, bromoform, carbon disulfide, and dichlorodifluoromethane associated with soil analytical batch WG1082449 (analyzed on March 15, 2018). These results are qualified by the laboratory "J0" to indicate that percent difference CCVs are outside of laboratory acceptance criteria. **Sample IW-21B-60 results with laboratory qualified (J0) results are estimated and qualified (J/UJ).**

Method Blank Results

USEPA Method 8260C:
Laboratory method blanks were included with the analytical batch per method requirement. The target analytes (VOCs) were not detected in the method blanks at or above the reported detection limits (RDLs).

Total Solids by SM 2540 G 2011:
Laboratory method blanks were included with the analytical batches per method requirement. The target analytes (% solids) were not detected at a significant level in the method blanks and sample results are not impacted.

Trip Blank Results

USEPA Method 8260C:
A trip blank was collected and analyzed. The target analytes (VOCs) were not detected in the trip blank at or above the RDLs. Refer to the discussion under Laboratory Control Samples for additional information regarding precision and accuracy.

Field, Rinsate, or Equipment Blank Results

Field, rinsate, or equipment blanks were not collected.

Field Duplicate Analyses

Field duplicate samples were not collected with this SDG. Refer to laboratory quality control results for precision data.

Laboratory Duplicate Analyses

USEPA Method 8260C:
A laboratory duplicate sample was not analyzed. Refer to laboratory control sample/sample duplicate (LCS/LCSD) or matrix spike/matrix spike duplicates (MS/MSDs) results for precision data.

Total Solids by SM 2540 G 2011:
Laboratory duplicate sample analyses were performed on client sample IW-27B-35 and on a non-client sample within the analytical batch. The primary/duplicate RPDs for total solids analyses are within the laboratory control limit of 5%.

Surrogate Recoveries

USEPA Method 8260C:
The surrogate recovery results for the samples, LCS/LCSDs, MS/MSDs, and the method blanks are within the laboratory surrogate control limits for all of the analyses.

Laboratory Control Samples

USEPA Method 8260C:
LCS/LCSD was analyzed by USEPA Method 8260C method. The LCS/LCSD %Rs and RPDs for the all target compounds are within the laboratory control criteria for soils and waters with the following exceptions:

- Water LCS/LCSD (analytical batch WG1082568): Recoveries for spike compound (vinyl acetate) results are above laboratory acceptance criteria and qualified by the laboratory (J4). No action was taken on this basis since this compound was not detected in the associated sample (trip blank).

- Water LCS/LCSD (analytical batch WG1082568): RPD value for compound trichlorofluoromethane is above laboratory acceptance criteria and qualified (J3) by the laboratory. No action is taken as LCS/LCSD percent recovery results are within control limits but are recovered wide.

Total Solids by SM 2540 G 2011:
The LCS %Rs for total solids are within the laboratory control criteria for soils.

Matrix Spike/Matrix Spike Duplicates

USEPA Method 8260C:
Matrix spike/matrix spike duplicate (MS/MSD) analyses was performed on client soil sample IW-21B-67. The MS/MSD %Rs and RPDs for all target compounds are within the laboratory control criteria for soils with the following exceptions:

- Analytical batch WG1082449: MS/MSD recoveries for multiple spiking compounds are low and in many cases were recovered below 10%. Results are qualified as follows:
  - MS and/or MSD recoveries for eight spiking compound (n-butylbenzene, 1,3-dichlorobenzene, 1,4-dichlorobenzene, cis-1,2-dichloroethene, naphthalene, styrene, 1,2,3-trichlorobenzene, and 1,2,4-trichlorobenzene) results are below 10% and are qualified (J6) by the laboratory to indicate matrix interference. It should be noted that ESC matrix spike control limits are wide (e.g. 10-150%) and in two cases spike recoveries (n-butylbenzene and styrene) are just above and below 10%. S**ample IW-21B-67 result for cis-1,2-dichloroethene is estimated and qualified (J). Sample IW-21B-67 results for n-butylbenzene, 1,3-dichlorobenzene, 1,4-dichlorobenzene, naphthalene, styrene, 1,2,3-trichlorobenzene, and 1,2,4-trichlorobenzene are rejected (R) and are not usable due to low spike recoveries.**

Other Quality Control Issues

No laboratory quality control issues were identified in the laboratory report.

Compound Identification and Quantitation Limits

The RDLs used for this sample group are acceptable for the project. Several samples were diluted due to elevated concentrations of various target analytes. ESC sample narrative notes indicate that for soil sample IW-21B-60 the target compounds were too high to run the sample at a lower dilution.

Detections between the MDL and RDL are estimated (J) by the laboratory and qualified (J) by the data validator to re-emphasize that the detection is estimated.

Data Assessment

The laboratory data reported for this project were reviewed based on laboratory control limit acceptance criteria and criteria outlined in:

- USEPA Contract Laboratory Program National Functional Guidelines for Organic Superfund Methods Data Review (USEPA, 2017).

Data qualifiers were assigned and laboratory report pages with qualifiers are attached. All data, including qualified data, are judged to be acceptable for their intended use with the following exceptions:

- **Non-detected results (n-butylbenzene, 1,3-dichlorobenzene, 1,4-dichlorobenzene, cis-1,2-dichloroethene, naphthalene, styrene, 1,2,3-trichlorobenzene, and 1,2,4-trichlorobenzene) for sample IW-21B-67 are rejected (R) due to low spike recoveries.**

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	71.8		1	03/13/2018 12:56	WG1083648

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0160	0.0801	1.15	03/09/2018 00:00	WG1082449
Acrylonitrile	U		0.00287	0.0160	1.15	03/09/2018 00:00	WG1082449
Benzene	U		0.000432	0.00160	1.15	03/09/2018 00:00	WG1082449
Bromobenzene	U		0.000456	0.00160	1.15	03/09/2018 00:00	WG1082449
Bromodichloromethane	U		0.000407	0.00160	1.15	03/09/2018 00:00	WG1082449
Bromochloromethane	U		0.000624	0.00801	1.15	03/09/2018 00:00	WG1082449
Bromoform	U		0.000680	0.00160	1.15	03/09/2018 00:00	WG1082449
Bromomethane	U		0.00215	0.00801	1.15	03/09/2018 00:00	WG1082449
n-Butylbenzene	U		0.000414	0.00160	1.15	03/09/2018 00:00	WG1082449
sec-Butylbenzene	U		0.000322	0.00160	1.15	03/09/2018 00:00	WG1082449
tert-Butylbenzene	U		0.000330	0.00160	1.15	03/09/2018 00:00	WG1082449
Carbon disulfide	U		0.000354	0.00160	1.15	03/09/2018 00:00	WG1082449
Carbon tetrachloride	U		0.000525	0.00160	1.15	03/09/2018 00:00	WG1082449
Chlorobenzene	U		0.000340	0.00160	1.15	03/09/2018 00:00	WG1082449
Chlorodibromomethane	U		0.000598	0.00160	1.15	03/09/2018 00:00	WG1082449
Chloroethane	U		0.00152	0.00801	1.15	03/09/2018 00:00	WG1082449
Chloroform	U		0.000366	0.00801	1.15	03/09/2018 00:00	WG1082449
Chloromethane	U		0.000600	0.00401	1.15	03/09/2018 00:00	WG1082449
2-Chlorotoluene	U		0.000482	0.00160	1.15	03/09/2018 00:00	WG1082449
4-Chlorotoluene	U		0.000385	0.00160	1.15	03/09/2018 00:00	WG1082449
1,2-Dibromo-3-Chloropropane	U		0.00169	0.00801	1.15	03/09/2018 00:00	WG1082449
1,2-Dibromoethane	U		0.000549	0.00160	1.15	03/09/2018 00:00	WG1082449
Dibromomethane	U		0.000612	0.00160	1.15	03/09/2018 00:00	WG1082449
1,2-Dichlorobenzene	U		0.000489	0.00160	1.15	03/09/2018 00:00	WG1082449
1,3-Dichlorobenzene	U		0.000383	0.00160	1.15	03/09/2018 00:00	WG1082449
1,4-Dichlorobenzene	U		0.000362	0.00160	1.15	03/09/2018 00:00	WG1082449
Dichlorodifluoromethane	U		0.00114	0.00801	1.15	03/09/2018 00:00	WG1082449
1,1-Dichloroethane	U		0.000319	0.00160	1.15	03/09/2018 00:00	WG1082449
1,2-Dichloroethane	U		0.000425	0.00160	1.15	03/09/2018 00:00	WG1082449
1,1-Dichloroethene	U		0.000485	0.00160	1.15	03/09/2018 00:00	WG1082449
cis-1,2-Dichloroethene	0.0106		0.000376	0.00160	1.15	03/09/2018 00:00	WG1082449
trans-1,2-Dichloroethene	U		0.000424	0.00160	1.15	03/09/2018 00:00	WG1082449
1,2-Dichloropropane	U		0.000574	0.00160	1.15	03/09/2018 00:00	WG1082449
1,1-Dichloropropene	U		0.000507	0.00160	1.15	03/09/2018 00:00	WG1082449
1,3-Dichloropropane	U		0.000332	0.00160	1.15	03/09/2018 00:00	WG1082449
cis-1,3-Dichloropropene	U		0.000419	0.00160	1.15	03/09/2018 00:00	WG1082449
trans-1,3-Dichloropropene	U		0.000428	0.00160	1.15	03/09/2018 00:00	WG1082449
trans-1,4-Dichloro-2-butene	U		0.00125	0.00401	1.15	03/09/2018 00:00	WG1082449
2,2-Dichloropropane	U		0.000447	0.00160	1.15	03/09/2018 00:00	WG1082449
Di-isopropyl ether	U		0.000397	0.00160	1.15	03/09/2018 00:00	WG1082449
Ethylbenzene	U		0.000476	0.00160	1.15	03/09/2018 00:00	WG1082449
Hexachloro-1,3-butadiene	U		0.000548	0.00160	1.15	03/09/2018 00:00	WG1082449
2-Hexanone	U		0.00220	0.0160	1.15	03/09/2018 00:00	WG1082449
n-Hexane	0.00103	J J	0.000465	0.0160	1.15	03/09/2018 00:00	WG1082449
Iodomethane	U		0.00405	0.0160	1.15	03/09/2018 00:00	WG1082449
Isopropylbenzene	U		0.000389	0.00160	1.15	03/09/2018 00:00	WG1082449
p-Isopropyltoluene	U		0.000327	0.00160	1.15	03/09/2018 00:00	WG1082449
2-Butanone (MEK)	U		0.00750	0.0160	1.15	03/09/2018 00:00	WG1082449
Methylene Chloride	U		0.00160	0.00801	1.15	03/09/2018 00:00	WG1082449
4-Methyl-2-pentanone (MIBK)	U		0.00301	0.0160	1.15	03/09/2018 00:00	WG1082449

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000340	0.00160	1.15	03/09/2018 00:00	WG1082449
Naphthalene	U		0.00160	0.00801	1.15	03/09/2018 00:00	WG1082449
n-Propylbenzene	U		0.000330	0.00160	1.15	03/09/2018 00:00	WG1082449
Styrene	U		0.000375	0.00160	1.15	03/09/2018 00:00	WG1082449
1,1,1,2-Tetrachloroethane	U		0.000424	0.00160	1.15	03/09/2018 00:00	WG1082449
1,1,2,2-Tetrachloroethane	U		0.000585	0.00160	1.15	03/09/2018 00:00	WG1082449
1,1,2-Trichlorotrifluoroethane	U		0.000585	0.00160	1.15	03/09/2018 00:00	WG1082449
Tetrachloroethene	0.0678		0.000442	0.00160	1.15	03/09/2018 00:00	WG1082449
Toluene	U		0.000695	0.00801	1.15	03/09/2018 00:00	WG1082449
1,2,3-Trichlorobenzene	U		0.000490	0.00160	1.15	03/09/2018 00:00	WG1082449
1,2,4-Trichlorobenzene	U		0.000621	0.00160	1.15	03/09/2018 00:00	WG1082449
1,1,1-Trichloroethane	U		0.000458	0.00160	1.15	03/09/2018 00:00	WG1082449
1,1,2-Trichloroethane	U		0.000443	0.00160	1.15	03/09/2018 00:00	WG1082449
Trichloroethene	0.0248		0.000447	0.00160	1.15	03/09/2018 00:00	WG1082449
Trichlorofluoromethane	U		0.000612	0.00801	1.15	03/09/2018 00:00	WG1082449
1,2,3-Trichloropropane	U		0.00119	0.00401	1.15	03/09/2018 00:00	WG1082449
1,2,4-Trimethylbenzene	U		0.000339	0.00160	1.15	03/09/2018 00:00	WG1082449
1,2,3-Trimethylbenzene	U		0.000460	0.00160	1.15	03/09/2018 00:00	WG1082449
1,3,5-Trimethylbenzene	U		0.000426	0.00160	1.15	03/09/2018 00:00	WG1082449
Vinyl acetate	U		0.00383	0.0160	1.15	03/09/2018 00:00	WG1082449
Vinyl chloride	U		0.000467	0.00160	1.15	03/09/2018 00:00	WG1082449
Xylenes, Total	U		0.00112	0.00481	1.15	03/09/2018 00:00	WG1082449
(S) Toluene-d8	*86.4*			*80.0-120*		*03/09/2018 00:00*	WG1082449
(S) Dibromofluoromethane	*124*			*74.0-131*		*03/09/2018 00:00*	WG1082449
(S) 4-Bromofluorobenzene	*107*			*64.0-132*		*03/09/2018 00:00*	WG1082449

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1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	70.2		1	03/13/2018 12:56	WG1083648

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.0649	J J	0.0142	0.0712	1	03/09/2018 00:20	WG1082449
Acrylonitrile	U		0.00255	0.0142	1	03/09/2018 00:20	WG1082449
Benzene	0.00393		0.000385	0.00142	1	03/09/2018 00:20	WG1082449
Bromobenzene	U		0.000404	0.00142	1	03/09/2018 00:20	WG1082449
Bromodichloromethane	U		0.000362	0.00142	1	03/09/2018 00:20	WG1082449
Bromochloromethane	U		0.000555	0.00712	1	03/09/2018 00:20	WG1082449
Bromoform	U		0.000604	0.00142	1	03/09/2018 00:20	WG1082449
Bromomethane	U		0.00191	0.00712	1	03/09/2018 00:20	WG1082449
n-Butylbenzene	U		0.000367	0.00142	1	03/09/2018 00:20	WG1082449
sec-Butylbenzene	U		0.000286	0.00142	1	03/09/2018 00:20	WG1082449
tert-Butylbenzene	U		0.000293	0.00142	1	03/09/2018 00:20	WG1082449
Carbon disulfide	0.00228		0.000315	0.00142	1	03/09/2018 00:20	WG1082449
Carbon tetrachloride	U		0.000467	0.00142	1	03/09/2018 00:20	WG1082449
Chlorobenzene	U		0.000302	0.00142	1	03/09/2018 00:20	WG1082449
Chlorodibromomethane	U		0.000531	0.00142	1	03/09/2018 00:20	WG1082449
Chloroethane	U		0.00135	0.00712	1	03/09/2018 00:20	WG1082449
Chloroform	U		0.000326	0.00712	1	03/09/2018 00:20	WG1082449
Chloromethane	U		0.000534	0.00356	1	03/09/2018 00:20	WG1082449
2-Chlorotoluene	U		0.000429	0.00142	1	03/09/2018 00:20	WG1082449
4-Chlorotoluene	U		0.000342	0.00142	1	03/09/2018 00:20	WG1082449
1,2-Dibromo-3-Chloropropane	U		0.00150	0.00712	1	03/09/2018 00:20	WG1082449
1,2-Dibromoethane	U		0.000488	0.00142	1	03/09/2018 00:20	WG1082449
Dibromomethane	U		0.000544	0.00142	1	03/09/2018 00:20	WG1082449
1,2-Dichlorobenzene	U		0.000434	0.00142	1	03/09/2018 00:20	WG1082449
1,3-Dichlorobenzene	U		0.000340	0.00142	1	03/09/2018 00:20	WG1082449
1,4-Dichlorobenzene	U		0.000322	0.00142	1	03/09/2018 00:20	WG1082449
Dichlorodifluoromethane	U		0.00102	0.00712	1	03/09/2018 00:20	WG1082449
1,1-Dichloroethane	U		0.000283	0.00142	1	03/09/2018 00:20	WG1082449
1,2-Dichloroethane	U		0.000377	0.00142	1	03/09/2018 00:20	WG1082449
1,1-Dichloroethene	U		0.000432	0.00142	1	03/09/2018 00:20	WG1082449
cis-1,2-Dichloroethene	0.00218		0.000335	0.00142	1	03/09/2018 00:20	WG1082449
trans-1,2-Dichloroethene	U		0.000376	0.00142	1	03/09/2018 00:20	WG1082449
1,2-Dichloropropane	U		0.000510	0.00142	1	03/09/2018 00:20	WG1082449
1,1-Dichloropropene	U		0.000451	0.00142	1	03/09/2018 00:20	WG1082449
1,3-Dichloropropane	U		0.000295	0.00142	1	03/09/2018 00:20	WG1082449
cis-1,3-Dichloropropene	U		0.000373	0.00142	1	03/09/2018 00:20	WG1082449
trans-1,3-Dichloropropene	U		0.000380	0.00142	1	03/09/2018 00:20	WG1082449
trans-1,4-Dichloro-2-butene	U		0.00111	0.00356	1	03/09/2018 00:20	WG1082449
2,2-Dichloropropane	U		0.000397	0.00142	1	03/09/2018 00:20	WG1082449
Di-isopropyl ether	U		0.000353	0.00142	1	03/09/2018 00:20	WG1082449
Ethylbenzene	U		0.000423	0.00142	1	03/09/2018 00:20	WG1082449
Hexachloro-1,3-butadiene	U		0.000487	0.00142	1	03/09/2018 00:20	WG1082449
2-Hexanone	U		0.00195	0.0142	1	03/09/2018 00:20	WG1082449
n-Hexane	0.00233	J J	0.000413	0.0142	1	03/09/2018 00:20	WG1082449
Iodomethane	U		0.00360	0.0142	1	03/09/2018 00:20	WG1082449
Isopropylbenzene	U		0.000346	0.00142	1	03/09/2018 00:20	WG1082449
p-Isopropyltoluene	0.00167		0.000291	0.00142	1	03/09/2018 00:20	WG1082449
2-Butanone (MEK)	0.0258		0.00667	0.0142	1	03/09/2018 00:20	WG1082449
Methylene Chloride	U		0.00142	0.00712	1	03/09/2018 00:20	WG1082449
4-Methyl-2-pentanone (MIBK)	U		0.00268	0.0142	1	03/09/2018 00:20	WG1082449

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IW-27B-15

Collected date/time: 03/02/18 09:25

SAMPLE RESULTS - 02

L975879

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000302	0.00142	1	03/09/2018 00:20	WG1082449
Naphthalene	U		0.00142	0.00712	1	03/09/2018 00:20	WG1082449
n-Propylbenzene	U		0.000293	0.00142	1	03/09/2018 00:20	WG1082449
Styrene	U		0.000333	0.00142	1	03/09/2018 00:20	WG1082449
1,1,1,2-Tetrachloroethane	U		0.000376	0.00142	1	03/09/2018 00:20	WG1082449
1,1,2,2-Tetrachloroethane	U		0.000520	0.00142	1	03/09/2018 00:20	WG1082449
1,1,2-Trichlorotrifluoroethane	U		0.000520	0.00142	1	03/09/2018 00:20	WG1082449
Tetrachloroethene	0.0178		0.000393	0.00142	1	03/09/2018 00:20	WG1082449
Toluene	0.00124	J J	0.000618	0.00712	1	03/09/2018 00:20	WG1082449
1,2,3-Trichlorobenzene	U		0.000436	0.00142	1	03/09/2018 00:20	WG1082449
1,2,4-Trichlorobenzene	U		0.000553	0.00142	1	03/09/2018 00:20	WG1082449
1,1,1-Trichloroethane	U		0.000407	0.00142	1	03/09/2018 00:20	WG1082449
1,1,2-Trichloroethane	U		0.000394	0.00142	1	03/09/2018 00:20	WG1082449
Trichloroethene	0.00435		0.000397	0.00142	1	03/09/2018 00:20	WG1082449
Trichlorofluoromethane	U		0.000544	0.00712	1	03/09/2018 00:20	WG1082449
1,2,3-Trichloropropane	U		0.00106	0.00356	1	03/09/2018 00:20	WG1082449
1,2,4-Trimethylbenzene	0.000398	J J	0.000300	0.00142	1	03/09/2018 00:20	WG1082449
1,2,3-Trimethylbenzene	U		0.000409	0.00142	1	03/09/2018 00:20	WG1082449
1,3,5-Trimethylbenzene	U		0.000379	0.00142	1	03/09/2018 00:20	WG1082449
Vinyl acetate	U		0.00340	0.0142	1	03/09/2018 00:20	WG1082449
Vinyl chloride	0.000493	J J	0.000414	0.00142	1	03/09/2018 00:20	WG1082449
Xylenes, Total	U		0.000994	0.00427	1	03/09/2018 00:20	WG1082449
(S) Toluene-d8	*89.2*			*80.0-120*		*03/09/2018 00:20*	WG1082449
(S) Dibromofluoromethane	*119*			*74.0-131*		*03/09/2018 00:20*	WG1082449
(S) 4-Bromofluorobenzene	*119*			*64.0-132*		*03/09/2018 00:20*	WG1082449

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Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	86.0		1	03/13/2018 12:56	WG1083648

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0116	0.0582	1	03/09/2018 00:40	WG1082449
Acrylonitrile	U		0.00208	0.0116	1	03/09/2018 00:40	WG1082449
Benzene	U		0.000314	0.00116	1	03/09/2018 00:40	WG1082449
Bromobenzene	U		0.000330	0.00116	1	03/09/2018 00:40	WG1082449
Bromodichloromethane	U		0.000295	0.00116	1	03/09/2018 00:40	WG1082449
Bromochloromethane	U		0.000454	0.00582	1	03/09/2018 00:40	WG1082449
Bromoform	U		0.000493	0.00116	1	03/09/2018 00:40	WG1082449
Bromomethane	U		0.00156	0.00582	1	03/09/2018 00:40	WG1082449
n-Butylbenzene	U		0.000300	0.00116	1	03/09/2018 00:40	WG1082449
sec-Butylbenzene	U		0.000234	0.00116	1	03/09/2018 00:40	WG1082449
tert-Butylbenzene	U		0.000240	0.00116	1	03/09/2018 00:40	WG1082449
Carbon disulfide	U		0.000257	0.00116	1	03/09/2018 00:40	WG1082449
Carbon tetrachloride	U		0.000381	0.00116	1	03/09/2018 00:40	WG1082449
Chlorobenzene	U		0.000247	0.00116	1	03/09/2018 00:40	WG1082449
Chlorodibromomethane	U		0.000434	0.00116	1	03/09/2018 00:40	WG1082449
Chloroethane	U		0.00110	0.00582	1	03/09/2018 00:40	WG1082449
Chloroform	U		0.000266	0.00582	1	03/09/2018 00:40	WG1082449
Chloromethane	U		0.000436	0.00291	1	03/09/2018 00:40	WG1082449
2-Chlorotoluene	U		0.000350	0.00116	1	03/09/2018 00:40	WG1082449
4-Chlorotoluene	U		0.000279	0.00116	1	03/09/2018 00:40	WG1082449
1,2-Dibromo-3-Chloropropane	U		0.00122	0.00582	1	03/09/2018 00:40	WG1082449
1,2-Dibromoethane	U		0.000399	0.00116	1	03/09/2018 00:40	WG1082449
Dibromomethane	U		0.000444	0.00116	1	03/09/2018 00:40	WG1082449
1,2-Dichlorobenzene	U		0.000355	0.00116	1	03/09/2018 00:40	WG1082449
1,3-Dichlorobenzene	U		0.000278	0.00116	1	03/09/2018 00:40	WG1082449
1,4-Dichlorobenzene	U		0.000263	0.00116	1	03/09/2018 00:40	WG1082449
Dichlorodifluoromethane	U		0.000829	0.00582	1	03/09/2018 00:40	WG1082449
1,1-Dichloroethane	U		0.000231	0.00116	1	03/09/2018 00:40	WG1082449
1,2-Dichloroethane	U		0.000308	0.00116	1	03/09/2018 00:40	WG1082449
1,1-Dichloroethene	U		0.000352	0.00116	1	03/09/2018 00:40	WG1082449
cis-1,2-Dichloroethene	U		0.000273	0.00116	1	03/09/2018 00:40	WG1082449
trans-1,2-Dichloroethene	U		0.000307	0.00116	1	03/09/2018 00:40	WG1082449
1,2-Dichloropropane	U		0.000416	0.00116	1	03/09/2018 00:40	WG1082449
1,1-Dichloropropene	U		0.000369	0.00116	1	03/09/2018 00:40	WG1082449
1,3-Dichloropropane	U		0.000241	0.00116	1	03/09/2018 00:40	WG1082449
cis-1,3-Dichloropropene	U		0.000305	0.00116	1	03/09/2018 00:40	WG1082449
trans-1,3-Dichloropropene	U		0.000311	0.00116	1	03/09/2018 00:40	WG1082449
trans-1,4-Dichloro-2-butene	U		0.000905	0.00291	1	03/09/2018 00:40	WG1082449
2,2-Dichloropropane	U		0.000324	0.00116	1	03/09/2018 00:40	WG1082449
Di-isopropyl ether	U		0.000288	0.00116	1	03/09/2018 00:40	WG1082449
Ethylbenzene	U		0.000345	0.00116	1	03/09/2018 00:40	WG1082449
Hexachloro-1,3-butadiene	U		0.000398	0.00116	1	03/09/2018 00:40	WG1082449
2-Hexanone	U		0.00159	0.0116	1	03/09/2018 00:40	WG1082449
n-Hexane	U		0.000337	0.0116	1	03/09/2018 00:40	WG1082449
Iodomethane	U		0.00294	0.0116	1	03/09/2018 00:40	WG1082449
Isopropylbenzene	U		0.000283	0.00116	1	03/09/2018 00:40	WG1082449
p-Isopropyltoluene	U		0.000237	0.00116	1	03/09/2018 00:40	WG1082449
2-Butanone (MEK)	U		0.00544	0.0116	1	03/09/2018 00:40	WG1082449
Methylene Chloride	U		0.00116	0.00582	1	03/09/2018 00:40	WG1082449
4-Methyl-2-pentanone (MIBK)	U		0.00219	0.0116	1	03/09/2018 00:40	WG1082449

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000247	0.00116	1	03/09/2018 00:40	WG1082449
Naphthalene	U		0.00116	0.00582	1	03/09/2018 00:40	WG1082449
n-Propylbenzene	U		0.000240	0.00116	1	03/09/2018 00:40	WG1082449
Styrene	U		0.000272	0.00116	1	03/09/2018 00:40	WG1082449
1,1,1,2-Tetrachloroethane	U		0.000307	0.00116	1	03/09/2018 00:40	WG1082449
1,1,2,2-Tetrachloroethane	U		0.000425	0.00116	1	03/09/2018 00:40	WG1082449
1,1,2-Trichlorotrifluoroethane	U		0.000425	0.00116	1	03/09/2018 00:40	WG1082449
Tetrachloroethene	U		0.000321	0.00116	1	03/09/2018 00:40	WG1082449
Toluene	U		0.000505	0.00582	1	03/09/2018 00:40	WG1082449
1,2,3-Trichlorobenzene	U		0.000356	0.00116	1	03/09/2018 00:40	WG1082449
1,2,4-Trichlorobenzene	U		0.000451	0.00116	1	03/09/2018 00:40	WG1082449
1,1,1-Trichloroethane	U		0.000333	0.00116	1	03/09/2018 00:40	WG1082449
1,1,2-Trichloroethane	U		0.000322	0.00116	1	03/09/2018 00:40	WG1082449
Trichloroethene	U		0.000324	0.00116	1	03/09/2018 00:40	WG1082449
Trichlorofluoromethane	U		0.000444	0.00582	1	03/09/2018 00:40	WG1082449
1,2,3-Trichloropropane	U		0.000862	0.00291	1	03/09/2018 00:40	WG1082449
1,2,4-Trimethylbenzene	U		0.000245	0.00116	1	03/09/2018 00:40	WG1082449
1,2,3-Trimethylbenzene	U		0.000334	0.00116	1	03/09/2018 00:40	WG1082449
1,3,5-Trimethylbenzene	U		0.000309	0.00116	1	03/09/2018 00:40	WG1082449
Vinyl acetate	U		0.00278	0.0116	1	03/09/2018 00:40	WG1082449
Vinyl chloride	U		0.000338	0.00116	1	03/09/2018 00:40	WG1082449
Xylenes, Total	U		0.000812	0.00349	1	03/09/2018 00:40	WG1082449
(S) Toluene-d8	*93.2*			*80.0-120*		*03/09/2018 00:40*	WG1082449
(S) Dibromofluoromethane	*116*			*74.0-131*		*03/09/2018 00:40*	WG1082449
(S) 4-Bromofluorobenzene	*102*			*64.0-132*		*03/09/2018 00:40*	WG1082449

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

JC 4/10/18

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	87.4		1	03/13/2018 12:56	WG1083648

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0114	0.0572	1	03/09/2018 01:00	WG1082449
Acrylonitrile	U		0.00205	0.0114	1	03/09/2018 01:00	WG1082449
Benzene	U		0.000309	0.00114	1	03/09/2018 01:00	WG1082449
Bromobenzene	U		0.000325	0.00114	1	03/09/2018 01:00	WG1082449
Bromodichloromethane	U		0.000291	0.00114	1	03/09/2018 01:00	WG1082449
Bromochloromethane	U		0.000446	0.00572	1	03/09/2018 01:00	WG1082449
Bromoform	U		0.000485	0.00114	1	03/09/2018 01:00	WG1082449
Bromomethane	U		0.00153	0.00572	1	03/09/2018 01:00	WG1082449
n-Butylbenzene	U		0.000295	0.00114	1	03/09/2018 01:00	WG1082449
sec-Butylbenzene	U		0.000230	0.00114	1	03/09/2018 01:00	WG1082449
tert-Butylbenzene	U		0.000236	0.00114	1	03/09/2018 01:00	WG1082449
Carbon disulfide	0.00139		0.000253	0.00114	1	03/09/2018 01:00	WG1082449
Carbon tetrachloride	U		0.000375	0.00114	1	03/09/2018 01:00	WG1082449
Chlorobenzene	U		0.000243	0.00114	1	03/09/2018 01:00	WG1082449
Chlorodibromomethane	U		0.000427	0.00114	1	03/09/2018 01:00	WG1082449
Chloroethane	U		0.00108	0.00572	1	03/09/2018 01:00	WG1082449
Chloroform	U		0.000262	0.00572	1	03/09/2018 01:00	WG1082449
Chloromethane	U		0.000429	0.00286	1	03/09/2018 01:00	WG1082449
2-Chlorotoluene	U		0.000344	0.00114	1	03/09/2018 01:00	WG1082449
4-Chlorotoluene	U		0.000275	0.00114	1	03/09/2018 01:00	WG1082449
1,2-Dibromo-3-Chloropropane	U		0.00120	0.00572	1	03/09/2018 01:00	WG1082449
1,2-Dibromoethane	U		0.000393	0.00114	1	03/09/2018 01:00	WG1082449
Dibromomethane	U		0.000437	0.00114	1	03/09/2018 01:00	WG1082449
1,2-Dichlorobenzene	U		0.000349	0.00114	1	03/09/2018 01:00	WG1082449
1,3-Dichlorobenzene	U		0.000274	0.00114	1	03/09/2018 01:00	WG1082449
1,4-Dichlorobenzene	U		0.000259	0.00114	1	03/09/2018 01:00	WG1082449
Dichlorodifluoromethane	U		0.000816	0.00572	1	03/09/2018 01:00	WG1082449
1,1-Dichloroethane	U		0.000228	0.00114	1	03/09/2018 01:00	WG1082449
1,2-Dichloroethane	U		0.000303	0.00114	1	03/09/2018 01:00	WG1082449
1,1-Dichloroethene	0.000468	J J	0.000347	0.00114	1	03/09/2018 01:00	WG1082449
cis-1,2-Dichloroethene	0.108		0.000269	0.00114	1	03/09/2018 01:00	WG1082449
trans-1,2-Dichloroethene	0.0120		0.000302	0.00114	1	03/09/2018 01:00	WG1082449
1,2-Dichloropropane	U		0.000410	0.00114	1	03/09/2018 01:00	WG1082449
1,1-Dichloropropene	U		0.000363	0.00114	1	03/09/2018 01:00	WG1082449
1,3-Dichloropropane	U		0.000237	0.00114	1	03/09/2018 01:00	WG1082449
cis-1,3-Dichloropropene	U		0.000300	0.00114	1	03/09/2018 01:00	WG1082449
trans-1,3-Dichloropropene	U		0.000306	0.00114	1	03/09/2018 01:00	WG1082449
trans-1,4-Dichloro-2-butene	U		0.000890	0.00286	1	03/09/2018 01:00	WG1082449
2,2-Dichloropropane	U		0.000319	0.00114	1	03/09/2018 01:00	WG1082449
Di-isopropyl ether	U		0.000284	0.00114	1	03/09/2018 01:00	WG1082449
Ethylbenzene	U		0.000340	0.00114	1	03/09/2018 01:00	WG1082449
Hexachloro-1,3-butadiene	U		0.000391	0.00114	1	03/09/2018 01:00	WG1082449
2-Hexanone	U		0.00157	0.0114	1	03/09/2018 01:00	WG1082449
n-Hexane	U		0.000332	0.0114	1	03/09/2018 01:00	WG1082449
Iodomethane	U		0.00290	0.0114	1	03/09/2018 01:00	WG1082449
Isopropylbenzene	U		0.000278	0.00114	1	03/09/2018 01:00	WG1082449
p-Isopropyltoluene	U		0.000233	0.00114	1	03/09/2018 01:00	WG1082449
2-Butanone (MEK)	U		0.00536	0.0114	1	03/09/2018 01:00	WG1082449
Methylene Chloride	U		0.00114	0.00572	1	03/09/2018 01:00	WG1082449
4-Methyl-2-pentanone (MIBK)	U		0.00215	0.0114	1	03/09/2018 01:00	WG1082449

JC 4/10/18

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000243	0.00114	1	03/09/2018 01:00	WG1082449
Naphthalene	U		0.00114	0.00572	1	03/09/2018 01:00	WG1082449
n-Propylbenzene	U		0.000236	0.00114	1	03/09/2018 01:00	WG1082449
Styrene	U		0.000268	0.00114	1	03/09/2018 01:00	WG1082449
1,1,1,2-Tetrachloroethane	U		0.000302	0.00114	1	03/09/2018 01:00	WG1082449
1,1,2,2-Tetrachloroethane	U		0.000418	0.00114	1	03/09/2018 01:00	WG1082449
1,1,2-Trichlorotrifluoroethane	U		0.000418	0.00114	1	03/09/2018 01:00	WG1082449
Tetrachloroethene	0.00114	J J	0.000316	0.00114	1	03/09/2018 01:00	WG1082449
Toluene	U		0.000497	0.00572	1	03/09/2018 01:00	WG1082449
1,2,3-Trichlorobenzene	U		0.000350	0.00114	1	03/09/2018 01:00	WG1082449
1,2,4-Trichlorobenzene	U		0.000444	0.00114	1	03/09/2018 01:00	WG1082449
1,1,1-Trichloroethane	U		0.000327	0.00114	1	03/09/2018 01:00	WG1082449
1,1,2-Trichloroethane	U		0.000317	0.00114	1	03/09/2018 01:00	WG1082449
Trichloroethene	0.000325	J J	0.000319	0.00114	1	03/09/2018 01:00	WG1082449
Trichlorofluoromethane	U		0.000437	0.00572	1	03/09/2018 01:00	WG1082449
1,2,3-Trichloropropane	U		0.000848	0.00286	1	03/09/2018 01:00	WG1082449
1,2,4-Trimethylbenzene	U		0.000241	0.00114	1	03/09/2018 01:00	WG1082449
1,2,3-Trimethylbenzene	U		0.000328	0.00114	1	03/09/2018 01:00	WG1082449
1,3,5-Trimethylbenzene	U		0.000304	0.00114	1	03/09/2018 01:00	WG1082449
Vinyl acetate	U		0.00274	0.0114	1	03/09/2018 01:00	WG1082449
Vinyl chloride	0.0195		0.000333	0.00114	1	03/09/2018 01:00	WG1082449
Xylenes, Total	U		0.000799	0.00343	1	03/09/2018 01:00	WG1082449
(S) Toluene-d8	*93.9*			*80.0-120*		*03/09/2018 01:00*	WG1082449
(S) Dibromofluoromethane	*115*			*74.0-131*		*03/09/2018 01:00*	WG1082449
(S) 4-Bromofluorobenzene	*102*			*64.0-132*		*03/09/2018 01:00*	WG1082449

JC 4/10/18

IW-21B-5
Collected date/time: 03/06/18 08:38

SAMPLE RESULTS - 05
L975879

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	68.1		1	03/13/2018 12:56	WG1083648

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0181	0.0903	1.23	03/09/2018 01:20	WG1082449
Acrylonitrile	U		0.00323	0.0181	1.23	03/09/2018 01:20	WG1082449
Benzene	U		0.000488	0.00181	1.23	03/09/2018 01:20	WG1082449
Bromobenzene	U		0.000513	0.00181	1.23	03/09/2018 01:20	WG1082449
Bromodichloromethane	U		0.000458	0.00181	1.23	03/09/2018 01:20	WG1082449
Bromochloromethane	U		0.000705	0.00903	1.23	03/09/2018 01:20	WG1082449
Bromoform	U		0.000767	0.00181	1.23	03/09/2018 01:20	WG1082449
Bromomethane	U		0.00242	0.00903	1.23	03/09/2018 01:20	WG1082449
n-Butylbenzene	U		0.000466	0.00181	1.23	03/09/2018 01:20	WG1082449
sec-Butylbenzene	U		0.000363	0.00181	1.23	03/09/2018 01:20	WG1082449
tert-Butylbenzene	U		0.000372	0.00181	1.23	03/09/2018 01:20	WG1082449
Carbon disulfide	U		0.000400	0.00181	1.23	03/09/2018 01:20	WG1082449
Carbon tetrachloride	U		0.000592	0.00181	1.23	03/09/2018 01:20	WG1082449
Chlorobenzene	U		0.000383	0.00181	1.23	03/09/2018 01:20	WG1082449
Chlorodibromomethane	U		0.000674	0.00181	1.23	03/09/2018 01:20	WG1082449
Chloroethane	U		0.00170	0.00903	1.23	03/09/2018 01:20	WG1082449
Chloroform	U		0.000414	0.00903	1.23	03/09/2018 01:20	WG1082449
Chloromethane	U		0.000677	0.00452	1.23	03/09/2018 01:20	WG1082449
2-Chlorotoluene	U		0.000544	0.00181	1.23	03/09/2018 01:20	WG1082449
4-Chlorotoluene	U		0.000433	0.00181	1.23	03/09/2018 01:20	WG1082449
1,2-Dibromo-3-Chloropropane	U		0.00190	0.00903	1.23	03/09/2018 01:20	WG1082449
1,2-Dibromoethane	U		0.000620	0.00181	1.23	03/09/2018 01:20	WG1082449
Dibromomethane	U		0.000690	0.00181	1.23	03/09/2018 01:20	WG1082449
1,2-Dichlorobenzene	U		0.000551	0.00181	1.23	03/09/2018 01:20	WG1082449
1,3-Dichlorobenzene	U		0.000432	0.00181	1.23	03/09/2018 01:20	WG1082449
1,4-Dichlorobenzene	U		0.000408	0.00181	1.23	03/09/2018 01:20	WG1082449
Dichlorodifluoromethane	U		0.00129	0.00903	1.23	03/09/2018 01:20	WG1082449
1,1-Dichloroethane	U		0.000360	0.00181	1.23	03/09/2018 01:20	WG1082449
1,2-Dichloroethane	U		0.000479	0.00181	1.23	03/09/2018 01:20	WG1082449
1,1-Dichloroethene	U		0.000548	0.00181	1.23	03/09/2018 01:20	WG1082449
cis-1,2-Dichloroethene	0.00711		0.000425	0.00181	1.23	03/09/2018 01:20	WG1082449
trans-1,2-Dichloroethene	U		0.000477	0.00181	1.23	03/09/2018 01:20	WG1082449
1,2-Dichloropropane	U		0.000646	0.00181	1.23	03/09/2018 01:20	WG1082449
1,1-Dichloropropene	U		0.000573	0.00181	1.23	03/09/2018 01:20	WG1082449
1,3-Dichloropropane	U		0.000375	0.00181	1.23	03/09/2018 01:20	WG1082449
cis-1,3-Dichloropropene	U		0.000473	0.00181	1.23	03/09/2018 01:20	WG1082449
trans-1,3-Dichloropropene	U		0.000482	0.00181	1.23	03/09/2018 01:20	WG1082449
trans-1,4-Dichloro-2-butene	U		0.00141	0.00452	1.23	03/09/2018 01:20	WG1082449
2,2-Dichloropropane	U		0.000504	0.00181	1.23	03/09/2018 01:20	WG1082449
Di-isopropyl ether	U		0.000448	0.00181	1.23	03/09/2018 01:20	WG1082449
Ethylbenzene	U		0.000536	0.00181	1.23	03/09/2018 01:20	WG1082449
Hexachloro-1,3-butadiene	U		0.000618	0.00181	1.23	03/09/2018 01:20	WG1082449
2-Hexanone	U		0.00247	0.0181	1.23	03/09/2018 01:20	WG1082449
n-Hexane	U		0.000524	0.0181	1.23	03/09/2018 01:20	WG1082449
Iodomethane	U		0.00457	0.0181	1.23	03/09/2018 01:20	WG1082449
Isopropylbenzene	U		0.000439	0.00181	1.23	03/09/2018 01:20	WG1082449
p-Isopropyltoluene	U		0.000369	0.00181	1.23	03/09/2018 01:20	WG1082449
2-Butanone (MEK)	U		0.00846	0.0181	1.23	03/09/2018 01:20	WG1082449
Methylene Chloride	U		0.00181	0.00903	1.23	03/09/2018 01:20	WG1082449
4-Methyl-2-pentanone (MIBK)	U		0.00339	0.0181	1.23	03/09/2018 01:20	WG1082449

JC 4/10/18

IW-21B-5

Collected date/time: 03/06/18 08:38

SAMPLE RESULTS - 05

L975879

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000383	0.00181	1.23	03/09/2018 01:20	WG1082449
Naphthalene	U		0.00181	0.00903	1.23	03/09/2018 01:20	WG1082449
n-Propylbenzene	U		0.000372	0.00181	1.23	03/09/2018 01:20	WG1082449
Styrene	U		0.000423	0.00181	1.23	03/09/2018 01:20	WG1082449
1,1,1,2-Tetrachloroethane	U		0.000477	0.00181	1.23	03/09/2018 01:20	WG1082449
1,1,2,2-Tetrachloroethane	U		0.000660	0.00181	1.23	03/09/2018 01:20	WG1082449
1,1,2-Trichlorotrifluoroethane	U		0.000660	0.00181	1.23	03/09/2018 01:20	WG1082449
Tetrachloroethene	0.0140		0.000498	0.00181	1.23	03/09/2018 01:20	WG1082449
Toluene	U		0.000784	0.00903	1.23	03/09/2018 01:20	WG1082449
1,2,3-Trichlorobenzene	U		0.000552	0.00181	1.23	03/09/2018 01:20	WG1082449
1,2,4-Trichlorobenzene	U		0.000701	0.00181	1.23	03/09/2018 01:20	WG1082449
1,1,1-Trichloroethane	U		0.000517	0.00181	1.23	03/09/2018 01:20	WG1082449
1,1,2-Trichloroethane	U		0.000501	0.00181	1.23	03/09/2018 01:20	WG1082449
Trichloroethene	0.00659		0.000504	0.00181	1.23	03/09/2018 01:20	WG1082449
Trichlorofluoromethane	U		0.000690	0.00903	1.23	03/09/2018 01:20	WG1082449
1,2,3-Trichloropropane	U		0.00134	0.00452	1.23	03/09/2018 01:20	WG1082449
1,2,4-Trimethylbenzene	U		0.000382	0.00181	1.23	03/09/2018 01:20	WG1082449
1,2,3-Trimethylbenzene	U		0.000519	0.00181	1.23	03/09/2018 01:20	WG1082449
1,3,5-Trimethylbenzene	U		0.000480	0.00181	1.23	03/09/2018 01:20	WG1082449
Vinyl acetate	U		0.00432	0.0181	1.23	03/09/2018 01:20	WG1082449
Vinyl chloride	U		0.000526	0.00181	1.23	03/09/2018 01:20	WG1082449
Xylenes, Total	U		0.00126	0.00542	1.23	03/09/2018 01:20	WG1082449
(S) Toluene-d8	*90.1*			*80.0-120*		*03/09/2018 01:20*	WG1082449
(S) Dibromofluoromethane	*123*			*74.0-131*		*03/09/2018 01:20*	WG1082449
(S) 4-Bromofluorobenzene	*96.5*			*64.0-132*		*03/09/2018 01:20*	WG1082449

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

JC 4/10/18

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	82.0		1	03/13/2018 12:42	WG1083649

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.0147	J J	0.0122	0.0610	1	03/09/2018 01:40	WG1082449
Acrylonitrile	U		0.00218	0.0122	1	03/09/2018 01:40	WG1082449
Benzene	U		0.000329	0.00122	1	03/09/2018 01:40	WG1082449
Bromobenzene	U		0.000346	0.00122	1	03/09/2018 01:40	WG1082449
Bromodichloromethane	U		0.000310	0.00122	1	03/09/2018 01:40	WG1082449
Bromochloromethane	U		0.000475	0.00610	1	03/09/2018 01:40	WG1082449
Bromoform	U		0.000517	0.00122	1	03/09/2018 01:40	WG1082449
Bromomethane	U		0.00163	0.00610	1	03/09/2018 01:40	WG1082449
n-Butylbenzene	U		0.000315	0.00122	1	03/09/2018 01:40	WG1082449
sec-Butylbenzene	U		0.000245	0.00122	1	03/09/2018 01:40	WG1082449
tert-Butylbenzene	U		0.000251	0.00122	1	03/09/2018 01:40	WG1082449
Carbon disulfide	U		0.000269	0.00122	1	03/09/2018 01:40	WG1082449
Carbon tetrachloride	U		0.000400	0.00122	1	03/09/2018 01:40	WG1082449
Chlorobenzene	U		0.000258	0.00122	1	03/09/2018 01:40	WG1082449
Chlorodibromomethane	U		0.000455	0.00122	1	03/09/2018 01:40	WG1082449
Chloroethane	U		0.00115	0.00610	1	03/09/2018 01:40	WG1082449
Chloroform	U		0.000279	0.00610	1	03/09/2018 01:40	WG1082449
Chloromethane	U		0.000457	0.00305	1	03/09/2018 01:40	WG1082449
2-Chlorotoluene	U		0.000367	0.00122	1	03/09/2018 01:40	WG1082449
4-Chlorotoluene	U		0.000293	0.00122	1	03/09/2018 01:40	WG1082449
1,2-Dibromo-3-Chloropropane	U		0.00128	0.00610	1	03/09/2018 01:40	WG1082449
1,2-Dibromoethane	U		0.000418	0.00122	1	03/09/2018 01:40	WG1082449
Dibromomethane	U		0.000466	0.00122	1	03/09/2018 01:40	WG1082449
1,2-Dichlorobenzene	U		0.000372	0.00122	1	03/09/2018 01:40	WG1082449
1,3-Dichlorobenzene	U		0.000291	0.00122	1	03/09/2018 01:40	WG1082449
1,4-Dichlorobenzene	U		0.000276	0.00122	1	03/09/2018 01:40	WG1082449
Dichlorodifluoromethane	U		0.000869	0.00610	1	03/09/2018 01:40	WG1082449
1,1-Dichloroethane	U		0.000243	0.00122	1	03/09/2018 01:40	WG1082449
1,2-Dichloroethane	U		0.000323	0.00122	1	03/09/2018 01:40	WG1082449
1,1-Dichloroethene	U		0.000369	0.00122	1	03/09/2018 01:40	WG1082449
cis-1,2-Dichloroethene	0.00482		0.000286	0.00122	1	03/09/2018 01:40	WG1082449
trans-1,2-Dichloroethene	U		0.000322	0.00122	1	03/09/2018 01:40	WG1082449
1,2-Dichloropropane	U		0.000436	0.00122	1	03/09/2018 01:40	WG1082449
1,1-Dichloropropene	U		0.000386	0.00122	1	03/09/2018 01:40	WG1082449
1,3-Dichloropropane	U		0.000252	0.00122	1	03/09/2018 01:40	WG1082449
cis-1,3-Dichloropropene	U		0.000319	0.00122	1	03/09/2018 01:40	WG1082449
trans-1,3-Dichloropropene	U		0.000325	0.00122	1	03/09/2018 01:40	WG1082449
trans-1,4-Dichloro-2-butene	U		0.000948	0.00305	1	03/09/2018 01:40	WG1082449
2,2-Dichloropropane	U		0.000340	0.00122	1	03/09/2018 01:40	WG1082449
Di-isopropyl ether	U		0.000302	0.00122	1	03/09/2018 01:40	WG1082449
Ethylbenzene	U		0.000362	0.00122	1	03/09/2018 01:40	WG1082449
Hexachloro-1,3-butadiene	U		0.000417	0.00122	1	03/09/2018 01:40	WG1082449
2-Hexanone	U		0.00167	0.0122	1	03/09/2018 01:40	WG1082449
n-Hexane	0.00163	J J	0.000354	0.0122	1	03/09/2018 01:40	WG1082449
Iodomethane	U		0.00308	0.0122	1	03/09/2018 01:40	WG1082449
Isopropylbenzene	U		0.000296	0.00122	1	03/09/2018 01:40	WG1082449
p-Isopropyltoluene	U		0.000249	0.00122	1	03/09/2018 01:40	WG1082449
2-Butanone (MEK)	U		0.00571	0.0122	1	03/09/2018 01:40	WG1082449
Methylene Chloride	U		0.00122	0.00610	1	03/09/2018 01:40	WG1082449
4-Methyl-2-pentanone (MIBK)	U		0.00229	0.0122	1	03/09/2018 01:40	WG1082449

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000258	0.00122	1	03/09/2018 01:40	WG1082449
Naphthalene	U		0.00122	0.00610	1	03/09/2018 01:40	WG1082449
n-Propylbenzene	U		0.000251	0.00122	1	03/09/2018 01:40	WG1082449
Styrene	U		0.000285	0.00122	1	03/09/2018 01:40	WG1082449
1,1,1,2-Tetrachloroethane	U		0.000322	0.00122	1	03/09/2018 01:40	WG1082449
1,1,2,2-Tetrachloroethane	U		0.000445	0.00122	1	03/09/2018 01:40	WG1082449
1,1,2-Trichlorotrifluoroethane	U		0.000445	0.00122	1	03/09/2018 01:40	WG1082449
Tetrachloroethene	0.0130		0.000336	0.00122	1	03/09/2018 01:40	WG1082449
Toluene	U		0.000529	0.00610	1	03/09/2018 01:40	WG1082449
1,2,3-Trichlorobenzene	U		0.000373	0.00122	1	03/09/2018 01:40	WG1082449
1,2,4-Trichlorobenzene	U		0.000473	0.00122	1	03/09/2018 01:40	WG1082449
1,1,1-Trichloroethane	U		0.000349	0.00122	1	03/09/2018 01:40	WG1082449
1,1,2-Trichloroethane	U		0.000338	0.00122	1	03/09/2018 01:40	WG1082449
Trichloroethene	0.00524		0.000340	0.00122	1	03/09/2018 01:40	WG1082449
Trichlorofluoromethane	U		0.000466	0.00610	1	03/09/2018 01:40	WG1082449
1,2,3-Trichloropropane	U		0.000903	0.00305	1	03/09/2018 01:40	WG1082449
1,2,4-Trimethylbenzene	U		0.000257	0.00122	1	03/09/2018 01:40	WG1082449
1,2,3-Trimethylbenzene	U		0.000350	0.00122	1	03/09/2018 01:40	WG1082449
1,3,5-Trimethylbenzene	U		0.000324	0.00122	1	03/09/2018 01:40	WG1082449
Vinyl acetate	U		0.00291	0.0122	1	03/09/2018 01:40	WG1082449
Vinyl chloride	U		0.000355	0.00122	1	03/09/2018 01:40	WG1082449
Xylenes, Total	U		0.000851	0.00366	1	03/09/2018 01:40	WG1082449
(S) Toluene-d8	*86.2*			*80.0-120*		*03/09/2018 01:40*	WG1082449
(S) Dibromofluoromethane	*127*			*74.0-131*		*03/09/2018 01:40*	WG1082449
(S) 4-Bromofluorobenzene	*102*			*64.0-132*		*03/09/2018 01:40*	WG1082449

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Collected date/time: 03/06/18 08:55

SAMPLE RESULTS - 07
L975879

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	83.2		1	03/13/2018 12:42	WG1083649

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.0123	J J	0.0120	0.0601	1	03/09/2018 02:00	WG1082449
Acrylonitrile	U		0.00215	0.0120	1	03/09/2018 02:00	WG1082449
Benzene	0.000864	J J	0.000325	0.00120	1	03/09/2018 02:00	WG1082449
Bromobenzene	U		0.000341	0.00120	1	03/09/2018 02:00	WG1082449
Bromodichloromethane	U		0.000305	0.00120	1	03/09/2018 02:00	WG1082449
Bromochloromethane	U		0.000469	0.00601	1	03/09/2018 02:00	WG1082449
Bromoform	U		0.000510	0.00120	1	03/09/2018 02:00	WG1082449
Bromomethane	U		0.00161	0.00601	1	03/09/2018 02:00	WG1082449
n-Butylbenzene	U		0.000310	0.00120	1	03/09/2018 02:00	WG1082449
sec-Butylbenzene	U		0.000242	0.00120	1	03/09/2018 02:00	WG1082449
tert-Butylbenzene	U		0.000248	0.00120	1	03/09/2018 02:00	WG1082449
Carbon disulfide	0.00209		0.000266	0.00120	1	03/09/2018 02:00	WG1082449
Carbon tetrachloride	U		0.000394	0.00120	1	03/09/2018 02:00	WG1082449
Chlorobenzene	U		0.000255	0.00120	1	03/09/2018 02:00	WG1082449
Chlorodibromomethane	U		0.000448	0.00120	1	03/09/2018 02:00	WG1082449
Chloroethane	U		0.00114	0.00601	1	03/09/2018 02:00	WG1082449
Chloroform	U		0.000275	0.00601	1	03/09/2018 02:00	WG1082449
Chloromethane	U		0.000451	0.00301	1	03/09/2018 02:00	WG1082449
2-Chlorotoluene	U		0.000362	0.00120	1	03/09/2018 02:00	WG1082449
4-Chlorotoluene	U		0.000289	0.00120	1	03/09/2018 02:00	WG1082449
1,2-Dibromo-3-Chloropropane	U		0.00126	0.00601	1	03/09/2018 02:00	WG1082449
1,2-Dibromoethane	U		0.000412	0.00120	1	03/09/2018 02:00	WG1082449
Dibromomethane	U		0.000459	0.00120	1	03/09/2018 02:00	WG1082449
1,2-Dichlorobenzene	U		0.000367	0.00120	1	03/09/2018 02:00	WG1082449
1,3-Dichlorobenzene	U		0.000287	0.00120	1	03/09/2018 02:00	WG1082449
1,4-Dichlorobenzene	U		0.000272	0.00120	1	03/09/2018 02:00	WG1082449
Dichlorodifluoromethane	U		0.000857	0.00601	1	03/09/2018 02:00	WG1082449
1,1-Dichloroethane	U		0.000239	0.00120	1	03/09/2018 02:00	WG1082449
1,2-Dichloroethane	U		0.000319	0.00120	1	03/09/2018 02:00	WG1082449
1,1-Dichloroethene	U		0.000364	0.00120	1	03/09/2018 02:00	WG1082449
cis-1,2-Dichloroethene	U		0.000283	0.00120	1	03/09/2018 02:00	WG1082449
trans-1,2-Dichloroethene	U		0.000317	0.00120	1	03/09/2018 02:00	WG1082449
1,2-Dichloropropane	U		0.000430	0.00120	1	03/09/2018 02:00	WG1082449
1,1-Dichloropropene	U		0.000381	0.00120	1	03/09/2018 02:00	WG1082449
1,3-Dichloropropane	U		0.000249	0.00120	1	03/09/2018 02:00	WG1082449
cis-1,3-Dichloropropene	U		0.000315	0.00120	1	03/09/2018 02:00	WG1082449
trans-1,3-Dichloropropene	U		0.000321	0.00120	1	03/09/2018 02:00	WG1082449
trans-1,4-Dichloro-2-butene	U		0.000935	0.00301	1	03/09/2018 02:00	WG1082449
2,2-Dichloropropane	U		0.000335	0.00120	1	03/09/2018 02:00	WG1082449
Di-isopropyl ether	U		0.000298	0.00120	1	03/09/2018 02:00	WG1082449
Ethylbenzene	U		0.000357	0.00120	1	03/09/2018 02:00	WG1082449
Hexachloro-1,3-butadiene	U		0.000411	0.00120	1	03/09/2018 02:00	WG1082449
2-Hexanone	U		0.00165	0.0120	1	03/09/2018 02:00	WG1082449
n-Hexane	U		0.000349	0.0120	1	03/09/2018 02:00	WG1082449
Iodomethane	U		0.00304	0.0120	1	03/09/2018 02:00	WG1082449
Isopropylbenzene	U		0.000292	0.00120	1	03/09/2018 02:00	WG1082449
p-Isopropyltoluene	0.000744	J J	0.000245	0.00120	1	03/09/2018 02:00	WG1082449
2-Butanone (MEK)	U		0.00563	0.0120	1	03/09/2018 02:00	WG1082449
Methylene Chloride	U		0.00120	0.00601	1	03/09/2018 02:00	WG1082449
4-Methyl-2-pentanone (MIBK)	U		0.00226	0.0120	1	03/09/2018 02:00	WG1082449

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Collected date/time: 03/06/18 08:55

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000255	0.00120	1	03/09/2018 02:00	WG1082449
Naphthalene	U		0.00120	0.00601	1	03/09/2018 02:00	WG1082449
n-Propylbenzene	U		0.000248	0.00120	1	03/09/2018 02:00	WG1082449
Styrene	U		0.000281	0.00120	1	03/09/2018 02:00	WG1082449
1,1,1,2-Tetrachloroethane	U		0.000317	0.00120	1	03/09/2018 02:00	WG1082449
1,1,2,2-Tetrachloroethane	U		0.000439	0.00120	1	03/09/2018 02:00	WG1082449
1,1,2-Trichlorotrifluoroethane	U		0.000439	0.00120	1	03/09/2018 02:00	WG1082449
Tetrachloroethene	0.000338	J J	0.000332	0.00120	1	03/09/2018 02:00	WG1082449
Toluene	0.00128	J J	0.000522	0.00601	1	03/09/2018 02:00	WG1082449
1,2,3-Trichlorobenzene	U		0.000368	0.00120	1	03/09/2018 02:00	WG1082449
1,2,4-Trichlorobenzene	U		0.000467	0.00120	1	03/09/2018 02:00	WG1082449
1,1,1-Trichloroethane	U		0.000344	0.00120	1	03/09/2018 02:00	WG1082449
1,1,2-Trichloroethane	U		0.000333	0.00120	1	03/09/2018 02:00	WG1082449
Trichloroethene	U		0.000335	0.00120	1	03/09/2018 02:00	WG1082449
Trichlorofluoromethane	U		0.000459	0.00601	1	03/09/2018 02:00	WG1082449
1,2,3-Trichloropropane	U		0.000891	0.00301	1	03/09/2018 02:00	WG1082449
1,2,4-Trimethylbenzene	U		0.000254	0.00120	1	03/09/2018 02:00	WG1082449
1,2,3-Trimethylbenzene	U		0.000345	0.00120	1	03/09/2018 02:00	WG1082449
1,3,5-Trimethylbenzene	U		0.000320	0.00120	1	03/09/2018 02:00	WG1082449
Vinyl acetate	U		0.00287	0.0120	1	03/09/2018 02:00	WG1082449
Vinyl chloride	U		0.000350	0.00120	1	03/09/2018 02:00	WG1082449
Xylenes, Total	U		0.000839	0.00361	1	03/09/2018 02:00	WG1082449
(S) Toluene-d8	*90.2*			*80.0-120*		*03/09/2018 02:00*	WG1082449
(S) Dibromofluoromethane	*124*			*74.0-131*		*03/09/2018 02:00*	WG1082449
(S) 4-Bromofluorobenzene	*115*			*64.0-132*		*03/09/2018 02:00*	WG1082449

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

JC 4/10/18

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	89.6		1	03/13/2018 12:42	WG1083649

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0112	0.0558	1	03/09/2018 02:20	WG1082449
Acrylonitrile	U		0.00200	0.0112	1	03/09/2018 02:20	WG1082449
Benzene	U		0.000301	0.00112	1	03/09/2018 02:20	WG1082449
Bromobenzene	U		0.000317	0.00112	1	03/09/2018 02:20	WG1082449
Bromodichloromethane	U		0.000284	0.00112	1	03/09/2018 02:20	WG1082449
Bromochloromethane	U		0.000435	0.00558	1	03/09/2018 02:20	WG1082449
Bromoform	U		0.000473	0.00112	1	03/09/2018 02:20	WG1082449
Bromomethane	U		0.00150	0.00558	1	03/09/2018 02:20	WG1082449
n-Butylbenzene	U		0.000288	0.00112	1	03/09/2018 02:20	WG1082449
sec-Butylbenzene	U		0.000224	0.00112	1	03/09/2018 02:20	WG1082449
tert-Butylbenzene	U		0.000230	0.00112	1	03/09/2018 02:20	WG1082449
Carbon disulfide	0.000830	J J	0.000247	0.00112	1	03/09/2018 02:20	WG1082449
Carbon tetrachloride	U		0.000366	0.00112	1	03/09/2018 02:20	WG1082449
Chlorobenzene	U		0.000237	0.00112	1	03/09/2018 02:20	WG1082449
Chlorodibromomethane	U		0.000416	0.00112	1	03/09/2018 02:20	WG1082449
Chloroethane	U		0.00106	0.00558	1	03/09/2018 02:20	WG1082449
Chloroform	U		0.000256	0.00558	1	03/09/2018 02:20	WG1082449
Chloromethane	U		0.000419	0.00279	1	03/09/2018 02:20	WG1082449
2-Chlorotoluene	U		0.000336	0.00112	1	03/09/2018 02:20	WG1082449
4-Chlorotoluene	U		0.000268	0.00112	1	03/09/2018 02:20	WG1082449
1,2-Dibromo-3-Chloropropane	U		0.00117	0.00558	1	03/09/2018 02:20	WG1082449
1,2-Dibromoethane	U		0.000383	0.00112	1	03/09/2018 02:20	WG1082449
Dibromomethane	U		0.000427	0.00112	1	03/09/2018 02:20	WG1082449
1,2-Dichlorobenzene	U		0.000341	0.00112	1	03/09/2018 02:20	WG1082449
1,3-Dichlorobenzene	U		0.000267	0.00112	1	03/09/2018 02:20	WG1082449
1,4-Dichlorobenzene	U		0.000252	0.00112	1	03/09/2018 02:20	WG1082449
Dichlorodifluoromethane	U		0.000796	0.00558	1	03/09/2018 02:20	WG1082449
1,1-Dichloroethane	U		0.000222	0.00112	1	03/09/2018 02:20	WG1082449
1,2-Dichloroethane	U		0.000296	0.00112	1	03/09/2018 02:20	WG1082449
1,1-Dichloroethene	U		0.000338	0.00112	1	03/09/2018 02:20	WG1082449
cis-1,2-Dichloroethene	0.000406	J J	0.000262	0.00112	1	03/09/2018 02:20	WG1082449
trans-1,2-Dichloroethene	U		0.000295	0.00112	1	03/09/2018 02:20	WG1082449
1,2-Dichloropropane	U		0.000400	0.00112	1	03/09/2018 02:20	WG1082449
1,1-Dichloropropene	U		0.000354	0.00112	1	03/09/2018 02:20	WG1082449
1,3-Dichloropropane	U		0.000231	0.00112	1	03/09/2018 02:20	WG1082449
cis-1,3-Dichloropropene	U		0.000293	0.00112	1	03/09/2018 02:20	WG1082449
trans-1,3-Dichloropropene	U		0.000298	0.00112	1	03/09/2018 02:20	WG1082449
trans-1,4-Dichloro-2-butene	U		0.000869	0.00279	1	03/09/2018 02:20	WG1082449
2,2-Dichloropropane	U		0.000312	0.00112	1	03/09/2018 02:20	WG1082449
Di-isopropyl ether	U		0.000277	0.00112	1	03/09/2018 02:20	WG1082449
Ethylbenzene	U		0.000332	0.00112	1	03/09/2018 02:20	WG1082449
Hexachloro-1,3-butadiene	U		0.000382	0.00112	1	03/09/2018 02:20	WG1082449
2-Hexanone	U		0.00153	0.0112	1	03/09/2018 02:20	WG1082449
n-Hexane	U		0.000324	0.0112	1	03/09/2018 02:20	WG1082449
Iodomethane	U		0.00283	0.0112	1	03/09/2018 02:20	WG1082449
Isopropylbenzene	U		0.000271	0.00112	1	03/09/2018 02:20	WG1082449
p-Isopropyltoluene	U		0.000228	0.00112	1	03/09/2018 02:20	WG1082449
2-Butanone (MEK)	U		0.00523	0.0112	1	03/09/2018 02:20	WG1082449
Methylene Chloride	U		0.00112	0.00558	1	03/09/2018 02:20	WG1082449
4-Methyl-2-pentanone (MIBK)	U		0.00210	0.0112	1	03/09/2018 02:20	WG1082449

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1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000237	0.00112	1	03/09/2018 02:20	WG1082449
Naphthalene	U		0.00112	0.00558	1	03/09/2018 02:20	WG1082449
n-Propylbenzene	U		0.000230	0.00112	1	03/09/2018 02:20	WG1082449
Styrene	U		0.000261	0.00112	1	03/09/2018 02:20	WG1082449
1,1,1,2-Tetrachloroethane	U		0.000295	0.00112	1	03/09/2018 02:20	WG1082449
1,1,2,2-Tetrachloroethane	U		0.000408	0.00112	1	03/09/2018 02:20	WG1082449
1,1,2-Trichlorotrifluoroethane	U		0.000408	0.00112	1	03/09/2018 02:20	WG1082449
Tetrachloroethene	U		0.000308	0.00112	1	03/09/2018 02:20	WG1082449
Toluene	U		0.000485	0.00558	1	03/09/2018 02:20	WG1082449
1,2,3-Trichlorobenzene	U		0.000342	0.00112	1	03/09/2018 02:20	WG1082449
1,2,4-Trichlorobenzene	U		0.000433	0.00112	1	03/09/2018 02:20	WG1082449
1,1,1-Trichloroethane	U		0.000319	0.00112	1	03/09/2018 02:20	WG1082449
1,1,2-Trichloroethane	U		0.000309	0.00112	1	03/09/2018 02:20	WG1082449
Trichloroethene	U		0.000312	0.00112	1	03/09/2018 02:20	WG1082449
Trichlorofluoromethane	U		0.000427	0.00558	1	03/09/2018 02:20	WG1082449
1,2,3-Trichloropropane	U		0.000827	0.00279	1	03/09/2018 02:20	WG1082449
1,2,4-Trimethylbenzene	U		0.000236	0.00112	1	03/09/2018 02:20	WG1082449
1,2,3-Trimethylbenzene	U		0.000320	0.00112	1	03/09/2018 02:20	WG1082449
1,3,5-Trimethylbenzene	U		0.000297	0.00112	1	03/09/2018 02:20	WG1082449
Vinyl acetate	U		0.00267	0.0112	1	03/09/2018 02:20	WG1082449
Vinyl chloride	U		0.000325	0.00112	1	03/09/2018 02:20	WG1082449
Xylenes, Total	U		0.000779	0.00335	1	03/09/2018 02:20	WG1082449
(S) Toluene-d8	*91.6*			*80.0-120*		*03/09/2018 02:20*	WG1082449
(S) Dibromofluoromethane	*120*			*74.0-131*		*03/09/2018 02:20*	WG1082449
(S) 4-Bromofluorobenzene	*103*			*64.0-132*		*03/09/2018 02:20*	WG1082449

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IW-21B-40

Collected date/time: 03/06/18 09:45

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	90.5		1	03/13/2018 12:42	WG1083649

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0111	0.0553	1	03/09/2018 02:40	WG1082449
Acrylonitrile	U		0.00198	0.0111	1	03/09/2018 02:40	WG1082449
Benzene	U		0.000298	0.00111	1	03/09/2018 02:40	WG1082449
Bromobenzene	U		0.000314	0.00111	1	03/09/2018 02:40	WG1082449
Bromodichloromethane	U		0.000281	0.00111	1	03/09/2018 02:40	WG1082449
Bromochloromethane	U		0.000431	0.00553	1	03/09/2018 02:40	WG1082449
Bromoform	U		0.000469	0.00111	1	03/09/2018 02:40	WG1082449
Bromomethane	U		0.00148	0.00553	1	03/09/2018 02:40	WG1082449
n-Butylbenzene	U		0.000285	0.00111	1	03/09/2018 02:40	WG1082449
sec-Butylbenzene	U		0.000222	0.00111	1	03/09/2018 02:40	WG1082449
tert-Butylbenzene	U		0.000228	0.00111	1	03/09/2018 02:40	WG1082449
Carbon disulfide	0.000861	J J	0.000244	0.00111	1	03/09/2018 02:40	WG1082449
Carbon tetrachloride	U		0.000363	0.00111	1	03/09/2018 02:40	WG1082449
Chlorobenzene	U		0.000234	0.00111	1	03/09/2018 02:40	WG1082449
Chlorodibromomethane	U		0.000412	0.00111	1	03/09/2018 02:40	WG1082449
Chloroethane	U		0.00105	0.00553	1	03/09/2018 02:40	WG1082449
Chloroform	U		0.000253	0.00553	1	03/09/2018 02:40	WG1082449
Chloromethane	U		0.000415	0.00276	1	03/09/2018 02:40	WG1082449
2-Chlorotoluene	U		0.000333	0.00111	1	03/09/2018 02:40	WG1082449
4-Chlorotoluene	U		0.000265	0.00111	1	03/09/2018 02:40	WG1082449
1,2-Dibromo-3-Chloropropane	U		0.00116	0.00553	1	03/09/2018 02:40	WG1082449
1,2-Dibromoethane	U		0.000379	0.00111	1	03/09/2018 02:40	WG1082449
Dibromomethane	U		0.000422	0.00111	1	03/09/2018 02:40	WG1082449
1,2-Dichlorobenzene	U		0.000337	0.00111	1	03/09/2018 02:40	WG1082449
1,3-Dichlorobenzene	U		0.000264	0.00111	1	03/09/2018 02:40	WG1082449
1,4-Dichlorobenzene	U		0.000250	0.00111	1	03/09/2018 02:40	WG1082449
Dichlorodifluoromethane	U		0.000788	0.00553	1	03/09/2018 02:40	WG1082449
1,1-Dichloroethane	U		0.000220	0.00111	1	03/09/2018 02:40	WG1082449
1,2-Dichloroethane	U		0.000293	0.00111	1	03/09/2018 02:40	WG1082449
1,1-Dichloroethene	U		0.000335	0.00111	1	03/09/2018 02:40	WG1082449
cis-1,2-Dichloroethene	0.0424		0.000260	0.00111	1	03/09/2018 02:40	WG1082449
trans-1,2-Dichloroethene	0.00134		0.000292	0.00111	1	03/09/2018 02:40	WG1082449
1,2-Dichloropropane	U		0.000396	0.00111	1	03/09/2018 02:40	WG1082449
1,1-Dichloropropene	U		0.000350	0.00111	1	03/09/2018 02:40	WG1082449
1,3-Dichloropropane	U		0.000229	0.00111	1	03/09/2018 02:40	WG1082449
cis-1,3-Dichloropropene	U		0.000290	0.00111	1	03/09/2018 02:40	WG1082449
trans-1,3-Dichloropropene	U		0.000295	0.00111	1	03/09/2018 02:40	WG1082449
trans-1,4-Dichloro-2-butene	U		0.000860	0.00276	1	03/09/2018 02:40	WG1082449
2,2-Dichloropropane	U		0.000308	0.00111	1	03/09/2018 02:40	WG1082449
Di-isopropyl ether	U		0.000274	0.00111	1	03/09/2018 02:40	WG1082449
Ethylbenzene	U		0.000328	0.00111	1	03/09/2018 02:40	WG1082449
Hexachloro-1,3-butadiene	U		0.000378	0.00111	1	03/09/2018 02:40	WG1082449
2-Hexanone	U		0.00151	0.0111	1	03/09/2018 02:40	WG1082449
n-Hexane	U		0.000321	0.0111	1	03/09/2018 02:40	WG1082449
Iodomethane	U		0.00280	0.0111	1	03/09/2018 02:40	WG1082449
Isopropylbenzene	U		0.000269	0.00111	1	03/09/2018 02:40	WG1082449
p-Isopropyltoluene	U		0.000225	0.00111	1	03/09/2018 02:40	WG1082449
2-Butanone (MEK)	U		0.00517	0.0111	1	03/09/2018 02:40	WG1082449
Methylene Chloride	U		0.00111	0.00553	1	03/09/2018 02:40	WG1082449
4-Methyl-2-pentanone (MIBK)	U		0.00208	0.0111	1	03/09/2018 02:40	WG1082449

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000234	0.00111	1	03/09/2018 02:40	WG1082449
Naphthalene	U		0.00111	0.00553	1	03/09/2018 02:40	WG1082449
n-Propylbenzene	U		0.000228	0.00111	1	03/09/2018 02:40	WG1082449
Styrene	U		0.000259	0.00111	1	03/09/2018 02:40	WG1082449
1,1,1,2-Tetrachloroethane	U		0.000292	0.00111	1	03/09/2018 02:40	WG1082449
1,1,2,2-Tetrachloroethane	U		0.000403	0.00111	1	03/09/2018 02:40	WG1082449
1,1,2-Trichlorotrifluoroethane	U		0.000403	0.00111	1	03/09/2018 02:40	WG1082449
Tetrachloroethene	0.00709		0.000305	0.00111	1	03/09/2018 02:40	WG1082449
Toluene	U		0.000480	0.00553	1	03/09/2018 02:40	WG1082449
1,2,3-Trichlorobenzene	U		0.000338	0.00111	1	03/09/2018 02:40	WG1082449
1,2,4-Trichlorobenzene	U		0.000429	0.00111	1	03/09/2018 02:40	WG1082449
1,1,1-Trichloroethane	U		0.000316	0.00111	1	03/09/2018 02:40	WG1082449
1,1,2-Trichloroethane	U		0.000306	0.00111	1	03/09/2018 02:40	WG1082449
Trichloroethene	0.00187		0.000308	0.00111	1	03/09/2018 02:40	WG1082449
Trichlorofluoromethane	U		0.000422	0.00553	1	03/09/2018 02:40	WG1082449
1,2,3-Trichloropropane	U		0.000819	0.00276	1	03/09/2018 02:40	WG1082449
1,2,4-Trimethylbenzene	U		0.000233	0.00111	1	03/09/2018 02:40	WG1082449
1,2,3-Trimethylbenzene	U		0.000317	0.00111	1	03/09/2018 02:40	WG1082449
1,3,5-Trimethylbenzene	U		0.000294	0.00111	1	03/09/2018 02:40	WG1082449
Vinyl acetate	U		0.00264	0.0111	1	03/09/2018 02:40	WG1082449
Vinyl chloride	0.0212		0.000322	0.00111	1	03/09/2018 02:40	WG1082449
Xylenes, Total	U		0.000772	0.00332	1	03/09/2018 02:40	WG1082449
(S) Toluene-d8	*92.7*			*80.0-120*		*03/09/2018 02:40*	WG1082449
(S) Dibromofluoromethane	*116*			*74.0-131*		*03/09/2018 02:40*	WG1082449
(S) 4-Bromofluorobenzene	*103*			*64.0-132*		*03/09/2018 02:40*	WG1082449

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Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	92.5		1	03/13/2018 12:42	WG1083649

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0108	0.0541	1	03/09/2018 03:00	WG1082449
Acrylonitrile	U		0.00194	0.0108	1	03/09/2018 03:00	WG1082449
Benzene	U		0.000292	0.00108	1	03/09/2018 03:00	WG1082449
Bromobenzene	U		0.000307	0.00108	1	03/09/2018 03:00	WG1082449
Bromodichloromethane	U		0.000275	0.00108	1	03/09/2018 03:00	WG1082449
Bromochloromethane	U		0.000422	0.00541	1	03/09/2018 03:00	WG1082449
Bromoform	U		0.000459	0.00108	1	03/09/2018 03:00	WG1082449
Bromomethane	U		0.00145	0.00541	1	03/09/2018 03:00	WG1082449
n-Butylbenzene	U		0.000279	0.00108	1	03/09/2018 03:00	WG1082449
sec-Butylbenzene	U		0.000217	0.00108	1	03/09/2018 03:00	WG1082449
tert-Butylbenzene	U		0.000223	0.00108	1	03/09/2018 03:00	WG1082449
Carbon disulfide	0.000274	J J	0.000239	0.00108	1	03/09/2018 03:00	WG1082449
Carbon tetrachloride	U		0.000355	0.00108	1	03/09/2018 03:00	WG1082449
Chlorobenzene	U		0.000229	0.00108	1	03/09/2018 03:00	WG1082449
Chlorodibromomethane	U		0.000403	0.00108	1	03/09/2018 03:00	WG1082449
Chloroethane	U		0.00102	0.00541	1	03/09/2018 03:00	WG1082449
Chloroform	U		0.000248	0.00541	1	03/09/2018 03:00	WG1082449
Chloromethane	U		0.000406	0.00270	1	03/09/2018 03:00	WG1082449
2-Chlorotoluene	U		0.000326	0.00108	1	03/09/2018 03:00	WG1082449
4-Chlorotoluene	U		0.000260	0.00108	1	03/09/2018 03:00	WG1082449
1,2-Dibromo-3-Chloropropane	U		0.00114	0.00541	1	03/09/2018 03:00	WG1082449
1,2-Dibromoethane	U		0.000371	0.00108	1	03/09/2018 03:00	WG1082449
Dibromomethane	U		0.000413	0.00108	1	03/09/2018 03:00	WG1082449
1,2-Dichlorobenzene	U		0.000330	0.00108	1	03/09/2018 03:00	WG1082449
1,3-Dichlorobenzene	U		0.000258	0.00108	1	03/09/2018 03:00	WG1082449
1,4-Dichlorobenzene	U		0.000244	0.00108	1	03/09/2018 03:00	WG1082449
Dichlorodifluoromethane	U		0.000771	0.00541	1	03/09/2018 03:00	WG1082449
1,1-Dichloroethane	U		0.000215	0.00108	1	03/09/2018 03:00	WG1082449
1,2-Dichloroethane	U		0.000287	0.00108	1	03/09/2018 03:00	WG1082449
1,1-Dichloroethene	U		0.000328	0.00108	1	03/09/2018 03:00	WG1082449
cis-1,2-Dichloroethene	0.0340		0.000254	0.00108	1	03/09/2018 03:00	WG1082449
trans-1,2-Dichloroethene	0.000587	J J	0.000286	0.00108	1	03/09/2018 03:00	WG1082449
1,2-Dichloropropane	U		0.000387	0.00108	1	03/09/2018 03:00	WG1082449
1,1-Dichloropropene	U		0.000343	0.00108	1	03/09/2018 03:00	WG1082449
1,3-Dichloropropane	U		0.000224	0.00108	1	03/09/2018 03:00	WG1082449
cis-1,3-Dichloropropene	U		0.000283	0.00108	1	03/09/2018 03:00	WG1082449
trans-1,3-Dichloropropene	U		0.000289	0.00108	1	03/09/2018 03:00	WG1082449
trans-1,4-Dichloro-2-butene	U		0.000841	0.00270	1	03/09/2018 03:00	WG1082449
2,2-Dichloropropane	U		0.000302	0.00108	1	03/09/2018 03:00	WG1082449
Di-isopropyl ether	U		0.000268	0.00108	1	03/09/2018 03:00	WG1082449
Ethylbenzene	U		0.000321	0.00108	1	03/09/2018 03:00	WG1082449
Hexachloro-1,3-butadiene	U		0.000370	0.00108	1	03/09/2018 03:00	WG1082449
2-Hexanone	U		0.00148	0.0108	1	03/09/2018 03:00	WG1082449
n-Hexane	U		0.000314	0.0108	1	03/09/2018 03:00	WG1082449
Iodomethane	U		0.00274	0.0108	1	03/09/2018 03:00	WG1082449
Isopropylbenzene	U		0.000263	0.00108	1	03/09/2018 03:00	WG1082449
p-Isopropyltoluene	U		0.000221	0.00108	1	03/09/2018 03:00	WG1082449
2-Butanone (MEK)	U		0.00506	0.0108	1	03/09/2018 03:00	WG1082449
Methylene Chloride	U		0.00108	0.00541	1	03/09/2018 03:00	WG1082449
4-Methyl-2-pentanone (MIBK)	U		0.00203	0.0108	1	03/09/2018 03:00	WG1082449

JC 4/10/18

IW-21B-50
Collected date/time: 03/06/18 10:22

SAMPLE RESULTS - 10
L975879

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000229	0.00108	1	03/09/2018 03:00	WG1082449
Naphthalene	U		0.00108	0.00541	1	03/09/2018 03:00	WG1082449
n-Propylbenzene	U		0.000223	0.00108	1	03/09/2018 03:00	WG1082449
Styrene	U		0.000253	0.00108	1	03/09/2018 03:00	WG1082449
1,1,1,2-Tetrachloroethane	U		0.000286	0.00108	1	03/09/2018 03:00	WG1082449
1,1,2,2-Tetrachloroethane	U		0.000395	0.00108	1	03/09/2018 03:00	WG1082449
1,1,2-Trichlorotrifluoroethane	U		0.000395	0.00108	1	03/09/2018 03:00	WG1082449
Tetrachloroethene	0.00382		0.000299	0.00108	1	03/09/2018 03:00	WG1082449
Toluene	U		0.000469	0.00541	1	03/09/2018 03:00	WG1082449
1,2,3-Trichlorobenzene	U		0.000331	0.00108	1	03/09/2018 03:00	WG1082449
1,2,4-Trichlorobenzene	U		0.000420	0.00108	1	03/09/2018 03:00	WG1082449
1,1,1-Trichloroethane	U		0.000309	0.00108	1	03/09/2018 03:00	WG1082449
1,1,2-Trichloroethane	U		0.000300	0.00108	1	03/09/2018 03:00	WG1082449
Trichloroethene	0.00783		0.000302	0.00108	1	03/09/2018 03:00	WG1082449
Trichlorofluoromethane	U		0.000413	0.00541	1	03/09/2018 03:00	WG1082449
1,2,3-Trichloropropane	U		0.000801	0.00270	1	03/09/2018 03:00	WG1082449
1,2,4-Trimethylbenzene	U		0.000228	0.00108	1	03/09/2018 03:00	WG1082449
1,2,3-Trimethylbenzene	U		0.000310	0.00108	1	03/09/2018 03:00	WG1082449
1,3,5-Trimethylbenzene	U		0.000288	0.00108	1	03/09/2018 03:00	WG1082449
Vinyl acetate	U		0.00258	0.0108	1	03/09/2018 03:00	WG1082449
Vinyl chloride	0.0338		0.000315	0.00108	1	03/09/2018 03:00	WG1082449
Xylenes, Total	U		0.000755	0.00324	1	03/09/2018 03:00	WG1082449
(S) Toluene-d8	*93.2*			*80.0-120*		*03/09/2018 03:00*	WG1082449
(S) Dibromofluoromethane	*118*			*74.0-131*		*03/09/2018 03:00*	WG1082449
(S) 4-Bromofluorobenzene	*103*			*64.0-132*		*03/09/2018 03:00*	WG1082449

JC 4/10/18

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	88.3		1	03/13/2018 12:42	WG1083649

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U	J0 UJ	0.283	1.42	25	03/15/2018 00:37	WG1082449
Acrylonitrile	U		0.0508	0.283	25	03/15/2018 00:37	WG1082449
Benzene	U		0.00765	0.0283	25	03/15/2018 00:37	WG1082449
Bromobenzene	U		0.00805	0.0283	25	03/15/2018 00:37	WG1082449
Bromodichloromethane	U		0.00720	0.0283	25	03/15/2018 00:37	WG1082449
Bromochloromethane	U		0.0110	0.142	25	03/15/2018 00:37	WG1082449
Bromoform	U	J0 UJ	0.0120	0.0283	25	03/15/2018 00:37	WG1082449
Bromomethane	U		0.0380	0.142	25	03/15/2018 00:37	WG1082449
n-Butylbenzene	U		0.00731	0.0283	25	03/15/2018 00:37	WG1082449
sec-Butylbenzene	U		0.00569	0.0283	25	03/15/2018 00:37	WG1082449
tert-Butylbenzene	U		0.00584	0.0283	25	03/15/2018 00:37	WG1082449
Carbon disulfide	U	J0 UJ	0.00625	0.0283	25	03/15/2018 00:37	WG1082449
Carbon tetrachloride	U		0.00929	0.0283	25	03/15/2018 00:37	WG1082449
Chlorobenzene	U		0.00601	0.0283	25	03/15/2018 00:37	WG1082449
Chlorodibromomethane	U		0.0106	0.0283	25	03/15/2018 00:37	WG1082449
Chloroethane	U		0.0267	0.142	25	03/15/2018 00:37	WG1082449
Chloroform	U		0.00648	0.142	25	03/15/2018 00:37	WG1082449
Chloromethane	U		0.0106	0.0708	25	03/15/2018 00:37	WG1082449
2-Chlorotoluene	U		0.00852	0.0283	25	03/15/2018 00:37	WG1082449
4-Chlorotoluene	U		0.00680	0.0283	25	03/15/2018 00:37	WG1082449
1,2-Dibromo-3-Chloropropane	U		0.0297	0.142	25	03/15/2018 00:37	WG1082449
1,2-Dibromoethane	U		0.00972	0.0283	25	03/15/2018 00:37	WG1082449
Dibromomethane	U		0.0108	0.0283	25	03/15/2018 00:37	WG1082449
1,2-Dichlorobenzene	U		0.00863	0.0283	25	03/15/2018 00:37	WG1082449
1,3-Dichlorobenzene	U		0.00678	0.0283	25	03/15/2018 00:37	WG1082449
1,4-Dichlorobenzene	U		0.00640	0.0283	25	03/15/2018 00:37	WG1082449
Dichlorodifluoromethane	U	J0 UJ	0.0202	0.142	25	03/15/2018 00:37	WG1082449
1,1-Dichloroethane	U		0.00564	0.0283	25	03/15/2018 00:37	WG1082449
1,2-Dichloroethane	U		0.00750	0.0283	25	03/15/2018 00:37	WG1082449
1,1-Dichloroethene	U		0.00859	0.0283	25	03/15/2018 00:37	WG1082449
cis-1,2-Dichloroethene	3.82		0.00666	0.0283	25	03/15/2018 00:37	WG1082449
trans-1,2-Dichloroethene	0.0341		0.00748	0.0283	25	03/15/2018 00:37	WG1082449
1,2-Dichloropropane	U		0.0101	0.0283	25	03/15/2018 00:37	WG1082449
1,1-Dichloropropene	U		0.00897	0.0283	25	03/15/2018 00:37	WG1082449
1,3-Dichloropropane	U		0.00587	0.0283	25	03/15/2018 00:37	WG1082449
cis-1,3-Dichloropropene	U		0.00742	0.0283	25	03/15/2018 00:37	WG1082449
trans-1,3-Dichloropropene	U		0.00757	0.0283	25	03/15/2018 00:37	WG1082449
trans-1,4-Dichloro-2-butene	U		0.0220	0.0708	25	03/15/2018 00:37	WG1082449
2,2-Dichloropropane	U		0.00791	0.0283	25	03/15/2018 00:37	WG1082449
Di-isopropyl ether	U		0.00703	0.0283	25	03/15/2018 00:37	WG1082449
Ethylbenzene	U		0.00841	0.0283	25	03/15/2018 00:37	WG1082449
Hexachloro-1,3-butadiene	U		0.00969	0.0283	25	03/15/2018 00:37	WG1082449
2-Hexanone	U		0.0388	0.283	25	03/15/2018 00:37	WG1082449
n-Hexane	U		0.00822	0.283	25	03/15/2018 00:37	WG1082449
Iodomethane	U		0.0716	0.283	25	03/15/2018 00:37	WG1082449
Isopropylbenzene	U		0.00689	0.0283	25	03/15/2018 00:37	WG1082449
p-Isopropyltoluene	U		0.00578	0.0283	25	03/15/2018 00:37	WG1082449
2-Butanone (MEK)	U		0.133	0.283	25	03/15/2018 00:37	WG1082449
Methylene Chloride	U		0.0283	0.142	25	03/15/2018 00:37	WG1082449
4-Methyl-2-pentanone (MIBK)	U		0.0533	0.283	25	03/15/2018 00:37	WG1082449

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.00601	0.0283	25	03/15/2018 00:37	WG1082449
Naphthalene	U		0.0283	0.142	25	03/15/2018 00:37	WG1082449
n-Propylbenzene	U		0.00584	0.0283	25	03/15/2018 00:37	WG1082449
Styrene	U		0.00663	0.0283	25	03/15/2018 00:37	WG1082449
1,1,1,2-Tetrachloroethane	U		0.00748	0.0283	25	03/15/2018 00:37	WG1082449
1,1,2,2-Tetrachloroethane	U		0.0103	0.0283	25	03/15/2018 00:37	WG1082449
1,1,2-Trichlorotrifluoroethane	U		0.0103	0.0283	25	03/15/2018 00:37	WG1082449
Tetrachloroethene	10.5		0.0782	0.283	250	03/15/2018 13:13	WG1082449
Toluene	U		0.0122	0.142	25	03/15/2018 00:37	WG1082449
1,2,3-Trichlorobenzene	U		0.00867	0.0283	25	03/15/2018 00:37	WG1082449
1,2,4-Trichlorobenzene	U		0.0110	0.0283	25	03/15/2018 00:37	WG1082449
1,1,1-Trichloroethane	U		0.00810	0.0283	25	03/15/2018 00:37	WG1082449
1,1,2-Trichloroethane	U		0.00784	0.0283	25	03/15/2018 00:37	WG1082449
Trichloroethene	3.82		0.00791	0.0283	25	03/15/2018 00:37	WG1082449
Trichlorofluoromethane	U		0.0108	0.142	25	03/15/2018 00:37	WG1082449
1,2,3-Trichloropropane	U		0.0210	0.0708	25	03/15/2018 00:37	WG1082449
1,2,4-Trimethylbenzene	U		0.00598	0.0283	25	03/15/2018 00:37	WG1082449
1,2,3-Trimethylbenzene	U		0.00814	0.0283	25	03/15/2018 00:37	WG1082449
1,3,5-Trimethylbenzene	U		0.00754	0.0283	25	03/15/2018 00:37	WG1082449
Vinyl acetate	U		0.0678	0.283	25	03/15/2018 00:37	WG1082449
Vinyl chloride	0.0525		0.00825	0.0283	25	03/15/2018 00:37	WG1082449
Xylenes, Total	U		0.0197	0.0850	25	03/15/2018 00:37	WG1082449
(S) Toluene-d8	*107*			*80.0-120*		*03/15/2018 00:37*	WG1082449
(S) Toluene-d8	*102*			*80.0-120*		*03/15/2018 13:13*	WG1082449
(S) Dibromofluoromethane	*103*			*74.0-131*		*03/15/2018 13:13*	WG1082449
(S) Dibromofluoromethane	*93.9*			*74.0-131*		*03/15/2018 00:37*	WG1082449
(S) 4-Bromofluorobenzene	*95.3*			*64.0-132*		*03/15/2018 13:13*	WG1082449
(S) 4-Bromofluorobenzene	*89.8*			*64.0-132*		*03/15/2018 00:37*	WG1082449

Sample Narrative:

L975879-11 WG1082449: Cannot be analyzed at a lower dilution due to high levels of target analytes.

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

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1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	90.3		1	03/13/2018 12:42	WG1083649

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier		MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U			0.0111	0.0554	1	03/09/2018 03:40	WG1082449
Acrylonitrile	U			0.00198	0.0111	1	03/09/2018 03:40	WG1082449
Benzene	U			0.000299	0.00111	1	03/09/2018 03:40	WG1082449
Bromobenzene	U			0.000315	0.00111	1	03/09/2018 03:40	WG1082449
Bromodichloromethane	U			0.000281	0.00111	1	03/09/2018 03:40	WG1082449
Bromochloromethane	U			0.000432	0.00554	1	03/09/2018 03:40	WG1082449
Bromoform	U			0.000470	0.00111	1	03/09/2018 03:40	WG1082449
Bromomethane	U			0.00148	0.00554	1	03/09/2018 03:40	WG1082449
n-Butylbenzene	U	J6	R	0.000286	0.00111	1	03/09/2018 03:40	WG1082449
sec-Butylbenzene	U			0.000223	0.00111	1	03/09/2018 03:40	WG1082449
tert-Butylbenzene	U			0.000228	0.00111	1	03/09/2018 03:40	WG1082449
Carbon disulfide	0.000377	J	J	0.000245	0.00111	1	03/09/2018 03:40	WG1082449
Carbon tetrachloride	U			0.000363	0.00111	1	03/09/2018 03:40	WG1082449
Chlorobenzene	U			0.000235	0.00111	1	03/09/2018 03:40	WG1082449
Chlorodibromomethane	U			0.000413	0.00111	1	03/09/2018 03:40	WG1082449
Chloroethane	U			0.00105	0.00554	1	03/09/2018 03:40	WG1082449
Chloroform	U			0.000254	0.00554	1	03/09/2018 03:40	WG1082449
Chloromethane	U			0.000415	0.00277	1	03/09/2018 03:40	WG1082449
2-Chlorotoluene	U			0.000333	0.00111	1	03/09/2018 03:40	WG1082449
4-Chlorotoluene	U			0.000266	0.00111	1	03/09/2018 03:40	WG1082449
1,2-Dibromo-3-Chloropropane	U			0.00116	0.00554	1	03/09/2018 03:40	WG1082449
1,2-Dibromoethane	U			0.000380	0.00111	1	03/09/2018 03:40	WG1082449
Dibromomethane	U			0.000423	0.00111	1	03/09/2018 03:40	WG1082449
1,2-Dichlorobenzene	U			0.000338	0.00111	1	03/09/2018 03:40	WG1082449
1,3-Dichlorobenzene	U	J6	R	0.000265	0.00111	1	03/09/2018 03:40	WG1082449
1,4-Dichlorobenzene	U	J6	R	0.000250	0.00111	1	03/09/2018 03:40	WG1082449
Dichlorodifluoromethane	U			0.000790	0.00554	1	03/09/2018 03:40	WG1082449
1,1-Dichloroethane	U			0.000220	0.00111	1	03/09/2018 03:40	WG1082449
1,2-Dichloroethane	U			0.000294	0.00111	1	03/09/2018 03:40	WG1082449
1,1-Dichloroethene	U			0.000336	0.00111	1	03/09/2018 03:40	WG1082449
cis-1,2-Dichloroethene	0.0353	J6	J	0.000260	0.00111	1	03/09/2018 03:40	WG1082449
trans-1,2-Dichloroethene	0.000295	J	J	0.000292	0.00111	1	03/09/2018 03:40	WG1082449
1,2-Dichloropropane	U			0.000397	0.00111	1	03/09/2018 03:40	WG1082449
1,1-Dichloropropene	U			0.000351	0.00111	1	03/09/2018 03:40	WG1082449
1,3-Dichloropropane	U			0.000229	0.00111	1	03/09/2018 03:40	WG1082449
cis-1,3-Dichloropropene	U			0.000290	0.00111	1	03/09/2018 03:40	WG1082449
trans-1,3-Dichloropropene	U			0.000296	0.00111	1	03/09/2018 03:40	WG1082449
trans-1,4-Dichloro-2-butene	U			0.000862	0.00277	1	03/09/2018 03:40	WG1082449
2,2-Dichloropropane	U			0.000309	0.00111	1	03/09/2018 03:40	WG1082449
Di-isopropyl ether	U			0.000275	0.00111	1	03/09/2018 03:40	WG1082449
Ethylbenzene	U			0.000329	0.00111	1	03/09/2018 03:40	WG1082449
Hexachloro-1,3-butadiene	U			0.000379	0.00111	1	03/09/2018 03:40	WG1082449
2-Hexanone	U			0.00152	0.0111	1	03/09/2018 03:40	WG1082449
n-Hexane	U			0.000321	0.0111	1	03/09/2018 03:40	WG1082449
Iodomethane	U			0.00280	0.0111	1	03/09/2018 03:40	WG1082449
Isopropylbenzene	U			0.000269	0.00111	1	03/09/2018 03:40	WG1082449
p-Isopropyltoluene	U			0.000226	0.00111	1	03/09/2018 03:40	WG1082449
2-Butanone (MEK)	U			0.00518	0.0111	1	03/09/2018 03:40	WG1082449
Methylene Chloride	U			0.00111	0.00554	1	03/09/2018 03:40	WG1082449
4-Methyl-2-pentanone (MIBK)	U			0.00208	0.0111	1	03/09/2018 03:40	WG1082449

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000235	0.00111	1	03/09/2018 03:40	WG1082449
Naphthalene	U	J6 R	0.00111	0.00554	1	03/09/2018 03:40	WG1082449
n-Propylbenzene	U		0.000228	0.00111	1	03/09/2018 03:40	WG1082449
Styrene	U	J6 R	0.000259	0.00111	1	03/09/2018 03:40	WG1082449
1,1,1,2-Tetrachloroethane	U		0.000292	0.00111	1	03/09/2018 03:40	WG1082449
1,1,2,2-Tetrachloroethane	U		0.000404	0.00111	1	03/09/2018 03:40	WG1082449
1,1,2-Trichlorotrifluoroethane	U		0.000404	0.00111	1	03/09/2018 03:40	WG1082449
Tetrachloroethene	0.00196		0.000306	0.00111	1	03/15/2018 12:53	WG1082449
Toluene	U		0.000481	0.00554	1	03/09/2018 03:40	WG1082449
1,2,3-Trichlorobenzene	U	J6 R	0.000339	0.00111	1	03/09/2018 03:40	WG1082449
1,2,4-Trichlorobenzene	U	J6 R	0.000430	0.00111	1	03/09/2018 03:40	WG1082449
1,1,1-Trichloroethane	U		0.000317	0.00111	1	03/09/2018 03:40	WG1082449
1,1,2-Trichloroethane	U		0.000307	0.00111	1	03/09/2018 03:40	WG1082449
Trichloroethene	0.00311		0.000309	0.00111	1	03/15/2018 00:57	WG1082449
Trichlorofluoromethane	U		0.000423	0.00554	1	03/09/2018 03:40	WG1082449
1,2,3-Trichloropropane	U		0.000821	0.00277	1	03/09/2018 03:40	WG1082449
1,2,4-Trimethylbenzene	U		0.000234	0.00111	1	03/09/2018 03:40	WG1082449
1,2,3-Trimethylbenzene	U		0.000318	0.00111	1	03/09/2018 03:40	WG1082449
1,3,5-Trimethylbenzene	U		0.000295	0.00111	1	03/09/2018 03:40	WG1082449
Vinyl acetate	U		0.00265	0.0111	1	03/09/2018 03:40	WG1082449
Vinyl chloride	0.00878		0.000322	0.00111	1	03/09/2018 03:40	WG1082449
Xylenes, Total	U		0.000773	0.00332	1	03/09/2018 03:40	WG1082449
(S) Toluene-d8	*92.9*			*80.0-120*		*03/09/2018 03:40*	WG1082449
(S) Toluene-d8	*103*			*80.0-120*		*03/15/2018 00:57*	WG1082449
(S) Toluene-d8	*96.7*			*80.0-120*		*03/15/2018 12:53*	WG1082449
(S) Dibromofluoromethane	*103*			*74.0-131*		*03/15/2018 00:57*	WG1082449
(S) Dibromofluoromethane	*109*			*74.0-131*		*03/15/2018 12:53*	WG1082449
(S) Dibromofluoromethane	*117*			*74.0-131*		*03/09/2018 03:40*	WG1082449
(S) 4-Bromofluorobenzene	*101*			*64.0-132*		*03/15/2018 12:53*	WG1082449
(S) 4-Bromofluorobenzene	*101*			*64.0-132*		*03/15/2018 00:57*	WG1082449
(S) 4-Bromofluorobenzene	*103*			*64.0-132*		*03/09/2018 03:40*	WG1082449

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		1.05	25.0	1	03/09/2018 11:54	WG1082568
Acrylonitrile	U		0.873	5.00	1	03/09/2018 11:54	WG1082568
Benzene	U		0.0896	0.500	1	03/09/2018 11:54	WG1082568
Bromobenzene	U		0.133	0.500	1	03/09/2018 11:54	WG1082568
Bromodichloromethane	U		0.0800	0.500	1	03/09/2018 11:54	WG1082568
Bromochloromethane	U		0.145	0.500	1	03/09/2018 11:54	WG1082568
Bromoform	U		0.186	0.500	1	03/09/2018 11:54	WG1082568
Bromomethane	U		0.157	2.50	1	03/09/2018 11:54	WG1082568
n-Butylbenzene	U		0.143	0.500	1	03/09/2018 11:54	WG1082568
sec-Butylbenzene	U		0.134	0.500	1	03/09/2018 11:54	WG1082568
tert-Butylbenzene	U		0.183	0.500	1	03/09/2018 11:54	WG1082568
Carbon disulfide	U		0.101	0.500	1	03/09/2018 11:54	WG1082568
Carbon tetrachloride	U		0.159	0.500	1	03/09/2018 11:54	WG1082568
Chlorobenzene	U		0.140	0.500	1	03/09/2018 11:54	WG1082568
Chlorodibromomethane	U		0.128	0.500	1	03/09/2018 11:54	WG1082568
Chloroethane	U		0.141	2.50	1	03/09/2018 11:54	WG1082568
Chloroform	U		0.0860	0.500	1	03/09/2018 11:54	WG1082568
Chloromethane	U		0.153	1.25	1	03/09/2018 11:54	WG1082568
2-Chlorotoluene	U		0.111	0.500	1	03/09/2018 11:54	WG1082568
4-Chlorotoluene	U		0.0972	0.500	1	03/09/2018 11:54	WG1082568
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	03/09/2018 11:54	WG1082568
1,2-Dibromoethane	U		0.193	0.500	1	03/09/2018 11:54	WG1082568
Dibromomethane	U		0.117	0.500	1	03/09/2018 11:54	WG1082568
1,2-Dichlorobenzene	U		0.101	0.500	1	03/09/2018 11:54	WG1082568
1,3-Dichlorobenzene	U		0.130	0.500	1	03/09/2018 11:54	WG1082568
1,4-Dichlorobenzene	U		0.121	0.500	1	03/09/2018 11:54	WG1082568
Dichlorodifluoromethane	U		0.127	2.50	1	03/09/2018 11:54	WG1082568
1,1-Dichloroethane	U		0.114	0.500	1	03/09/2018 11:54	WG1082568
1,2-Dichloroethane	U		0.108	0.500	1	03/09/2018 11:54	WG1082568
1,1-Dichloroethene	U		0.188	0.500	1	03/09/2018 11:54	WG1082568
cis-1,2-Dichloroethene	U		0.0933	0.500	1	03/09/2018 11:54	WG1082568
trans-1,2-Dichloroethene	U		0.152	0.500	1	03/09/2018 11:54	WG1082568
1,2-Dichloropropane	U		0.190	0.500	1	03/09/2018 11:54	WG1082568
1,1-Dichloropropene	U		0.128	0.500	1	03/09/2018 11:54	WG1082568
1,3-Dichloropropane	U		0.147	1.00	1	03/09/2018 11:54	WG1082568
cis-1,3-Dichloropropene	U		0.0976	0.500	1	03/09/2018 11:54	WG1082568
trans-1,3-Dichloropropene	U		0.222	0.500	1	03/09/2018 11:54	WG1082568
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	03/09/2018 11:54	WG1082568
2,2-Dichloropropane	U		0.0929	0.500	1	03/09/2018 11:54	WG1082568
Di-isopropyl ether	U		0.0924	0.500	1	03/09/2018 11:54	WG1082568
Ethylbenzene	U		0.158	0.500	1	03/09/2018 11:54	WG1082568
Hexachloro-1,3-butadiene	U		0.157	1.00	1	03/09/2018 11:54	WG1082568
2-Hexanone	U		0.757	5.00	1	03/09/2018 11:54	WG1082568
n-Hexane	U		0.305	5.00	1	03/09/2018 11:54	WG1082568
Iodomethane	U		0.377	10.0	1	03/09/2018 11:54	WG1082568
Isopropylbenzene	U		0.126	0.500	1	03/09/2018 11:54	WG1082568
p-Isopropyltoluene	U		0.138	0.500	1	03/09/2018 11:54	WG1082568
2-Butanone (MEK)	U		1.28	5.00	1	03/09/2018 11:54	WG1082568
Methylene Chloride	U		1.07	2.50	1	03/09/2018 11:54	WG1082568
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	03/09/2018 11:54	WG1082568
Methyl tert-butyl ether	U		0.102	0.500	1	03/09/2018 11:54	WG1082568
Naphthalene	U		0.174	2.50	1	03/09/2018 11:54	WG1082568
n-Propylbenzene	U		0.162	0.500	1	03/09/2018 11:54	WG1082568
Styrene	U		0.117	0.500	1	03/09/2018 11:54	WG1082568
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	03/09/2018 11:54	WG1082568
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	03/09/2018 11:54	WG1082568

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	03/09/2018 11:54	WG1082568
Tetrachloroethene	U		0.199	0.500	1	03/09/2018 11:54	WG1082568
Toluene	U		0.412	0.500	1	03/09/2018 11:54	WG1082568
1,2,3-Trichlorobenzene	U		0.164	0.500	1	03/09/2018 11:54	WG1082568
1,2,4-Trichlorobenzene	U		0.355	0.500	1	03/09/2018 11:54	WG1082568
1,1,1-Trichloroethane	U		0.0940	0.500	1	03/09/2018 11:54	WG1082568
1,1,2-Trichloroethane	U		0.186	0.500	1	03/09/2018 11:54	WG1082568
Trichloroethene	U		0.153	0.500	1	03/09/2018 11:54	WG1082568
Trichlorofluoromethane	U	J3	0.130	2.50	1	03/09/2018 11:54	WG1082568
1,2,3-Trichloropropane	U		0.247	2.50	1	03/09/2018 11:54	WG1082568
1,2,4-Trimethylbenzene	U		0.123	0.500	1	03/09/2018 11:54	WG1082568
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	03/09/2018 11:54	WG1082568
1,3,5-Trimethylbenzene	U		0.124	0.500	1	03/09/2018 11:54	WG1082568
Vinyl acetate	U	J4	0.645	5.00	1	03/09/2018 11:54	WG1082568
Vinyl chloride	U		0.118	0.500	1	03/09/2018 11:54	WG1082568
Xylenes, Total	U		0.316	1.50	1	03/09/2018 11:54	WG1082568
(S) Toluene-d8	*107*			*80.0-120*		*03/09/2018 11:54*	WG1082568
(S) Dibromofluoromethane	*92.6*			*76.0-123*		*03/09/2018 11:54*	WG1082568
(S) 4-Bromofluorobenzene	*93.2*			*80.0-120*		*03/09/2018 11:54*	WG1082568

JC 4/10/18

From: Bill Haldeman
To: Shannon E. McKernan
Subject: FW: ESC Lab Sciences American Linen L988727
Date: May 3, 2018 4:35:23 PM
Attachments: image001.png

From: Brian Ford <BFord@esclabsciences.com>
Sent: Thursday, May 3, 2018 4:33 PM
To: Brian O'Neal <boneal@pesenv.com>; Bill Haldeman <bhaldeman@pesenv.com>
Subject: ESC Lab Sciences American Linen L988727

Bill/Brian,

You will be receiving this lab report shortly. Just a heads up…there is a detection in the trip blank for cis-12-DCE. The lab double checked the results and they are legitimate and there is no evidence of carryover from a previous sample. Let me know if you need any other info.

Thanks,

Brian Ford
Technical Service Representative
ESC Lab Sciences-a subsidiary of Pace Analytical
12065 Lebanon Road | Mt. Juliet, TN 37122
615.773.9772
bford@esclabsciences.com | www.esclabsciences.com

ANALYTICAL REPORT

March 22, 2018

PES Environmental, Inc.- WA

Sample Delivery Group:	L977245
Samples Received:	03/14/2018
Project Number:	1413.001.05.304
Description:	American Linen Project
Report To:	Brian O'Neal/Bill Haldeman 1215 Fourth Ave., Suite 1350 Seattle, WA 98161

Entire Report Reviewed By: Brian Ford

Brian Ford
Technical Service Representative

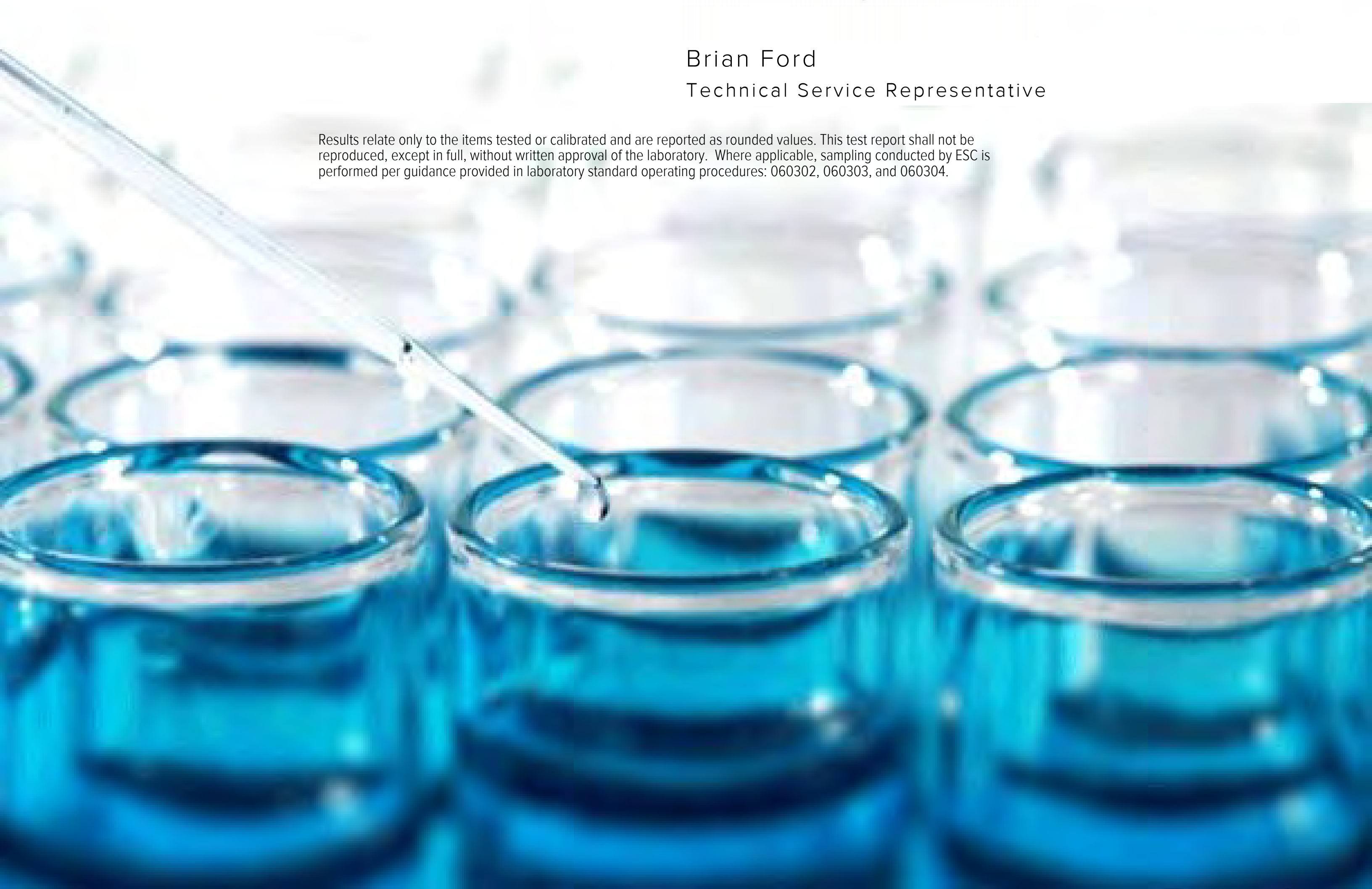


TABLE OF CONTENTS

IW-2C-5 L977245-01 Solid

Collected by	Collected date/time	Received date/time
R. McLaughlin	03/07/18 08:32	03/14/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1086138	1	03/20/18 09:31	03/20/18 09:39	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1085895	1	03/07/18 08:32	03/17/18 14:06	BMB

IW-2C-15 L977245-02 Solid

Collected by	Collected date/time	Received date/time
R. McLaughlin	03/07/18 09:03	03/14/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1086138	1	03/20/18 09:31	03/20/18 09:39	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1085895	1	03/07/18 09:03	03/17/18 14:26	BMB

IW-2C-25 L977245-03 Solid

Collected by	Collected date/time	Received date/time
R. McLaughlin	03/07/18 09:23	03/14/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1086138	1	03/20/18 09:31	03/20/18 09:39	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1085895	1	03/07/18 09:23	03/17/18 14:46	BMB
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1085895	100	03/07/18 09:23	03/21/18 14:33	BMB

IW-2C-35 L977245-04 Solid

Collected by	Collected date/time	Received date/time
R. McLaughlin	03/07/18 09:35	03/14/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1086138	1	03/20/18 09:31	03/20/18 09:39	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1085895	1	03/07/18 09:35	03/17/18 15:06	BMB
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1085895	50	03/07/18 09:35	03/21/18 14:54	BMB

IW-2C-45 L977245-05 Solid

Collected by	Collected date/time	Received date/time
R. McLaughlin	03/07/18 10:05	03/14/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1086138	1	03/20/18 09:31	03/20/18 09:39	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1085895	1	03/07/18 10:05	03/17/18 15:25	BMB
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1085895	200	03/07/18 10:05	03/21/18 15:15	BMB

IW-2C-55 L977245-06 Solid

Collected by	Collected date/time	Received date/time
R. McLaughlin	03/07/18 10:55	03/14/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1086138	1	03/20/18 09:31	03/20/18 09:39	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1085895	1	03/07/18 10:55	03/17/18 15:45	BMB
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1085895	1	03/07/18 10:55	03/21/18 13:30	BMB

IW-2C-65 L977245-07 Solid

Collected by	Collected date/time	Received date/time
R. McLaughlin	03/07/18 11:20	03/14/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1086138	1	03/20/18 09:31	03/20/18 09:39	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1085895	1	03/07/18 11:20	03/17/18 16:04	BMB
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1085895	1	03/07/18 11:20	03/21/18 13:52	BMB

IW-2C-75 L977245-08 Solid

Collected by	Collected date/time	Received date/time
R. McLaughlin	03/07/18 11:40	03/14/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1086138	1	03/20/18 09:31	03/20/18 09:39	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1085895	1	03/07/18 11:40	03/17/18 16:24	BMB
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1085895	1	03/07/18 11:40	03/21/18 14:12	BMB

IW-1C-5 L977245-09 Solid

Collected by	Collected date/time	Received date/time
R. McLaughlin	03/07/18 11:35	03/14/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1086139	1	03/20/18 10:34	03/20/18 10:59	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1085895	1	03/07/18 11:35	03/17/18 18:03	BMB

IW-1C-15 L977245-10 Solid

Collected by	Collected date/time	Received date/time
R. McLaughlin	03/07/18 11:55	03/14/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1086139	1	03/20/18 10:34	03/20/18 10:59	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1085895	1	03/07/18 11:55	03/17/18 18:23	BMB

IW-1C-25 L977245-11 Solid

Collected by	Collected date/time	Received date/time
R. McLaughlin	03/07/18 12:12	03/14/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1086139	1	03/20/18 10:34	03/20/18 10:59	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1085895	200	03/07/18 12:12	03/17/18 20:59	BMB

IW-1C-35 L977245-12 Solid

Collected by	Collected date/time	Received date/time
R. McLaughlin	03/07/18 12:30	03/14/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1086139	1	03/20/18 10:34	03/20/18 10:59	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1085895	1	03/07/18 12:30	03/17/18 18:42	BMB
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1085895	200	03/07/18 12:30	03/21/18 15:36	BMB

IW-1C-45 L977245-13 Solid

Collected by	Collected date/time	Received date/time
R. McLaughlin	03/07/18 13:20	03/14/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1086139	1	03/20/18 10:34	03/20/18 10:59	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1085895	1	03/07/18 13:20	03/17/18 19:02	BMB
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1085895	55.5	03/07/18 13:20	03/21/18 15:58	BMB

IW-1C-55 L977245-14 Solid

Collected by	Collected date/time	Received date/time
R. McLaughlin	03/07/18 13:40	03/14/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1086139	1	03/20/18 10:34	03/20/18 10:59	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1085895	1	03/07/18 13:40	03/17/18 19:22	BMB
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1085895	25	03/07/18 13:40	03/21/18 14:06	ACG

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

IW-1C-65 L977245-15 Solid

Collected by	Collected date/time	Received date/time
R. McLaughlin	03/07/18 13:55	03/14/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1086139	1	03/20/18 10:34	03/20/18 10:59	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1085895	1	03/07/18 13:55	03/17/18 19:42	BMB
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1085895	1	03/07/18 13:55	03/21/18 13:26	ACG

IW-1C-75 L977245-16 Solid

Collected by	Collected date/time	Received date/time
R. McLaughlin	03/07/18 14:40	03/14/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1086139	1	03/20/18 10:34	03/20/18 10:59	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1085895	1	03/07/18 14:40	03/17/18 20:01	BMB
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1085895	1	03/07/18 14:40	03/21/18 13:47	ACG

IW-3C-5 L977245-17 Solid

Collected by	Collected date/time	Received date/time
R. McLaughlin	03/09/18 09:33	03/14/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1086139	1	03/20/18 10:34	03/20/18 10:59	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1085895	1	03/09/18 09:33	03/17/18 20:21	BMB

IW-3C-15 L977245-18 Solid

Collected by	Collected date/time	Received date/time
R. McLaughlin	03/09/18 09:45	03/14/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1086139	1	03/20/18 10:34	03/20/18 10:59	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1085895	25	03/09/18 09:45	03/17/18 20:40	BMB

IW-3C-25 L977245-19 Solid

Collected by	Collected date/time	Received date/time
R. McLaughlin	03/09/18 09:56	03/14/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1086140	1	03/20/18 09:58	03/20/18 10:08	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1085895	500	03/09/18 09:56	03/17/18 21:39	BMB

IW-3C-35 L977245-20 Solid

Collected by	Collected date/time	Received date/time
R. McLaughlin	03/09/18 10:05	03/14/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1086140	1	03/20/18 09:58	03/20/18 10:08	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1085895	200	03/09/18 10:05	03/17/18 21:19	BMB

IW-3C-45 L977245-21 Solid

Collected by	Collected date/time	Received date/time
R. McLaughlin	03/09/18 10:16	03/14/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1086140	1	03/20/18 09:58	03/20/18 10:08	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1084660	1	03/09/18 10:16	03/15/18 16:09	JHH
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1084660	25.25	03/09/18 10:16	03/21/18 15:05	ACG

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

IW-3C-55 L977245-22 Solid

Collected by	Collected date/time	Received date/time
R. McLaughlin	03/09/18 10:35	03/14/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1086140	1	03/20/18 09:58	03/20/18 10:08	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1084660	1	03/09/18 10:35	03/15/18 16:29	JHH
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1084660	1	03/09/18 10:35	03/21/18 14:26	ACG

IW-3C-65 L977245-23 Solid

Collected by	Collected date/time	Received date/time
R. McLaughlin	03/09/18 10:55	03/14/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1086140	1	03/20/18 09:58	03/20/18 10:08	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1084660	1	03/09/18 10:55	03/15/18 16:49	JHH
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1084660	25	03/09/18 10:55	03/21/18 15:24	ACG

IW-3C-75 L977245-24 Solid

Collected by	Collected date/time	Received date/time
R. McLaughlin	03/09/18 11:25	03/14/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1086140	1	03/20/18 09:58	03/20/18 10:08	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1084660	1	03/09/18 11:25	03/15/18 17:09	JHH

IW-3C-79 L977245-25 Solid

Collected by	Collected date/time	Received date/time
R. McLaughlin	03/09/18 11:55	03/14/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1086140	1	03/20/18 09:58	03/20/18 10:08	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1084660	1	03/09/18 11:55	03/15/18 17:29	JHH

IW-901-79 L977245-26 Solid

Collected by	Collected date/time	Received date/time
R. McLaughlin	03/09/18 13:10	03/14/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1086140	1	03/20/18 09:58	03/20/18 10:08	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1084660	1	03/09/18 13:10	03/15/18 17:49	JHH

TRIP BLANK L977245-27 GW

Collected by	Collected date/time	Received date/time
R. McLaughlin	03/09/18 13:10	03/14/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1084690	1	03/14/18 20:53	03/14/18 20:53	LRL

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All radiochemical sample results for solids are reported on a dry weight basis with the exception of tritium, carbon-14 and radon, unless wet weight was requested by the client. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Brian Ford

Brian Ford
Technical Service Representative

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	81.0		1	03/20/2018 09:39	WG1086138

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.0154	J	0.0124	0.0618	1	03/17/2018 14:06	WG1085895
Acrylonitrile	U		0.00221	0.0124	1	03/17/2018 14:06	WG1085895
Benzene	0.000546	J	0.000333	0.00124	1	03/17/2018 14:06	WG1085895
Bromobenzene	U		0.000351	0.00124	1	03/17/2018 14:06	WG1085895
Bromodichloromethane	U		0.000314	0.00124	1	03/17/2018 14:06	WG1085895
Bromochloromethane	U		0.000482	0.00618	1	03/17/2018 14:06	WG1085895
Bromoform	U		0.000524	0.00124	1	03/17/2018 14:06	WG1085895
Bromomethane	U		0.00166	0.00618	1	03/17/2018 14:06	WG1085895
n-Butylbenzene	U		0.000319	0.00124	1	03/17/2018 14:06	WG1085895
sec-Butylbenzene	U		0.000248	0.00124	1	03/17/2018 14:06	WG1085895
tert-Butylbenzene	U		0.000254	0.00124	1	03/17/2018 14:06	WG1085895
Carbon disulfide	0.00254		0.000273	0.00124	1	03/17/2018 14:06	WG1085895
Carbon tetrachloride	U		0.000405	0.00124	1	03/17/2018 14:06	WG1085895
Chlorobenzene	U		0.000262	0.00124	1	03/17/2018 14:06	WG1085895
Chlorodibromomethane	U		0.000461	0.00124	1	03/17/2018 14:06	WG1085895
Chloroethane	U		0.00117	0.00618	1	03/17/2018 14:06	WG1085895
Chloroform	U		0.000283	0.00618	1	03/17/2018 14:06	WG1085895
Chloromethane	U		0.000463	0.00309	1	03/17/2018 14:06	WG1085895
2-Chlorotoluene	U		0.000372	0.00124	1	03/17/2018 14:06	WG1085895
4-Chlorotoluene	U		0.000296	0.00124	1	03/17/2018 14:06	WG1085895
1,2-Dibromo-3-Chloropropane	U		0.00130	0.00618	1	03/17/2018 14:06	WG1085895
1,2-Dibromoethane	U		0.000424	0.00124	1	03/17/2018 14:06	WG1085895
Dibromomethane	U		0.000472	0.00124	1	03/17/2018 14:06	WG1085895
1,2-Dichlorobenzene	U		0.000377	0.00124	1	03/17/2018 14:06	WG1085895
1,3-Dichlorobenzene	U		0.000295	0.00124	1	03/17/2018 14:06	WG1085895
1,4-Dichlorobenzene	U		0.000279	0.00124	1	03/17/2018 14:06	WG1085895
Dichlorodifluoromethane	U		0.000881	0.00618	1	03/17/2018 14:06	WG1085895
1,1-Dichloroethane	U		0.000246	0.00124	1	03/17/2018 14:06	WG1085895
1,2-Dichloroethane	U		0.000327	0.00124	1	03/17/2018 14:06	WG1085895
1,1-Dichloroethene	U		0.000374	0.00124	1	03/17/2018 14:06	WG1085895
cis-1,2-Dichloroethene	0.00860		0.000290	0.00124	1	03/17/2018 14:06	WG1085895
trans-1,2-Dichloroethene	0.000363	J	0.000326	0.00124	1	03/17/2018 14:06	WG1085895
1,2-Dichloropropane	U		0.000442	0.00124	1	03/17/2018 14:06	WG1085895
1,1-Dichloropropene	U		0.000392	0.00124	1	03/17/2018 14:06	WG1085895
1,3-Dichloropropane	U		0.000256	0.00124	1	03/17/2018 14:06	WG1085895
cis-1,3-Dichloropropene	U		0.000324	0.00124	1	03/17/2018 14:06	WG1085895
trans-1,3-Dichloropropene	U		0.000330	0.00124	1	03/17/2018 14:06	WG1085895
trans-1,4-Dichloro-2-butene	U		0.000961	0.00309	1	03/17/2018 14:06	WG1085895
2,2-Dichloropropane	U		0.000345	0.00124	1	03/17/2018 14:06	WG1085895
Di-isopropyl ether	U		0.000306	0.00124	1	03/17/2018 14:06	WG1085895
Ethylbenzene	U		0.000367	0.00124	1	03/17/2018 14:06	WG1085895
Hexachloro-1,3-butadiene	U		0.000422	0.00124	1	03/17/2018 14:06	WG1085895
2-Hexanone	U		0.00169	0.0124	1	03/17/2018 14:06	WG1085895
n-Hexane	0.00173	J	0.000358	0.0124	1	03/17/2018 14:06	WG1085895
Iodomethane	U		0.00312	0.0124	1	03/17/2018 14:06	WG1085895
Isopropylbenzene	U		0.000300	0.00124	1	03/17/2018 14:06	WG1085895
p-Isopropyltoluene	U		0.000252	0.00124	1	03/17/2018 14:06	WG1085895
2-Butanone (MEK)	U		0.00578	0.0124	1	03/17/2018 14:06	WG1085895
Methylene Chloride	U		0.00124	0.00618	1	03/17/2018 14:06	WG1085895
4-Methyl-2-pentanone (MIBK)	U		0.00232	0.0124	1	03/17/2018 14:06	WG1085895

IW-2C-5

Collected date/time: 03/07/18 08:32

SAMPLE RESULTS - 01

L977245

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000262	0.00124	1	03/17/2018 14:06	WG1085895
Naphthalene	U		0.00124	0.00618	1	03/17/2018 14:06	WG1085895
n-Propylbenzene	U		0.000254	0.00124	1	03/17/2018 14:06	WG1085895
Styrene	U		0.000289	0.00124	1	03/17/2018 14:06	WG1085895
1,1,1,2-Tetrachloroethane	U		0.000326	0.00124	1	03/17/2018 14:06	WG1085895
1,1,2,2-Tetrachloroethane	U		0.000451	0.00124	1	03/17/2018 14:06	WG1085895
1,1,2-Trichlorotrifluoroethane	U		0.000451	0.00124	1	03/17/2018 14:06	WG1085895
Tetrachloroethene	0.000478	J	0.000341	0.00124	1	03/17/2018 14:06	WG1085895
Toluene	U		0.000536	0.00618	1	03/17/2018 14:06	WG1085895
1,2,3-Trichlorobenzene	U		0.000378	0.00124	1	03/17/2018 14:06	WG1085895
1,2,4-Trichlorobenzene	U		0.000479	0.00124	1	03/17/2018 14:06	WG1085895
1,1,1-Trichloroethane	U		0.000353	0.00124	1	03/17/2018 14:06	WG1085895
1,1,2-Trichloroethane	U		0.000342	0.00124	1	03/17/2018 14:06	WG1085895
Trichloroethene	0.000790	J	0.000345	0.00124	1	03/17/2018 14:06	WG1085895
Trichlorofluoromethane	U		0.000472	0.00618	1	03/17/2018 14:06	WG1085895
1,2,3-Trichloropropane	U		0.000915	0.00309	1	03/17/2018 14:06	WG1085895
1,2,4-Trimethylbenzene	U		0.000261	0.00124	1	03/17/2018 14:06	WG1085895
1,2,3-Trimethylbenzene	U		0.000354	0.00124	1	03/17/2018 14:06	WG1085895
1,3,5-Trimethylbenzene	U		0.000329	0.00124	1	03/17/2018 14:06	WG1085895
Vinyl acetate	U		0.00295	0.0124	1	03/17/2018 14:06	WG1085895
Vinyl chloride	0.000593	J	0.000359	0.00124	1	03/17/2018 14:06	WG1085895
Xylenes, Total	U		0.000862	0.00371	1	03/17/2018 14:06	WG1085895
(S) Toluene-d8	*97.3*			*80.0-120*		*03/17/2018 14:06*	WG1085895
(S) Dibromofluoromethane	*106*			*74.0-131*		*03/17/2018 14:06*	WG1085895
(S) 4-Bromofluorobenzene	*93.5*			*64.0-132*		*03/17/2018 14:06*	WG1085895

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	83.7		1	03/20/2018 09:39	WG1086138

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0119	0.0597	1	03/17/2018 14:26	WG1085895
Acrylonitrile	U		0.00214	0.0119	1	03/17/2018 14:26	WG1085895
Benzene	U		0.000323	0.00119	1	03/17/2018 14:26	WG1085895
Bromobenzene	U		0.000339	0.00119	1	03/17/2018 14:26	WG1085895
Bromodichloromethane	U		0.000303	0.00119	1	03/17/2018 14:26	WG1085895
Bromochloromethane	U		0.000466	0.00597	1	03/17/2018 14:26	WG1085895
Bromoform	U		0.000507	0.00119	1	03/17/2018 14:26	WG1085895
Bromomethane	U		0.00160	0.00597	1	03/17/2018 14:26	WG1085895
n-Butylbenzene	U		0.000308	0.00119	1	03/17/2018 14:26	WG1085895
sec-Butylbenzene	U		0.000240	0.00119	1	03/17/2018 14:26	WG1085895
tert-Butylbenzene	U		0.000246	0.00119	1	03/17/2018 14:26	WG1085895
Carbon disulfide	0.00121		0.000264	0.00119	1	03/17/2018 14:26	WG1085895
Carbon tetrachloride	U		0.000392	0.00119	1	03/17/2018 14:26	WG1085895
Chlorobenzene	U		0.000253	0.00119	1	03/17/2018 14:26	WG1085895
Chlorodibromomethane	U		0.000446	0.00119	1	03/17/2018 14:26	WG1085895
Chloroethane	U		0.00113	0.00597	1	03/17/2018 14:26	WG1085895
Chloroform	U		0.000274	0.00597	1	03/17/2018 14:26	WG1085895
Chloromethane	U		0.000448	0.00299	1	03/17/2018 14:26	WG1085895
2-Chlorotoluene	U		0.000360	0.00119	1	03/17/2018 14:26	WG1085895
4-Chlorotoluene	U		0.000287	0.00119	1	03/17/2018 14:26	WG1085895
1,2-Dibromo-3-Chloropropane	U		0.00125	0.00597	1	03/17/2018 14:26	WG1085895
1,2-Dibromoethane	U		0.000410	0.00119	1	03/17/2018 14:26	WG1085895
Dibromomethane	U		0.000456	0.00119	1	03/17/2018 14:26	WG1085895
1,2-Dichlorobenzene	U		0.000364	0.00119	1	03/17/2018 14:26	WG1085895
1,3-Dichlorobenzene	U		0.000286	0.00119	1	03/17/2018 14:26	WG1085895
1,4-Dichlorobenzene	U		0.000270	0.00119	1	03/17/2018 14:26	WG1085895
Dichlorodifluoromethane	U		0.000852	0.00597	1	03/17/2018 14:26	WG1085895
1,1-Dichloroethane	U		0.000238	0.00119	1	03/17/2018 14:26	WG1085895
1,2-Dichloroethane	U		0.000317	0.00119	1	03/17/2018 14:26	WG1085895
1,1-Dichloroethene	U		0.000362	0.00119	1	03/17/2018 14:26	WG1085895
cis-1,2-Dichloroethene	0.000795	J	0.000281	0.00119	1	03/17/2018 14:26	WG1085895
trans-1,2-Dichloroethene	U		0.000315	0.00119	1	03/17/2018 14:26	WG1085895
1,2-Dichloropropane	U		0.000428	0.00119	1	03/17/2018 14:26	WG1085895
1,1-Dichloropropene	U		0.000379	0.00119	1	03/17/2018 14:26	WG1085895
1,3-Dichloropropane	U		0.000247	0.00119	1	03/17/2018 14:26	WG1085895
cis-1,3-Dichloropropene	U		0.000313	0.00119	1	03/17/2018 14:26	WG1085895
trans-1,3-Dichloropropene	U		0.000319	0.00119	1	03/17/2018 14:26	WG1085895
trans-1,4-Dichloro-2-butene	U		0.000930	0.00299	1	03/17/2018 14:26	WG1085895
2,2-Dichloropropane	U		0.000333	0.00119	1	03/17/2018 14:26	WG1085895
Di-isopropyl ether	U		0.000296	0.00119	1	03/17/2018 14:26	WG1085895
Ethylbenzene	U		0.000355	0.00119	1	03/17/2018 14:26	WG1085895
Hexachloro-1,3-butadiene	U		0.000409	0.00119	1	03/17/2018 14:26	WG1085895
2-Hexanone	U		0.00164	0.0119	1	03/17/2018 14:26	WG1085895
n-Hexane	0.000408	J	0.000346	0.0119	1	03/17/2018 14:26	WG1085895
Iodomethane	U		0.00302	0.0119	1	03/17/2018 14:26	WG1085895
Isopropylbenzene	U		0.000290	0.00119	1	03/17/2018 14:26	WG1085895
p-Isopropyltoluene	U		0.000244	0.00119	1	03/17/2018 14:26	WG1085895
2-Butanone (MEK)	U		0.00559	0.0119	1	03/17/2018 14:26	WG1085895
Methylene Chloride	U		0.00119	0.00597	1	03/17/2018 14:26	WG1085895
4-Methyl-2-pentanone (MIBK)	U		0.00225	0.0119	1	03/17/2018 14:26	WG1085895

Volatile Organic Compounds (GC/MS) by Method 8260C

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg		date / time	
Methyl tert-butyl ether	U		0.000253	0.00119	1	03/17/2018 14:26	WG1085895
Naphthalene	U		0.00119	0.00597	1	03/17/2018 14:26	WG1085895
n-Propylbenzene	U		0.000246	0.00119	1	03/17/2018 14:26	WG1085895
Styrene	U		0.000280	0.00119	1	03/17/2018 14:26	WG1085895
1,1,1,2-Tetrachloroethane	U		0.000315	0.00119	1	03/17/2018 14:26	WG1085895
1,1,2,2-Tetrachloroethane	U		0.000436	0.00119	1	03/17/2018 14:26	WG1085895
1,1,2-Trichlorotrifluoroethane	U		0.000436	0.00119	1	03/17/2018 14:26	WG1085895
Tetrachloroethene	U		0.000330	0.00119	1	03/17/2018 14:26	WG1085895
Toluene	U		0.000519	0.00597	1	03/17/2018 14:26	WG1085895
1,2,3-Trichlorobenzene	U		0.000366	0.00119	1	03/17/2018 14:26	WG1085895
1,2,4-Trichlorobenzene	U		0.000464	0.00119	1	03/17/2018 14:26	WG1085895
1,1,1-Trichloroethane	U		0.000342	0.00119	1	03/17/2018 14:26	WG1085895
1,1,2-Trichloroethane	U		0.000331	0.00119	1	03/17/2018 14:26	WG1085895
Trichloroethene	U		0.000333	0.00119	1	03/17/2018 14:26	WG1085895
Trichlorofluoromethane	U		0.000456	0.00597	1	03/17/2018 14:26	WG1085895
1,2,3-Trichloropropane	U		0.000885	0.00299	1	03/17/2018 14:26	WG1085895
1,2,4-Trimethylbenzene	U		0.000252	0.00119	1	03/17/2018 14:26	WG1085895
1,2,3-Trimethylbenzene	U		0.000343	0.00119	1	03/17/2018 14:26	WG1085895
1,3,5-Trimethylbenzene	U		0.000318	0.00119	1	03/17/2018 14:26	WG1085895
Vinyl acetate	U		0.00286	0.0119	1	03/17/2018 14:26	WG1085895
Vinyl chloride	0.00186		0.000348	0.00119	1	03/17/2018 14:26	WG1085895
Xylenes, Total	U		0.000834	0.00358	1	03/17/2018 14:26	WG1085895
(S) Toluene-d8	*98.3*			*80.0-120*		*03/17/2018 14:26*	WG1085895
(S) Dibromofluoromethane	*107*			*74.0-131*		*03/17/2018 14:26*	WG1085895
(S) 4-Bromofluorobenzene	*90.7*			*64.0-132*		*03/17/2018 14:26*	WG1085895

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	89.5		1	03/20/2018 09:39	WG1086138

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0112	0.0559	1	03/17/2018 14:46	WG1085895
Acrylonitrile	U		0.00200	0.0112	1	03/17/2018 14:46	WG1085895
Benzene	U		0.000302	0.00112	1	03/17/2018 14:46	WG1085895
Bromobenzene	U		0.000317	0.00112	1	03/17/2018 14:46	WG1085895
Bromodichloromethane	U		0.000284	0.00112	1	03/17/2018 14:46	WG1085895
Bromochloromethane	U		0.000436	0.00559	1	03/17/2018 14:46	WG1085895
Bromoform	U		0.000474	0.00112	1	03/17/2018 14:46	WG1085895
Bromomethane	U		0.00150	0.00559	1	03/17/2018 14:46	WG1085895
n-Butylbenzene	U		0.000288	0.00112	1	03/17/2018 14:46	WG1085895
sec-Butylbenzene	U		0.000225	0.00112	1	03/17/2018 14:46	WG1085895
tert-Butylbenzene	U		0.000230	0.00112	1	03/17/2018 14:46	WG1085895
Carbon disulfide	U		0.000247	0.00112	1	03/17/2018 14:46	WG1085895
Carbon tetrachloride	U		0.000366	0.00112	1	03/17/2018 14:46	WG1085895
Chlorobenzene	U		0.000237	0.00112	1	03/17/2018 14:46	WG1085895
Chlorodibromomethane	U		0.000417	0.00112	1	03/17/2018 14:46	WG1085895
Chloroethane	U		0.00106	0.00559	1	03/17/2018 14:46	WG1085895
Chloroform	U		0.000256	0.00559	1	03/17/2018 14:46	WG1085895
Chloromethane	U		0.000419	0.00279	1	03/17/2018 14:46	WG1085895
2-Chlorotoluene	U		0.000336	0.00112	1	03/17/2018 14:46	WG1085895
4-Chlorotoluene	U		0.000268	0.00112	1	03/17/2018 14:46	WG1085895
1,2-Dibromo-3-Chloropropane	U		0.00117	0.00559	1	03/17/2018 14:46	WG1085895
1,2-Dibromoethane	U		0.000383	0.00112	1	03/17/2018 14:46	WG1085895
Dibromomethane	U		0.000427	0.00112	1	03/17/2018 14:46	WG1085895
1,2-Dichlorobenzene	U		0.000341	0.00112	1	03/17/2018 14:46	WG1085895
1,3-Dichlorobenzene	U		0.000267	0.00112	1	03/17/2018 14:46	WG1085895
1,4-Dichlorobenzene	U		0.000252	0.00112	1	03/17/2018 14:46	WG1085895
Dichlorodifluoromethane	U		0.000796	0.00559	1	03/17/2018 14:46	WG1085895
1,1-Dichloroethane	U		0.000222	0.00112	1	03/17/2018 14:46	WG1085895
1,2-Dichloroethane	U		0.000296	0.00112	1	03/17/2018 14:46	WG1085895
1,1-Dichloroethene	0.000722	J	0.000338	0.00112	1	03/17/2018 14:46	WG1085895
cis-1,2-Dichloroethene	0.304		0.0263	0.112	100	03/21/2018 14:33	WG1085895
trans-1,2-Dichloroethene	0.00130		0.000295	0.00112	1	03/17/2018 14:46	WG1085895
1,2-Dichloropropane	U		0.000400	0.00112	1	03/17/2018 14:46	WG1085895
1,1-Dichloropropene	U		0.000354	0.00112	1	03/17/2018 14:46	WG1085895
1,3-Dichloropropane	U		0.000231	0.00112	1	03/17/2018 14:46	WG1085895
cis-1,3-Dichloropropene	U		0.000293	0.00112	1	03/17/2018 14:46	WG1085895
trans-1,3-Dichloropropene	U		0.000298	0.00112	1	03/17/2018 14:46	WG1085895
trans-1,4-Dichloro-2-butene	U		0.000869	0.00279	1	03/17/2018 14:46	WG1085895
2,2-Dichloropropane	U		0.000312	0.00112	1	03/17/2018 14:46	WG1085895
Di-isopropyl ether	U		0.000277	0.00112	1	03/17/2018 14:46	WG1085895
Ethylbenzene	U		0.000332	0.00112	1	03/17/2018 14:46	WG1085895
Hexachloro-1,3-butadiene	U		0.000382	0.00112	1	03/17/2018 14:46	WG1085895
2-Hexanone	U		0.00153	0.0112	1	03/17/2018 14:46	WG1085895
n-Hexane	U		0.000324	0.0112	1	03/17/2018 14:46	WG1085895
Iodomethane	U		0.00283	0.0112	1	03/17/2018 14:46	WG1085895
Isopropylbenzene	U		0.000271	0.00112	1	03/17/2018 14:46	WG1085895
p-Isopropyltoluene	U		0.000228	0.00112	1	03/17/2018 14:46	WG1085895
2-Butanone (MEK)	U		0.00523	0.0112	1	03/17/2018 14:46	WG1085895
Methylene Chloride	U		0.00112	0.00559	1	03/17/2018 14:46	WG1085895
4-Methyl-2-pentanone (MIBK)	U		0.00210	0.0112	1	03/17/2018 14:46	WG1085895

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000237	0.00112	1	03/17/2018 14:46	WG1085895
Naphthalene	U		0.00112	0.00559	1	03/17/2018 14:46	WG1085895
n-Propylbenzene	U		0.000230	0.00112	1	03/17/2018 14:46	WG1085895
Styrene	U		0.000261	0.00112	1	03/17/2018 14:46	WG1085895
1,1,1,2-Tetrachloroethane	U		0.000295	0.00112	1	03/17/2018 14:46	WG1085895
1,1,2,2-Tetrachloroethane	U		0.000408	0.00112	1	03/17/2018 14:46	WG1085895
1,1,2-Trichlorotrifluoroethane	U		0.000408	0.00112	1	03/17/2018 14:46	WG1085895
Tetrachloroethene	6.20		0.0308	0.112	100	03/21/2018 14:33	WG1085895
Toluene	U		0.000485	0.00559	1	03/17/2018 14:46	WG1085895
1,2,3-Trichlorobenzene	U		0.000342	0.00112	1	03/17/2018 14:46	WG1085895
1,2,4-Trichlorobenzene	U		0.000433	0.00112	1	03/17/2018 14:46	WG1085895
1,1,1-Trichloroethane	U		0.000319	0.00112	1	03/17/2018 14:46	WG1085895
1,1,2-Trichloroethane	U		0.000309	0.00112	1	03/17/2018 14:46	WG1085895
Trichloroethene	0.388		0.0312	0.112	100	03/21/2018 14:33	WG1085895
Trichlorofluoromethane	U		0.000427	0.00559	1	03/17/2018 14:46	WG1085895
1,2,3-Trichloropropane	U		0.000828	0.00279	1	03/17/2018 14:46	WG1085895
1,2,4-Trimethylbenzene	U		0.000236	0.00112	1	03/17/2018 14:46	WG1085895
1,2,3-Trimethylbenzene	U		0.000321	0.00112	1	03/17/2018 14:46	WG1085895
1,3,5-Trimethylbenzene	U		0.000297	0.00112	1	03/17/2018 14:46	WG1085895
Vinyl acetate	U		0.00267	0.0112	1	03/17/2018 14:46	WG1085895
Vinyl chloride	0.00850		0.000325	0.00112	1	03/17/2018 14:46	WG1085895
Xylenes, Total	U		0.000780	0.00335	1	03/17/2018 14:46	WG1085895
(S) Toluene-d8	*115*			*80.0-120*		*03/21/2018 14:33*	WG1085895
(S) Toluene-d8	*97.2*			*80.0-120*		*03/17/2018 14:46*	WG1085895
(S) Dibromofluoromethane	*98.4*			*74.0-131*		*03/21/2018 14:33*	WG1085895
(S) Dibromofluoromethane	*104*			*74.0-131*		*03/17/2018 14:46*	WG1085895
(S) 4-Bromofluorobenzene	*95.4*			*64.0-132*		*03/21/2018 14:33*	WG1085895
(S) 4-Bromofluorobenzene	*90.8*			*64.0-132*		*03/17/2018 14:46*	WG1085895

Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch
Analyte	%			date / time	
Total Solids	79.4		1	03/20/2018 09:39	WG1086138

Volatile Organic Compounds (GC/MS) by Method 8260C

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0126	0.0630	1	03/17/2018 15:06	WG1085895
Acrylonitrile	U		0.00225	0.0126	1	03/17/2018 15:06	WG1085895
Benzene	U		0.000340	0.00126	1	03/17/2018 15:06	WG1085895
Bromobenzene	U		0.000358	0.00126	1	03/17/2018 15:06	WG1085895
Bromodichloromethane	U		0.000320	0.00126	1	03/17/2018 15:06	WG1085895
Bromochloromethane	U		0.000491	0.00630	1	03/17/2018 15:06	WG1085895
Bromoform	U		0.000534	0.00126	1	03/17/2018 15:06	WG1085895
Bromomethane	U		0.00169	0.00630	1	03/17/2018 15:06	WG1085895
n-Butylbenzene	U		0.000325	0.00126	1	03/17/2018 15:06	WG1085895
sec-Butylbenzene	U		0.000253	0.00126	1	03/17/2018 15:06	WG1085895
tert-Butylbenzene	U		0.000259	0.00126	1	03/17/2018 15:06	WG1085895
Carbon disulfide	0.000409	J	0.000278	0.00126	1	03/17/2018 15:06	WG1085895
Carbon tetrachloride	U		0.000413	0.00126	1	03/17/2018 15:06	WG1085895
Chlorobenzene	U		0.000267	0.00126	1	03/17/2018 15:06	WG1085895
Chlorodibromomethane	U		0.000470	0.00126	1	03/17/2018 15:06	WG1085895
Chloroethane	U		0.00119	0.00630	1	03/17/2018 15:06	WG1085895
Chloroform	U		0.000288	0.00630	1	03/17/2018 15:06	WG1085895
Chloromethane	U		0.000472	0.00315	1	03/17/2018 15:06	WG1085895
2-Chlorotoluene	U		0.000379	0.00126	1	03/17/2018 15:06	WG1085895
4-Chlorotoluene	U		0.000302	0.00126	1	03/17/2018 15:06	WG1085895
1,2-Dibromo-3-Chloropropane	U		0.00132	0.00630	1	03/17/2018 15:06	WG1085895
1,2-Dibromoethane	U		0.000432	0.00126	1	03/17/2018 15:06	WG1085895
Dibromomethane	U		0.000481	0.00126	1	03/17/2018 15:06	WG1085895
1,2-Dichlorobenzene	U		0.000384	0.00126	1	03/17/2018 15:06	WG1085895
1,3-Dichlorobenzene	U		0.000301	0.00126	1	03/17/2018 15:06	WG1085895
1,4-Dichlorobenzene	U		0.000285	0.00126	1	03/17/2018 15:06	WG1085895
Dichlorodifluoromethane	U		0.000898	0.00630	1	03/17/2018 15:06	WG1085895
1,1-Dichloroethane	U		0.000251	0.00126	1	03/17/2018 15:06	WG1085895
1,2-Dichloroethane	U		0.000334	0.00126	1	03/17/2018 15:06	WG1085895
1,1-Dichloroethene	U		0.000382	0.00126	1	03/17/2018 15:06	WG1085895
cis-1,2-Dichloroethene	0.0708		0.000296	0.00126	1	03/17/2018 15:06	WG1085895
trans-1,2-Dichloroethene	0.000522	J	0.000333	0.00126	1	03/17/2018 15:06	WG1085895
1,2-Dichloropropane	U		0.000451	0.00126	1	03/17/2018 15:06	WG1085895
1,1-Dichloropropene	U		0.000399	0.00126	1	03/17/2018 15:06	WG1085895
1,3-Dichloropropane	U		0.000261	0.00126	1	03/17/2018 15:06	WG1085895
cis-1,3-Dichloropropene	U		0.000330	0.00126	1	03/17/2018 15:06	WG1085895
trans-1,3-Dichloropropene	U		0.000336	0.00126	1	03/17/2018 15:06	WG1085895
trans-1,4-Dichloro-2-butene	U		0.000980	0.00315	1	03/17/2018 15:06	WG1085895
2,2-Dichloropropane	U		0.000351	0.00126	1	03/17/2018 15:06	WG1085895
Di-isopropyl ether	U		0.000312	0.00126	1	03/17/2018 15:06	WG1085895
Ethylbenzene	U		0.000374	0.00126	1	03/17/2018 15:06	WG1085895
Hexachloro-1,3-butadiene	U		0.000431	0.00126	1	03/17/2018 15:06	WG1085895
2-Hexanone	U		0.00173	0.0126	1	03/17/2018 15:06	WG1085895
n-Hexane	0.000769	J	0.000365	0.0126	1	03/17/2018 15:06	WG1085895
Iodomethane	U		0.00319	0.0126	1	03/17/2018 15:06	WG1085895
Isopropylbenzene	U		0.000306	0.00126	1	03/17/2018 15:06	WG1085895
p-Isopropyltoluene	U		0.000257	0.00126	1	03/17/2018 15:06	WG1085895
2-Butanone (MEK)	U		0.00590	0.0126	1	03/17/2018 15:06	WG1085895
Methylene Chloride	U		0.00126	0.00630	1	03/17/2018 15:06	WG1085895
4-Methyl-2-pentanone (MIBK)	U		0.00237	0.0126	1	03/17/2018 15:06	WG1085895

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000267	0.00126	1	03/17/2018 15:06	WG1085895
Naphthalene	U		0.00126	0.00630	1	03/17/2018 15:06	WG1085895
n-Propylbenzene	U		0.000259	0.00126	1	03/17/2018 15:06	WG1085895
Styrene	U		0.000295	0.00126	1	03/17/2018 15:06	WG1085895
1,1,1,2-Tetrachloroethane	U		0.000333	0.00126	1	03/17/2018 15:06	WG1085895
1,1,2,2-Tetrachloroethane	U		0.000460	0.00126	1	03/17/2018 15:06	WG1085895
1,1,2-Trichlorotrifluoroethane	U		0.000460	0.00126	1	03/17/2018 15:06	WG1085895
Tetrachloroethene	0.947		0.0174	0.0630	50	03/21/2018 14:54	WG1085895
Toluene	U		0.000547	0.00630	1	03/17/2018 15:06	WG1085895
1,2,3-Trichlorobenzene	U		0.000385	0.00126	1	03/17/2018 15:06	WG1085895
1,2,4-Trichlorobenzene	U		0.000489	0.00126	1	03/17/2018 15:06	WG1085895
1,1,1-Trichloroethane	U		0.000360	0.00126	1	03/17/2018 15:06	WG1085895
1,1,2-Trichloroethane	U		0.000349	0.00126	1	03/17/2018 15:06	WG1085895
Trichloroethene	0.0403		0.000351	0.00126	1	03/17/2018 15:06	WG1085895
Trichlorofluoromethane	U		0.000481	0.00630	1	03/17/2018 15:06	WG1085895
1,2,3-Trichloropropane	U		0.000933	0.00315	1	03/17/2018 15:06	WG1085895
1,2,4-Trimethylbenzene	U		0.000266	0.00126	1	03/17/2018 15:06	WG1085895
1,2,3-Trimethylbenzene	U		0.000362	0.00126	1	03/17/2018 15:06	WG1085895
1,3,5-Trimethylbenzene	U		0.000335	0.00126	1	03/17/2018 15:06	WG1085895
Vinyl acetate	U		0.00301	0.0126	1	03/17/2018 15:06	WG1085895
Vinyl chloride	0.00140		0.000367	0.00126	1	03/17/2018 15:06	WG1085895
Xylenes, Total	U		0.000879	0.00378	1	03/17/2018 15:06	WG1085895
(S) Toluene-d8	*97.9*			*80.0-120*		*03/17/2018 15:06*	WG1085895
(S) Toluene-d8	*115*			*80.0-120*		*03/21/2018 14:54*	WG1085895
(S) Dibromofluoromethane	*97.4*			*74.0-131*		*03/21/2018 14:54*	WG1085895
(S) Dibromofluoromethane	*102*			*74.0-131*		*03/17/2018 15:06*	WG1085895
(S) 4-Bromofluorobenzene	*90.9*			*64.0-132*		*03/17/2018 15:06*	WG1085895
(S) 4-Bromofluorobenzene	*96.0*			*64.0-132*		*03/21/2018 14:54*	WG1085895

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	92.2		1	03/20/2018 09:39	WG1086138

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0108	0.0542	1	03/17/2018 15:25	WG1085895
Acrylonitrile	U		0.00194	0.0108	1	03/17/2018 15:25	WG1085895
Benzene	U		0.000293	0.00108	1	03/17/2018 15:25	WG1085895
Bromobenzene	U		0.000308	0.00108	1	03/17/2018 15:25	WG1085895
Bromodichloromethane	U		0.000275	0.00108	1	03/17/2018 15:25	WG1085895
Bromochloromethane	U		0.000423	0.00542	1	03/17/2018 15:25	WG1085895
Bromoform	U		0.000460	0.00108	1	03/17/2018 15:25	WG1085895
Bromomethane	U		0.00145	0.00542	1	03/17/2018 15:25	WG1085895
n-Butylbenzene	U		0.000280	0.00108	1	03/17/2018 15:25	WG1085895
sec-Butylbenzene	U		0.000218	0.00108	1	03/17/2018 15:25	WG1085895
tert-Butylbenzene	U		0.000223	0.00108	1	03/17/2018 15:25	WG1085895
Carbon disulfide	0.000649	J	0.000240	0.00108	1	03/17/2018 15:25	WG1085895
Carbon tetrachloride	U		0.000356	0.00108	1	03/17/2018 15:25	WG1085895
Chlorobenzene	U		0.000230	0.00108	1	03/17/2018 15:25	WG1085895
Chlorodibromomethane	U		0.000405	0.00108	1	03/17/2018 15:25	WG1085895
Chloroethane	U		0.00103	0.00542	1	03/17/2018 15:25	WG1085895
Chloroform	U		0.000248	0.00542	1	03/17/2018 15:25	WG1085895
Chloromethane	U		0.000407	0.00271	1	03/17/2018 15:25	WG1085895
2-Chlorotoluene	U		0.000326	0.00108	1	03/17/2018 15:25	WG1085895
4-Chlorotoluene	U		0.000260	0.00108	1	03/17/2018 15:25	WG1085895
1,2-Dibromo-3-Chloropropane	U		0.00114	0.00542	1	03/17/2018 15:25	WG1085895
1,2-Dibromoethane	U		0.000372	0.00108	1	03/17/2018 15:25	WG1085895
Dibromomethane	U		0.000414	0.00108	1	03/17/2018 15:25	WG1085895
1,2-Dichlorobenzene	U		0.000331	0.00108	1	03/17/2018 15:25	WG1085895
1,3-Dichlorobenzene	U		0.000259	0.00108	1	03/17/2018 15:25	WG1085895
1,4-Dichlorobenzene	U		0.000245	0.00108	1	03/17/2018 15:25	WG1085895
Dichlorodifluoromethane	U		0.000773	0.00542	1	03/17/2018 15:25	WG1085895
1,1-Dichloroethane	U		0.000216	0.00108	1	03/17/2018 15:25	WG1085895
1,2-Dichloroethane	U		0.000287	0.00108	1	03/17/2018 15:25	WG1085895
1,1-Dichloroethene	0.00255		0.000329	0.00108	1	03/17/2018 15:25	WG1085895
cis-1,2-Dichloroethene	1.02		0.0510	0.217	200	03/21/2018 15:15	WG1085895
trans-1,2-Dichloroethene	0.00232		0.000286	0.00108	1	03/17/2018 15:25	WG1085895
1,2-Dichloropropane	U		0.000388	0.00108	1	03/17/2018 15:25	WG1085895
1,1-Dichloropropene	U		0.000344	0.00108	1	03/17/2018 15:25	WG1085895
1,3-Dichloropropane	U		0.000224	0.00108	1	03/17/2018 15:25	WG1085895
cis-1,3-Dichloropropene	U		0.000284	0.00108	1	03/17/2018 15:25	WG1085895
trans-1,3-Dichloropropene	U		0.000290	0.00108	1	03/17/2018 15:25	WG1085895
trans-1,4-Dichloro-2-butene	U		0.000844	0.00271	1	03/17/2018 15:25	WG1085895
2,2-Dichloropropane	U		0.000303	0.00108	1	03/17/2018 15:25	WG1085895
Di-isopropyl ether	U		0.000269	0.00108	1	03/17/2018 15:25	WG1085895
Ethylbenzene	U		0.000322	0.00108	1	03/17/2018 15:25	WG1085895
Hexachloro-1,3-butadiene	U		0.000371	0.00108	1	03/17/2018 15:25	WG1085895
2-Hexanone	U		0.00149	0.0108	1	03/17/2018 15:25	WG1085895
n-Hexane	0.000782	J	0.000315	0.0108	1	03/17/2018 15:25	WG1085895
Iodomethane	U		0.00274	0.0108	1	03/17/2018 15:25	WG1085895
Isopropylbenzene	U		0.000264	0.00108	1	03/17/2018 15:25	WG1085895
p-Isopropyltoluene	U		0.000221	0.00108	1	03/17/2018 15:25	WG1085895
2-Butanone (MEK)	U		0.00508	0.0108	1	03/17/2018 15:25	WG1085895
Methylene Chloride	U		0.00108	0.00542	1	03/17/2018 15:25	WG1085895
4-Methyl-2-pentanone (MIBK)	U		0.00204	0.0108	1	03/17/2018 15:25	WG1085895

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000230	0.00108	1	03/17/2018 15:25	WG1085895
Naphthalene	U		0.00108	0.00542	1	03/17/2018 15:25	WG1085895
n-Propylbenzene	U		0.000223	0.00108	1	03/17/2018 15:25	WG1085895
Styrene	U		0.000254	0.00108	1	03/17/2018 15:25	WG1085895
1,1,1,2-Tetrachloroethane	U		0.000286	0.00108	1	03/17/2018 15:25	WG1085895
1,1,2,2-Tetrachloroethane	U		0.000396	0.00108	1	03/17/2018 15:25	WG1085895
1,1,2-Trichlorotrifluoroethane	U		0.000396	0.00108	1	03/17/2018 15:25	WG1085895
Tetrachloroethene	8.84		0.0599	0.217	200	03/21/2018 15:15	WG1085895
Toluene	U		0.000471	0.00542	1	03/17/2018 15:25	WG1085895
1,2,3-Trichlorobenzene	U		0.000332	0.00108	1	03/17/2018 15:25	WG1085895
1,2,4-Trichlorobenzene	U		0.000421	0.00108	1	03/17/2018 15:25	WG1085895
1,1,1-Trichloroethane	U		0.000310	0.00108	1	03/17/2018 15:25	WG1085895
1,1,2-Trichloroethane	U		0.000300	0.00108	1	03/17/2018 15:25	WG1085895
Trichloroethene	0.611		0.0605	0.217	200	03/21/2018 15:15	WG1085895
Trichlorofluoromethane	U		0.000414	0.00542	1	03/17/2018 15:25	WG1085895
1,2,3-Trichloropropane	U		0.000804	0.00271	1	03/17/2018 15:25	WG1085895
1,2,4-Trimethylbenzene	U		0.000229	0.00108	1	03/17/2018 15:25	WG1085895
1,2,3-Trimethylbenzene	U		0.000311	0.00108	1	03/17/2018 15:25	WG1085895
1,3,5-Trimethylbenzene	U		0.000288	0.00108	1	03/17/2018 15:25	WG1085895
Vinyl acetate	U		0.00259	0.0108	1	03/17/2018 15:25	WG1085895
Vinyl chloride	0.0551		0.000316	0.00108	1	03/17/2018 15:25	WG1085895
Xylenes, Total	U		0.000757	0.00325	1	03/17/2018 15:25	WG1085895
(S) Toluene-d8	*113*			*80.0-120*		*03/21/2018 15:15*	WG1085895
(S) Toluene-d8	*97.3*			*80.0-120*		*03/17/2018 15:25*	WG1085895
(S) Dibromofluoromethane	*99.6*			*74.0-131*		*03/21/2018 15:15*	WG1085895
(S) Dibromofluoromethane	*109*			*74.0-131*		*03/17/2018 15:25*	WG1085895
(S) 4-Bromofluorobenzene	*95.3*			*64.0-132*		*03/21/2018 15:15*	WG1085895
(S) 4-Bromofluorobenzene	*95.1*			*64.0-132*		*03/17/2018 15:25*	WG1085895

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	85.9		1	03/20/2018 09:39	WG1086138

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0116	0.0582	1	03/17/2018 15:45	WG1085895
Acrylonitrile	U		0.00208	0.0116	1	03/17/2018 15:45	WG1085895
Benzene	U		0.000314	0.00116	1	03/17/2018 15:45	WG1085895
Bromobenzene	U		0.000331	0.00116	1	03/17/2018 15:45	WG1085895
Bromodichloromethane	U		0.000296	0.00116	1	03/17/2018 15:45	WG1085895
Bromochloromethane	U		0.000454	0.00582	1	03/17/2018 15:45	WG1085895
Bromoform	U		0.000494	0.00116	1	03/17/2018 15:45	WG1085895
Bromomethane	U		0.00156	0.00582	1	03/17/2018 15:45	WG1085895
n-Butylbenzene	U		0.000301	0.00116	1	03/17/2018 15:45	WG1085895
sec-Butylbenzene	U		0.000234	0.00116	1	03/17/2018 15:45	WG1085895
tert-Butylbenzene	U		0.000240	0.00116	1	03/17/2018 15:45	WG1085895
Carbon disulfide	0.000584	J	0.000257	0.00116	1	03/17/2018 15:45	WG1085895
Carbon tetrachloride	U		0.000382	0.00116	1	03/17/2018 15:45	WG1085895
Chlorobenzene	U		0.000247	0.00116	1	03/17/2018 15:45	WG1085895
Chlorodibromomethane	U		0.000434	0.00116	1	03/17/2018 15:45	WG1085895
Chloroethane	U		0.00110	0.00582	1	03/17/2018 15:45	WG1085895
Chloroform	U		0.000267	0.00582	1	03/17/2018 15:45	WG1085895
Chloromethane	U		0.000437	0.00291	1	03/17/2018 15:45	WG1085895
2-Chlorotoluene	U		0.000351	0.00116	1	03/17/2018 15:45	WG1085895
4-Chlorotoluene	U		0.000280	0.00116	1	03/17/2018 15:45	WG1085895
1,2-Dibromo-3-Chloropropane	U		0.00122	0.00582	1	03/17/2018 15:45	WG1085895
1,2-Dibromoethane	U		0.000400	0.00116	1	03/17/2018 15:45	WG1085895
Dibromomethane	U		0.000445	0.00116	1	03/17/2018 15:45	WG1085895
1,2-Dichlorobenzene	U		0.000355	0.00116	1	03/17/2018 15:45	WG1085895
1,3-Dichlorobenzene	U		0.000278	0.00116	1	03/17/2018 15:45	WG1085895
1,4-Dichlorobenzene	U		0.000263	0.00116	1	03/17/2018 15:45	WG1085895
Dichlorodifluoromethane	U		0.000830	0.00582	1	03/17/2018 15:45	WG1085895
1,1-Dichloroethane	U		0.000232	0.00116	1	03/17/2018 15:45	WG1085895
1,2-Dichloroethane	U		0.000309	0.00116	1	03/17/2018 15:45	WG1085895
1,1-Dichloroethene	U		0.000353	0.00116	1	03/17/2018 15:45	WG1085895
cis-1,2-Dichloroethene	0.0123		0.000274	0.00116	1	03/21/2018 13:30	WG1085895
trans-1,2-Dichloroethene	U		0.000308	0.00116	1	03/17/2018 15:45	WG1085895
1,2-Dichloropropane	U		0.000417	0.00116	1	03/17/2018 15:45	WG1085895
1,1-Dichloropropene	U		0.000369	0.00116	1	03/17/2018 15:45	WG1085895
1,3-Dichloropropane	U		0.000241	0.00116	1	03/17/2018 15:45	WG1085895
cis-1,3-Dichloropropene	U		0.000305	0.00116	1	03/17/2018 15:45	WG1085895
trans-1,3-Dichloropropene	U		0.000311	0.00116	1	03/17/2018 15:45	WG1085895
trans-1,4-Dichloro-2-butene	U		0.000906	0.00291	1	03/17/2018 15:45	WG1085895
2,2-Dichloropropane	U		0.000325	0.00116	1	03/17/2018 15:45	WG1085895
Di-isopropyl ether	U		0.000289	0.00116	1	03/17/2018 15:45	WG1085895
Ethylbenzene	U		0.000346	0.00116	1	03/17/2018 15:45	WG1085895
Hexachloro-1,3-butadiene	U		0.000398	0.00116	1	03/17/2018 15:45	WG1085895
2-Hexanone	U		0.00160	0.0116	1	03/17/2018 15:45	WG1085895
n-Hexane	0.00569	J	0.000338	0.0116	1	03/17/2018 15:45	WG1085895
Iodomethane	U		0.00295	0.0116	1	03/17/2018 15:45	WG1085895
Isopropylbenzene	U		0.000283	0.00116	1	03/17/2018 15:45	WG1085895
p-Isopropyltoluene	U		0.000238	0.00116	1	03/17/2018 15:45	WG1085895
2-Butanone (MEK)	U		0.00545	0.0116	1	03/17/2018 15:45	WG1085895
Methylene Chloride	U		0.00116	0.00582	1	03/17/2018 15:45	WG1085895
4-Methyl-2-pentanone (MIBK)	U		0.00219	0.0116	1	03/17/2018 15:45	WG1085895

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000247	0.00116	1	03/17/2018 15:45	WG1085895
Naphthalene	U		0.00116	0.00582	1	03/17/2018 15:45	WG1085895
n-Propylbenzene	U		0.000240	0.00116	1	03/17/2018 15:45	WG1085895
Styrene	U		0.000273	0.00116	1	03/17/2018 15:45	WG1085895
1,1,1,2-Tetrachloroethane	U		0.000308	0.00116	1	03/17/2018 15:45	WG1085895
1,1,2,2-Tetrachloroethane	U		0.000425	0.00116	1	03/17/2018 15:45	WG1085895
1,1,2-Trichlorotrifluoroethane	U		0.000425	0.00116	1	03/17/2018 15:45	WG1085895
Tetrachloroethene	0.0381		0.000321	0.00116	1	03/21/2018 13:30	WG1085895
Toluene	U		0.000506	0.00582	1	03/17/2018 15:45	WG1085895
1,2,3-Trichlorobenzene	U		0.000356	0.00116	1	03/17/2018 15:45	WG1085895
1,2,4-Trichlorobenzene	U		0.000452	0.00116	1	03/17/2018 15:45	WG1085895
1,1,1-Trichloroethane	U		0.000333	0.00116	1	03/17/2018 15:45	WG1085895
1,1,2-Trichloroethane	U		0.000323	0.00116	1	03/17/2018 15:45	WG1085895
Trichloroethene	0.00499		0.000325	0.00116	1	03/21/2018 13:30	WG1085895
Trichlorofluoromethane	U		0.000445	0.00582	1	03/17/2018 15:45	WG1085895
1,2,3-Trichloropropane	U		0.000863	0.00291	1	03/17/2018 15:45	WG1085895
1,2,4-Trimethylbenzene	U		0.000246	0.00116	1	03/17/2018 15:45	WG1085895
1,2,3-Trimethylbenzene	U		0.000334	0.00116	1	03/17/2018 15:45	WG1085895
1,3,5-Trimethylbenzene	U		0.000310	0.00116	1	03/17/2018 15:45	WG1085895
Vinyl acetate	U		0.00278	0.0116	1	03/17/2018 15:45	WG1085895
Vinyl chloride	0.00598		0.000339	0.00116	1	03/17/2018 15:45	WG1085895
Xylenes, Total	U		0.000813	0.00349	1	03/17/2018 15:45	WG1085895
(S) Toluene-d8	*99.2*			*80.0-120*		*03/17/2018 15:45*	WG1085895
(S) Toluene-d8	*104*			*80.0-120*		*03/21/2018 13:30*	WG1085895
(S) Dibromofluoromethane	*109*			*74.0-131*		*03/21/2018 13:30*	WG1085895
(S) Dibromofluoromethane	*107*			*74.0-131*		*03/17/2018 15:45*	WG1085895
(S) 4-Bromofluorobenzene	*91.9*			*64.0-132*		*03/17/2018 15:45*	WG1085895
(S) 4-Bromofluorobenzene	*95.6*			*64.0-132*		*03/21/2018 13:30*	WG1085895

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	91.4		1	03/20/2018 09:39	WG1086138

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0109	0.0547	1	03/17/2018 16:04	WG1085895
Acrylonitrile	U		0.00196	0.0109	1	03/17/2018 16:04	WG1085895
Benzene	0.000814	J	0.000295	0.00109	1	03/17/2018 16:04	WG1085895
Bromobenzene	U		0.000311	0.00109	1	03/17/2018 16:04	WG1085895
Bromodichloromethane	U		0.000278	0.00109	1	03/17/2018 16:04	WG1085895
Bromochloromethane	U		0.000427	0.00547	1	03/17/2018 16:04	WG1085895
Bromoform	U		0.000464	0.00109	1	03/17/2018 16:04	WG1085895
Bromomethane	U		0.00147	0.00547	1	03/17/2018 16:04	WG1085895
n-Butylbenzene	U		0.000282	0.00109	1	03/17/2018 16:04	WG1085895
sec-Butylbenzene	U		0.000220	0.00109	1	03/17/2018 16:04	WG1085895
tert-Butylbenzene	U		0.000225	0.00109	1	03/17/2018 16:04	WG1085895
Carbon disulfide	0.000627	J	0.000242	0.00109	1	03/17/2018 16:04	WG1085895
Carbon tetrachloride	U		0.000359	0.00109	1	03/17/2018 16:04	WG1085895
Chlorobenzene	U		0.000232	0.00109	1	03/17/2018 16:04	WG1085895
Chlorodibromomethane	U		0.000408	0.00109	1	03/17/2018 16:04	WG1085895
Chloroethane	U		0.00103	0.00547	1	03/17/2018 16:04	WG1085895
Chloroform	U		0.000250	0.00547	1	03/17/2018 16:04	WG1085895
Chloromethane	U		0.000410	0.00273	1	03/17/2018 16:04	WG1085895
2-Chlorotoluene	U		0.000329	0.00109	1	03/17/2018 16:04	WG1085895
4-Chlorotoluene	U		0.000262	0.00109	1	03/17/2018 16:04	WG1085895
1,2-Dibromo-3-Chloropropane	U		0.00115	0.00547	1	03/17/2018 16:04	WG1085895
1,2-Dibromoethane	U		0.000375	0.00109	1	03/17/2018 16:04	WG1085895
Dibromomethane	U		0.000418	0.00109	1	03/17/2018 16:04	WG1085895
1,2-Dichlorobenzene	U		0.000334	0.00109	1	03/17/2018 16:04	WG1085895
1,3-Dichlorobenzene	U		0.000261	0.00109	1	03/17/2018 16:04	WG1085895
1,4-Dichlorobenzene	U		0.000247	0.00109	1	03/17/2018 16:04	WG1085895
Dichlorodifluoromethane	U		0.000780	0.00547	1	03/17/2018 16:04	WG1085895
1,1-Dichloroethane	U		0.000218	0.00109	1	03/17/2018 16:04	WG1085895
1,2-Dichloroethane	U		0.000290	0.00109	1	03/17/2018 16:04	WG1085895
1,1-Dichloroethene	U		0.000331	0.00109	1	03/17/2018 16:04	WG1085895
cis-1,2-Dichloroethene	0.00376		0.000257	0.00109	1	03/21/2018 13:52	WG1085895
trans-1,2-Dichloroethene	U		0.000289	0.00109	1	03/17/2018 16:04	WG1085895
1,2-Dichloropropane	U		0.000392	0.00109	1	03/17/2018 16:04	WG1085895
1,1-Dichloropropene	U		0.000347	0.00109	1	03/17/2018 16:04	WG1085895
1,3-Dichloropropane	U		0.000226	0.00109	1	03/17/2018 16:04	WG1085895
cis-1,3-Dichloropropene	U		0.000287	0.00109	1	03/17/2018 16:04	WG1085895
trans-1,3-Dichloropropene	U		0.000292	0.00109	1	03/17/2018 16:04	WG1085895
trans-1,4-Dichloro-2-butene	U		0.000851	0.00273	1	03/17/2018 16:04	WG1085895
2,2-Dichloropropane	U		0.000305	0.00109	1	03/17/2018 16:04	WG1085895
Di-isopropyl ether	U		0.000271	0.00109	1	03/17/2018 16:04	WG1085895
Ethylbenzene	U		0.000325	0.00109	1	03/17/2018 16:04	WG1085895
Hexachloro-1,3-butadiene	U		0.000374	0.00109	1	03/17/2018 16:04	WG1085895
2-Hexanone	U		0.00150	0.0109	1	03/17/2018 16:04	WG1085895
n-Hexane	U		0.000317	0.0109	1	03/17/2018 16:04	WG1085895
Iodomethane	U		0.00277	0.0109	1	03/17/2018 16:04	WG1085895
Isopropylbenzene	U		0.000266	0.00109	1	03/17/2018 16:04	WG1085895
p-Isopropyltoluene	U		0.000223	0.00109	1	03/17/2018 16:04	WG1085895
2-Butanone (MEK)	U		0.00512	0.0109	1	03/17/2018 16:04	WG1085895
Methylene Chloride	U		0.00109	0.00547	1	03/17/2018 16:04	WG1085895
4-Methyl-2-pentanone (MIBK)	U		0.00206	0.0109	1	03/17/2018 16:04	WG1085895

IW-2C-65

Collected date/time: 03/07/18 11:20

SAMPLE RESULTS - 07

L977245

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000232	0.00109	1	03/17/2018 16:04	WG1085895
Naphthalene	U		0.00109	0.00547	1	03/17/2018 16:04	WG1085895
n-Propylbenzene	U		0.000225	0.00109	1	03/17/2018 16:04	WG1085895
Styrene	U		0.000256	0.00109	1	03/17/2018 16:04	WG1085895
1,1,1,2-Tetrachloroethane	U		0.000289	0.00109	1	03/17/2018 16:04	WG1085895
1,1,2,2-Tetrachloroethane	U		0.000399	0.00109	1	03/17/2018 16:04	WG1085895
1,1,2-Trichlorotrifluoroethane	U		0.000399	0.00109	1	03/17/2018 16:04	WG1085895
Tetrachloroethene	0.00836		0.000302	0.00109	1	03/21/2018 13:52	WG1085895
Toluene	0.000725	J	0.000475	0.00547	1	03/17/2018 16:04	WG1085895
1,2,3-Trichlorobenzene	U		0.000335	0.00109	1	03/17/2018 16:04	WG1085895
1,2,4-Trichlorobenzene	U		0.000424	0.00109	1	03/17/2018 16:04	WG1085895
1,1,1-Trichloroethane	U		0.000313	0.00109	1	03/17/2018 16:04	WG1085895
1,1,2-Trichloroethane	U		0.000303	0.00109	1	03/17/2018 16:04	WG1085895
Trichloroethene	0.000755	J	0.000305	0.00109	1	03/21/2018 13:52	WG1085895
Trichlorofluoromethane	U		0.000418	0.00547	1	03/17/2018 16:04	WG1085895
1,2,3-Trichloropropane	U		0.000810	0.00273	1	03/17/2018 16:04	WG1085895
1,2,4-Trimethylbenzene	U		0.000231	0.00109	1	03/17/2018 16:04	WG1085895
1,2,3-Trimethylbenzene	U		0.000314	0.00109	1	03/17/2018 16:04	WG1085895
1,3,5-Trimethylbenzene	U		0.000291	0.00109	1	03/17/2018 16:04	WG1085895
Vinyl acetate	U		0.00261	0.0109	1	03/17/2018 16:04	WG1085895
Vinyl chloride	0.00496		0.000318	0.00109	1	03/17/2018 16:04	WG1085895
Xylenes, Total	U		0.000763	0.00328	1	03/17/2018 16:04	WG1085895
(S) Toluene-d8	*105*			*80.0-120*		*03/21/2018 13:52*	WG1085895
(S) Toluene-d8	*97.6*			*80.0-120*		*03/17/2018 16:04*	WG1085895
(S) Dibromofluoromethane	*103*			*74.0-131*		*03/17/2018 16:04*	WG1085895
(S) Dibromofluoromethane	*108*			*74.0-131*		*03/21/2018 13:52*	WG1085895
(S) 4-Bromofluorobenzene	*95.3*			*64.0-132*		*03/21/2018 13:52*	WG1085895
(S) 4-Bromofluorobenzene	*88.9*			*64.0-132*		*03/17/2018 16:04*	WG1085895

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	83.3		1	03/20/2018 09:39	WG1086138

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0120	0.0601	1	03/17/2018 16:24	WG1085895
Acrylonitrile	U		0.00215	0.0120	1	03/17/2018 16:24	WG1085895
Benzene	U		0.000324	0.00120	1	03/17/2018 16:24	WG1085895
Bromobenzene	U		0.000341	0.00120	1	03/17/2018 16:24	WG1085895
Bromodichloromethane	U		0.000305	0.00120	1	03/17/2018 16:24	WG1085895
Bromochloromethane	U		0.000468	0.00601	1	03/17/2018 16:24	WG1085895
Bromoform	U		0.000509	0.00120	1	03/17/2018 16:24	WG1085895
Bromomethane	U		0.00161	0.00601	1	03/17/2018 16:24	WG1085895
n-Butylbenzene	U		0.000310	0.00120	1	03/17/2018 16:24	WG1085895
sec-Butylbenzene	U		0.000241	0.00120	1	03/17/2018 16:24	WG1085895
tert-Butylbenzene	U		0.000247	0.00120	1	03/17/2018 16:24	WG1085895
Carbon disulfide	0.000537	J	0.000265	0.00120	1	03/17/2018 16:24	WG1085895
Carbon tetrachloride	U		0.000394	0.00120	1	03/17/2018 16:24	WG1085895
Chlorobenzene	U		0.000255	0.00120	1	03/17/2018 16:24	WG1085895
Chlorodibromomethane	U		0.000448	0.00120	1	03/17/2018 16:24	WG1085895
Chloroethane	U		0.00114	0.00601	1	03/17/2018 16:24	WG1085895
Chloroform	U		0.000275	0.00601	1	03/17/2018 16:24	WG1085895
Chloromethane	U		0.000450	0.00300	1	03/17/2018 16:24	WG1085895
2-Chlorotoluene	U		0.000362	0.00120	1	03/17/2018 16:24	WG1085895
4-Chlorotoluene	U		0.000288	0.00120	1	03/17/2018 16:24	WG1085895
1,2-Dibromo-3-Chloropropane	U		0.00126	0.00601	1	03/17/2018 16:24	WG1085895
1,2-Dibromoethane	U		0.000412	0.00120	1	03/17/2018 16:24	WG1085895
Dibromomethane	U		0.000459	0.00120	1	03/17/2018 16:24	WG1085895
1,2-Dichlorobenzene	U		0.000366	0.00120	1	03/17/2018 16:24	WG1085895
1,3-Dichlorobenzene	U		0.000287	0.00120	1	03/17/2018 16:24	WG1085895
1,4-Dichlorobenzene	U		0.000271	0.00120	1	03/17/2018 16:24	WG1085895
Dichlorodifluoromethane	U		0.000856	0.00601	1	03/17/2018 16:24	WG1085895
1,1-Dichloroethane	U		0.000239	0.00120	1	03/17/2018 16:24	WG1085895
1,2-Dichloroethane	U		0.000318	0.00120	1	03/17/2018 16:24	WG1085895
1,1-Dichloroethene	U		0.000364	0.00120	1	03/17/2018 16:24	WG1085895
cis-1,2-Dichloroethene	U		0.000282	0.00120	1	03/21/2018 14:12	WG1085895
trans-1,2-Dichloroethene	U		0.000317	0.00120	1	03/17/2018 16:24	WG1085895
1,2-Dichloropropane	U		0.000430	0.00120	1	03/17/2018 16:24	WG1085895
1,1-Dichloropropene	U		0.000381	0.00120	1	03/17/2018 16:24	WG1085895
1,3-Dichloropropane	U		0.000249	0.00120	1	03/17/2018 16:24	WG1085895
cis-1,3-Dichloropropene	U		0.000315	0.00120	1	03/17/2018 16:24	WG1085895
trans-1,3-Dichloropropene	U		0.000321	0.00120	1	03/17/2018 16:24	WG1085895
trans-1,4-Dichloro-2-butene	U		0.000934	0.00300	1	03/17/2018 16:24	WG1085895
2,2-Dichloropropane	U		0.000335	0.00120	1	03/17/2018 16:24	WG1085895
Di-isopropyl ether	U		0.000298	0.00120	1	03/17/2018 16:24	WG1085895
Ethylbenzene	U		0.000357	0.00120	1	03/17/2018 16:24	WG1085895
Hexachloro-1,3-butadiene	U		0.000411	0.00120	1	03/17/2018 16:24	WG1085895
2-Hexanone	U		0.00165	0.0120	1	03/17/2018 16:24	WG1085895
n-Hexane	U		0.000348	0.0120	1	03/17/2018 16:24	WG1085895
Iodomethane	U		0.00304	0.0120	1	03/17/2018 16:24	WG1085895
Isopropylbenzene	U		0.000292	0.00120	1	03/17/2018 16:24	WG1085895
p-Isopropyltoluene	U		0.000245	0.00120	1	03/17/2018 16:24	WG1085895
2-Butanone (MEK)	U		0.00562	0.0120	1	03/17/2018 16:24	WG1085895
Methylene Chloride	U		0.00120	0.00601	1	03/17/2018 16:24	WG1085895
4-Methyl-2-pentanone (MIBK)	U		0.00226	0.0120	1	03/17/2018 16:24	WG1085895

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000255	0.00120	1	03/17/2018 16:24	WG1085895
Naphthalene	U		0.00120	0.00601	1	03/17/2018 16:24	WG1085895
n-Propylbenzene	U		0.000247	0.00120	1	03/17/2018 16:24	WG1085895
Styrene	U		0.000281	0.00120	1	03/17/2018 16:24	WG1085895
1,1,1,2-Tetrachloroethane	U		0.000317	0.00120	1	03/17/2018 16:24	WG1085895
1,1,2,2-Tetrachloroethane	U		0.000438	0.00120	1	03/17/2018 16:24	WG1085895
1,1,2-Trichlorotrifluoroethane	U		0.000438	0.00120	1	03/17/2018 16:24	WG1085895
Tetrachloroethene	U		0.000331	0.00120	1	03/21/2018 14:12	WG1085895
Toluene	U		0.000521	0.00601	1	03/17/2018 16:24	WG1085895
1,2,3-Trichlorobenzene	U		0.000368	0.00120	1	03/17/2018 16:24	WG1085895
1,2,4-Trichlorobenzene	U		0.000466	0.00120	1	03/17/2018 16:24	WG1085895
1,1,1-Trichloroethane	U		0.000344	0.00120	1	03/17/2018 16:24	WG1085895
1,1,2-Trichloroethane	U		0.000333	0.00120	1	03/17/2018 16:24	WG1085895
Trichloroethene	U		0.000335	0.00120	1	03/17/2018 16:24	WG1085895
Trichlorofluoromethane	U		0.000459	0.00601	1	03/17/2018 16:24	WG1085895
1,2,3-Trichloropropane	U		0.000890	0.00300	1	03/17/2018 16:24	WG1085895
1,2,4-Trimethylbenzene	U		0.000253	0.00120	1	03/17/2018 16:24	WG1085895
1,2,3-Trimethylbenzene	U		0.000345	0.00120	1	03/17/2018 16:24	WG1085895
1,3,5-Trimethylbenzene	U		0.000319	0.00120	1	03/17/2018 16:24	WG1085895
Vinyl acetate	U		0.00287	0.0120	1	03/17/2018 16:24	WG1085895
Vinyl chloride	U		0.000350	0.00120	1	03/17/2018 16:24	WG1085895
Xylenes, Total	U		0.000838	0.00360	1	03/17/2018 16:24	WG1085895
(S) Toluene-d8	*98.1*			*80.0-120*		*03/17/2018 16:24*	WG1085895
(S) Toluene-d8	*103*			*80.0-120*		*03/21/2018 14:12*	WG1085895
(S) Dibromofluoromethane	*112*			*74.0-131*		*03/21/2018 14:12*	WG1085895
(S) Dibromofluoromethane	*109*			*74.0-131*		*03/17/2018 16:24*	WG1085895
(S) 4-Bromofluorobenzene	*92.4*			*64.0-132*		*03/17/2018 16:24*	WG1085895
(S) 4-Bromofluorobenzene	*94.2*			*64.0-132*		*03/21/2018 14:12*	WG1085895

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	90.0		1	03/20/2018 10:59	WG1086139

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0111	0.0555	1	03/17/2018 18:03	WG1085895
Acrylonitrile	U		0.00199	0.0111	1	03/17/2018 18:03	WG1085895
Benzene	U		0.000300	0.00111	1	03/17/2018 18:03	WG1085895
Bromobenzene	U		0.000316	0.00111	1	03/17/2018 18:03	WG1085895
Bromodichloromethane	U		0.000282	0.00111	1	03/17/2018 18:03	WG1085895
Bromochloromethane	U		0.000433	0.00555	1	03/17/2018 18:03	WG1085895
Bromoform	U		0.000471	0.00111	1	03/17/2018 18:03	WG1085895
Bromomethane	U		0.00149	0.00555	1	03/17/2018 18:03	WG1085895
n-Butylbenzene	U		0.000287	0.00111	1	03/17/2018 18:03	WG1085895
sec-Butylbenzene	U		0.000223	0.00111	1	03/17/2018 18:03	WG1085895
tert-Butylbenzene	U		0.000229	0.00111	1	03/17/2018 18:03	WG1085895
Carbon disulfide	0.000570	J	0.000246	0.00111	1	03/17/2018 18:03	WG1085895
Carbon tetrachloride	U		0.000364	0.00111	1	03/17/2018 18:03	WG1085895
Chlorobenzene	U		0.000236	0.00111	1	03/17/2018 18:03	WG1085895
Chlorodibromomethane	U		0.000414	0.00111	1	03/17/2018 18:03	WG1085895
Chloroethane	U		0.00105	0.00555	1	03/17/2018 18:03	WG1085895
Chloroform	U		0.000254	0.00555	1	03/17/2018 18:03	WG1085895
Chloromethane	U		0.000417	0.00278	1	03/17/2018 18:03	WG1085895
2-Chlorotoluene	U		0.000334	0.00111	1	03/17/2018 18:03	WG1085895
4-Chlorotoluene	U		0.000267	0.00111	1	03/17/2018 18:03	WG1085895
1,2-Dibromo-3-Chloropropane	U		0.00117	0.00555	1	03/17/2018 18:03	WG1085895
1,2-Dibromoethane	U		0.000381	0.00111	1	03/17/2018 18:03	WG1085895
Dibromomethane	U		0.000424	0.00111	1	03/17/2018 18:03	WG1085895
1,2-Dichlorobenzene	U		0.000339	0.00111	1	03/17/2018 18:03	WG1085895
1,3-Dichlorobenzene	U		0.000266	0.00111	1	03/17/2018 18:03	WG1085895
1,4-Dichlorobenzene	U		0.000251	0.00111	1	03/17/2018 18:03	WG1085895
Dichlorodifluoromethane	U		0.000792	0.00555	1	03/17/2018 18:03	WG1085895
1,1-Dichloroethane	U		0.000221	0.00111	1	03/17/2018 18:03	WG1085895
1,2-Dichloroethane	U		0.000294	0.00111	1	03/17/2018 18:03	WG1085895
1,1-Dichloroethene	U		0.000337	0.00111	1	03/17/2018 18:03	WG1085895
cis-1,2-Dichloroethene	0.00291		0.000261	0.00111	1	03/17/2018 18:03	WG1085895
trans-1,2-Dichloroethene	U		0.000293	0.00111	1	03/17/2018 18:03	WG1085895
1,2-Dichloropropane	U		0.000398	0.00111	1	03/17/2018 18:03	WG1085895
1,1-Dichloropropene	U		0.000352	0.00111	1	03/17/2018 18:03	WG1085895
1,3-Dichloropropane	U		0.000230	0.00111	1	03/17/2018 18:03	WG1085895
cis-1,3-Dichloropropene	U		0.000291	0.00111	1	03/17/2018 18:03	WG1085895
trans-1,3-Dichloropropene	U		0.000297	0.00111	1	03/17/2018 18:03	WG1085895
trans-1,4-Dichloro-2-butene	U		0.000864	0.00278	1	03/17/2018 18:03	WG1085895
2,2-Dichloropropane	U		0.000310	0.00111	1	03/17/2018 18:03	WG1085895
Di-isopropyl ether	U		0.000276	0.00111	1	03/17/2018 18:03	WG1085895
Ethylbenzene	U		0.000330	0.00111	1	03/17/2018 18:03	WG1085895
Hexachloro-1,3-butadiene	U		0.000380	0.00111	1	03/17/2018 18:03	WG1085895
2-Hexanone	U		0.00152	0.0111	1	03/17/2018 18:03	WG1085895
n-Hexane	U		0.000322	0.0111	1	03/17/2018 18:03	WG1085895
Iodomethane	U		0.00281	0.0111	1	03/17/2018 18:03	WG1085895
Isopropylbenzene	U		0.000270	0.00111	1	03/17/2018 18:03	WG1085895
p-Isopropyltoluene	U		0.000227	0.00111	1	03/17/2018 18:03	WG1085895
2-Butanone (MEK)	U		0.00520	0.0111	1	03/17/2018 18:03	WG1085895
Methylene Chloride	U		0.00111	0.00555	1	03/17/2018 18:03	WG1085895
4-Methyl-2-pentanone (MIBK)	U		0.00209	0.0111	1	03/17/2018 18:03	WG1085895

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000236	0.00111	1	03/17/2018 18:03	WG1085895
Naphthalene	U		0.00111	0.00555	1	03/17/2018 18:03	WG1085895
n-Propylbenzene	U		0.000229	0.00111	1	03/17/2018 18:03	WG1085895
Styrene	U		0.000260	0.00111	1	03/17/2018 18:03	WG1085895
1,1,1,2-Tetrachloroethane	U		0.000293	0.00111	1	03/17/2018 18:03	WG1085895
1,1,2,2-Tetrachloroethane	U		0.000406	0.00111	1	03/17/2018 18:03	WG1085895
1,1,2-Trichlorotrifluoroethane	U		0.000406	0.00111	1	03/17/2018 18:03	WG1085895
Tetrachloroethene	0.0399		0.000307	0.00111	1	03/17/2018 18:03	WG1085895
Toluene	U		0.000482	0.00555	1	03/17/2018 18:03	WG1085895
1,2,3-Trichlorobenzene	U		0.000340	0.00111	1	03/17/2018 18:03	WG1085895
1,2,4-Trichlorobenzene	U		0.000431	0.00111	1	03/17/2018 18:03	WG1085895
1,1,1-Trichloroethane	U		0.000318	0.00111	1	03/17/2018 18:03	WG1085895
1,1,2-Trichloroethane	U		0.000308	0.00111	1	03/17/2018 18:03	WG1085895
Trichloroethene	0.00620		0.000310	0.00111	1	03/17/2018 18:03	WG1085895
Trichlorofluoromethane	U		0.000424	0.00555	1	03/17/2018 18:03	WG1085895
1,2,3-Trichloropropane	U		0.000823	0.00278	1	03/17/2018 18:03	WG1085895
1,2,4-Trimethylbenzene	0.00161		0.000234	0.00111	1	03/17/2018 18:03	WG1085895
1,2,3-Trimethylbenzene	0.000791	J	0.000319	0.00111	1	03/17/2018 18:03	WG1085895
1,3,5-Trimethylbenzene	0.000513	J	0.000296	0.00111	1	03/17/2018 18:03	WG1085895
Vinyl acetate	U		0.00266	0.0111	1	03/17/2018 18:03	WG1085895
Vinyl chloride	U		0.000323	0.00111	1	03/17/2018 18:03	WG1085895
Xylenes, Total	U		0.000775	0.00333	1	03/17/2018 18:03	WG1085895
(S) Toluene-d8	*102*			*80.0-120*		*03/17/2018 18:03*	WG1085895
(S) Dibromofluoromethane	*103*			*74.0-131*		*03/17/2018 18:03*	WG1085895
(S) 4-Bromofluorobenzene	*106*			*64.0-132*		*03/17/2018 18:03*	WG1085895

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	85.2		1	03/20/2018 10:59	WG1086139

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0117	0.0587	1	03/17/2018 18:23	WG1085895
Acrylonitrile	U		0.00210	0.0117	1	03/17/2018 18:23	WG1085895
Benzene	U		0.000317	0.00117	1	03/17/2018 18:23	WG1085895
Bromobenzene	U		0.000334	0.00117	1	03/17/2018 18:23	WG1085895
Bromodichloromethane	U		0.000298	0.00117	1	03/17/2018 18:23	WG1085895
Bromochloromethane	U		0.000458	0.00587	1	03/17/2018 18:23	WG1085895
Bromoform	U		0.000498	0.00117	1	03/17/2018 18:23	WG1085895
Bromomethane	U		0.00157	0.00587	1	03/17/2018 18:23	WG1085895
n-Butylbenzene	U		0.000303	0.00117	1	03/17/2018 18:23	WG1085895
sec-Butylbenzene	U		0.000236	0.00117	1	03/17/2018 18:23	WG1085895
tert-Butylbenzene	U		0.000242	0.00117	1	03/17/2018 18:23	WG1085895
Carbon disulfide	U		0.000260	0.00117	1	03/17/2018 18:23	WG1085895
Carbon tetrachloride	U		0.000385	0.00117	1	03/17/2018 18:23	WG1085895
Chlorobenzene	U		0.000249	0.00117	1	03/17/2018 18:23	WG1085895
Chlorodibromomethane	U		0.000438	0.00117	1	03/17/2018 18:23	WG1085895
Chloroethane	U		0.00111	0.00587	1	03/17/2018 18:23	WG1085895
Chloroform	U		0.000269	0.00587	1	03/17/2018 18:23	WG1085895
Chloromethane	U		0.000440	0.00294	1	03/17/2018 18:23	WG1085895
2-Chlorotoluene	U		0.000353	0.00117	1	03/17/2018 18:23	WG1085895
4-Chlorotoluene	U		0.000282	0.00117	1	03/17/2018 18:23	WG1085895
1,2-Dibromo-3-Chloropropane	U		0.00123	0.00587	1	03/17/2018 18:23	WG1085895
1,2-Dibromoethane	U		0.000403	0.00117	1	03/17/2018 18:23	WG1085895
Dibromomethane	U		0.000449	0.00117	1	03/17/2018 18:23	WG1085895
1,2-Dichlorobenzene	U		0.000358	0.00117	1	03/17/2018 18:23	WG1085895
1,3-Dichlorobenzene	U		0.000281	0.00117	1	03/17/2018 18:23	WG1085895
1,4-Dichlorobenzene	U		0.000265	0.00117	1	03/17/2018 18:23	WG1085895
Dichlorodifluoromethane	U		0.000837	0.00587	1	03/17/2018 18:23	WG1085895
1,1-Dichloroethane	U		0.000234	0.00117	1	03/17/2018 18:23	WG1085895
1,2-Dichloroethane	U		0.000311	0.00117	1	03/17/2018 18:23	WG1085895
1,1-Dichloroethene	U		0.000356	0.00117	1	03/17/2018 18:23	WG1085895
cis-1,2-Dichloroethene	0.00154		0.000276	0.00117	1	03/17/2018 18:23	WG1085895
trans-1,2-Dichloroethene	U		0.000310	0.00117	1	03/17/2018 18:23	WG1085895
1,2-Dichloropropane	U		0.000420	0.00117	1	03/17/2018 18:23	WG1085895
1,1-Dichloropropene	U		0.000372	0.00117	1	03/17/2018 18:23	WG1085895
1,3-Dichloropropane	U		0.000243	0.00117	1	03/17/2018 18:23	WG1085895
cis-1,3-Dichloropropene	U		0.000308	0.00117	1	03/17/2018 18:23	WG1085895
trans-1,3-Dichloropropene	U		0.000314	0.00117	1	03/17/2018 18:23	WG1085895
trans-1,4-Dichloro-2-butene	U		0.000914	0.00294	1	03/17/2018 18:23	WG1085895
2,2-Dichloropropane	U		0.000328	0.00117	1	03/17/2018 18:23	WG1085895
Di-isopropyl ether	U		0.000291	0.00117	1	03/17/2018 18:23	WG1085895
Ethylbenzene	U		0.000349	0.00117	1	03/17/2018 18:23	WG1085895
Hexachloro-1,3-butadiene	U		0.000402	0.00117	1	03/17/2018 18:23	WG1085895
2-Hexanone	U		0.00161	0.0117	1	03/17/2018 18:23	WG1085895
n-Hexane	0.000851	J	0.000341	0.0117	1	03/17/2018 18:23	WG1085895
Iodomethane	U		0.00297	0.0117	1	03/17/2018 18:23	WG1085895
Isopropylbenzene	U		0.000285	0.00117	1	03/17/2018 18:23	WG1085895
p-Isopropyltoluene	U		0.000240	0.00117	1	03/17/2018 18:23	WG1085895
2-Butanone (MEK)	U		0.00550	0.0117	1	03/17/2018 18:23	WG1085895
Methylene Chloride	U		0.00117	0.00587	1	03/17/2018 18:23	WG1085895
4-Methyl-2-pentanone (MIBK)	U		0.00221	0.0117	1	03/17/2018 18:23	WG1085895

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000249	0.00117	1	03/17/2018 18:23	WG1085895
Naphthalene	U		0.00117	0.00587	1	03/17/2018 18:23	WG1085895
n-Propylbenzene	U		0.000242	0.00117	1	03/17/2018 18:23	WG1085895
Styrene	U		0.000275	0.00117	1	03/17/2018 18:23	WG1085895
1,1,1,2-Tetrachloroethane	U		0.000310	0.00117	1	03/17/2018 18:23	WG1085895
1,1,2,2-Tetrachloroethane	U		0.000429	0.00117	1	03/17/2018 18:23	WG1085895
1,1,2-Trichlorotrifluoroethane	U		0.000429	0.00117	1	03/17/2018 18:23	WG1085895
Tetrachloroethene	0.00145		0.000324	0.00117	1	03/17/2018 18:23	WG1085895
Toluene	U		0.000510	0.00587	1	03/17/2018 18:23	WG1085895
1,2,3-Trichlorobenzene	U		0.000359	0.00117	1	03/17/2018 18:23	WG1085895
1,2,4-Trichlorobenzene	U		0.000456	0.00117	1	03/17/2018 18:23	WG1085895
1,1,1-Trichloroethane	U		0.000336	0.00117	1	03/17/2018 18:23	WG1085895
1,1,2-Trichloroethane	U		0.000325	0.00117	1	03/17/2018 18:23	WG1085895
Trichloroethene	0.000516	J	0.000328	0.00117	1	03/17/2018 18:23	WG1085895
Trichlorofluoromethane	U		0.000449	0.00587	1	03/17/2018 18:23	WG1085895
1,2,3-Trichloropropane	U		0.000870	0.00294	1	03/17/2018 18:23	WG1085895
1,2,4-Trimethylbenzene	U		0.000248	0.00117	1	03/17/2018 18:23	WG1085895
1,2,3-Trimethylbenzene	U		0.000337	0.00117	1	03/17/2018 18:23	WG1085895
1,3,5-Trimethylbenzene	U		0.000312	0.00117	1	03/17/2018 18:23	WG1085895
Vinyl acetate	U		0.00281	0.0117	1	03/17/2018 18:23	WG1085895
Vinyl chloride	0.000790	J	0.000342	0.00117	1	03/17/2018 18:23	WG1085895
Xylenes, Total	U		0.000820	0.00352	1	03/17/2018 18:23	WG1085895
(S) Toluene-d8	*101*			*80.0-120*		*03/17/2018 18:23*	WG1085895
(S) Dibromofluoromethane	*104*			*74.0-131*		*03/17/2018 18:23*	WG1085895
(S) 4-Bromofluorobenzene	*91.2*			*64.0-132*		*03/17/2018 18:23*	WG1085895

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	84.2		1	03/20/2018 10:59	WG1086139

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		2.38	11.9	200	03/17/2018 20:59	WG1085895
Acrylonitrile	U		0.425	2.38	200	03/17/2018 20:59	WG1085895
Benzene	U		0.0641	0.238	200	03/17/2018 20:59	WG1085895
Bromobenzene	U		0.0675	0.238	200	03/17/2018 20:59	WG1085895
Bromodichloromethane	U		0.0603	0.238	200	03/17/2018 20:59	WG1085895
Bromochloromethane	U		0.0926	1.19	200	03/17/2018 20:59	WG1085895
Bromoform	U		0.101	0.238	200	03/17/2018 20:59	WG1085895
Bromomethane	U		0.318	1.19	200	03/17/2018 20:59	WG1085895
n-Butylbenzene	U		0.0613	0.238	200	03/17/2018 20:59	WG1085895
sec-Butylbenzene	U		0.0477	0.238	200	03/17/2018 20:59	WG1085895
tert-Butylbenzene	U		0.0489	0.238	200	03/17/2018 20:59	WG1085895
Carbon disulfide	U		0.0525	0.238	200	03/17/2018 20:59	WG1085895
Carbon tetrachloride	U		0.0779	0.238	200	03/17/2018 20:59	WG1085895
Chlorobenzene	U		0.0504	0.238	200	03/17/2018 20:59	WG1085895
Chlorodibromomethane	U		0.0886	0.238	200	03/17/2018 20:59	WG1085895
Chloroethane	U		0.224	1.19	200	03/17/2018 20:59	WG1085895
Chloroform	U		0.0544	1.19	200	03/17/2018 20:59	WG1085895
Chloromethane	U		0.0891	0.594	200	03/17/2018 20:59	WG1085895
2-Chlorotoluene	U		0.0715	0.238	200	03/17/2018 20:59	WG1085895
4-Chlorotoluene	U		0.0570	0.238	200	03/17/2018 20:59	WG1085895
1,2-Dibromo-3-Chloropropane	U		0.249	1.19	200	03/17/2018 20:59	WG1085895
1,2-Dibromoethane	U		0.0815	0.238	200	03/17/2018 20:59	WG1085895
Dibromomethane	U		0.0907	0.238	200	03/17/2018 20:59	WG1085895
1,2-Dichlorobenzene	U		0.0724	0.238	200	03/17/2018 20:59	WG1085895
1,3-Dichlorobenzene	U		0.0568	0.238	200	03/17/2018 20:59	WG1085895
1,4-Dichlorobenzene	U		0.0537	0.238	200	03/17/2018 20:59	WG1085895
Dichlorodifluoromethane	U		0.170	1.19	200	03/17/2018 20:59	WG1085895
1,1-Dichloroethane	U		0.0473	0.238	200	03/17/2018 20:59	WG1085895
1,2-Dichloroethane	U		0.0629	0.238	200	03/17/2018 20:59	WG1085895
1,1-Dichloroethene	U		0.0720	0.238	200	03/17/2018 20:59	WG1085895
cis-1,2-Dichloroethene	0.769		0.0558	0.238	200	03/17/2018 20:59	WG1085895
trans-1,2-Dichloroethene	U		0.0627	0.238	200	03/17/2018 20:59	WG1085895
1,2-Dichloropropane	U		0.0850	0.238	200	03/17/2018 20:59	WG1085895
1,1-Dichloropropene	U		0.0753	0.238	200	03/17/2018 20:59	WG1085895
1,3-Dichloropropane	U		0.0492	0.238	200	03/17/2018 20:59	WG1085895
cis-1,3-Dichloropropene	U		0.0622	0.238	200	03/17/2018 20:59	WG1085895
trans-1,3-Dichloropropene	U		0.0634	0.238	200	03/17/2018 20:59	WG1085895
trans-1,4-Dichloro-2-butene	U		0.185	0.594	200	03/17/2018 20:59	WG1085895
2,2-Dichloropropane	U		0.0663	0.238	200	03/17/2018 20:59	WG1085895
Di-isopropyl ether	U		0.0589	0.238	200	03/17/2018 20:59	WG1085895
Ethylbenzene	U		0.0705	0.238	200	03/17/2018 20:59	WG1085895
Hexachloro-1,3-butadiene	U		0.0812	0.238	200	03/17/2018 20:59	WG1085895
2-Hexanone	U		0.325	2.38	200	03/17/2018 20:59	WG1085895
n-Hexane	U		0.0689	2.38	200	03/17/2018 20:59	WG1085895
Iodomethane	U		0.601	2.38	200	03/17/2018 20:59	WG1085895
Isopropylbenzene	U		0.0577	0.238	200	03/17/2018 20:59	WG1085895
p-Isopropyltoluene	U		0.0485	0.238	200	03/17/2018 20:59	WG1085895
2-Butanone (MEK)	U		1.11	2.38	200	03/17/2018 20:59	WG1085895
Methylene Chloride	U		0.238	1.19	200	03/17/2018 20:59	WG1085895
4-Methyl-2-pentanone (MIBK)	U		0.447	2.38	200	03/17/2018 20:59	WG1085895

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	0.554	J0	0.0504	0.238	200	03/17/2018 20:59	WG1085895
Naphthalene	U		0.238	1.19	200	03/17/2018 20:59	WG1085895
n-Propylbenzene	U		0.0489	0.238	200	03/17/2018 20:59	WG1085895
Styrene	U		0.0556	0.238	200	03/17/2018 20:59	WG1085895
1,1,1,2-Tetrachloroethane	U		0.0627	0.238	200	03/17/2018 20:59	WG1085895
1,1,2,2-Tetrachloroethane	U		0.0867	0.238	200	03/17/2018 20:59	WG1085895
1,1,2-Trichlorotrifluoroethane	U		0.0867	0.238	200	03/17/2018 20:59	WG1085895
Tetrachloroethene	11.1		0.0656	0.238	200	03/17/2018 20:59	WG1085895
Toluene	U		0.103	1.19	200	03/17/2018 20:59	WG1085895
1,2,3-Trichlorobenzene	U		0.0727	0.238	200	03/17/2018 20:59	WG1085895
1,2,4-Trichlorobenzene	U		0.0922	0.238	200	03/17/2018 20:59	WG1085895
1,1,1-Trichloroethane	U		0.0679	0.238	200	03/17/2018 20:59	WG1085895
1,1,2-Trichloroethane	U		0.0658	0.238	200	03/17/2018 20:59	WG1085895
Trichloroethene	0.845		0.0663	0.238	200	03/17/2018 20:59	WG1085895
Trichlorofluoromethane	U		0.0907	1.19	200	03/17/2018 20:59	WG1085895
1,2,3-Trichloropropane	U		0.176	0.594	200	03/17/2018 20:59	WG1085895
1,2,4-Trimethylbenzene	U		0.0501	0.238	200	03/17/2018 20:59	WG1085895
1,2,3-Trimethylbenzene	U		0.0682	0.238	200	03/17/2018 20:59	WG1085895
1,3,5-Trimethylbenzene	U		0.0632	0.238	200	03/17/2018 20:59	WG1085895
Vinyl acetate	U		0.568	2.38	200	03/17/2018 20:59	WG1085895
Vinyl chloride	U		0.0691	0.238	200	03/17/2018 20:59	WG1085895
Xylenes, Total	U		0.166	0.713	200	03/17/2018 20:59	WG1085895
(S) Toluene-d8	*109*			*80.0-120*		*03/17/2018 20:59*	WG1085895
(S) Dibromofluoromethane	*101*			*74.0-131*		*03/17/2018 20:59*	WG1085895
(S) 4-Bromofluorobenzene	*89.7*			*64.0-132*		*03/17/2018 20:59*	WG1085895

Sample Narrative:

L977245-11 WG1085895: Cannot be analyzed at a lower dilution due to high levels of target analytes.

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch
Analyte	%			date / time	
Total Solids	93.2		1	03/20/2018 10:59	WG1086139

Volatile Organic Compounds (GC/MS) by Method 8260C

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0107	0.0536	1	03/17/2018 18:42	WG1085895
Acrylonitrile	U		0.00192	0.0107	1	03/17/2018 18:42	WG1085895
Benzene	U		0.000290	0.00107	1	03/17/2018 18:42	WG1085895
Bromobenzene	U		0.000305	0.00107	1	03/17/2018 18:42	WG1085895
Bromodichloromethane	U		0.000272	0.00107	1	03/17/2018 18:42	WG1085895
Bromochloromethane	U		0.000418	0.00536	1	03/17/2018 18:42	WG1085895
Bromoform	U		0.000455	0.00107	1	03/17/2018 18:42	WG1085895
Bromomethane	U		0.00144	0.00536	1	03/17/2018 18:42	WG1085895
n-Butylbenzene	U		0.000277	0.00107	1	03/17/2018 18:42	WG1085895
sec-Butylbenzene	U		0.000216	0.00107	1	03/17/2018 18:42	WG1085895
tert-Butylbenzene	U		0.000221	0.00107	1	03/17/2018 18:42	WG1085895
Carbon disulfide	U		0.000237	0.00107	1	03/17/2018 18:42	WG1085895
Carbon tetrachloride	U		0.000352	0.00107	1	03/17/2018 18:42	WG1085895
Chlorobenzene	U		0.000227	0.00107	1	03/17/2018 18:42	WG1085895
Chlorodibromomethane	U		0.000400	0.00107	1	03/17/2018 18:42	WG1085895
Chloroethane	0.00270	J	0.00101	0.00536	1	03/17/2018 18:42	WG1085895
Chloroform	U		0.000246	0.00536	1	03/17/2018 18:42	WG1085895
Chloromethane	U		0.000402	0.00268	1	03/17/2018 18:42	WG1085895
2-Chlorotoluene	U		0.000323	0.00107	1	03/17/2018 18:42	WG1085895
4-Chlorotoluene	U		0.000257	0.00107	1	03/17/2018 18:42	WG1085895
1,2-Dibromo-3-Chloropropane	U		0.00113	0.00536	1	03/17/2018 18:42	WG1085895
1,2-Dibromoethane	U		0.000368	0.00107	1	03/17/2018 18:42	WG1085895
Dibromomethane	U		0.000410	0.00107	1	03/17/2018 18:42	WG1085895
1,2-Dichlorobenzene	U		0.000327	0.00107	1	03/17/2018 18:42	WG1085895
1,3-Dichlorobenzene	U		0.000256	0.00107	1	03/17/2018 18:42	WG1085895
1,4-Dichlorobenzene	U		0.000242	0.00107	1	03/17/2018 18:42	WG1085895
Dichlorodifluoromethane	U		0.000765	0.00536	1	03/17/2018 18:42	WG1085895
1,1-Dichloroethane	U		0.000213	0.00107	1	03/17/2018 18:42	WG1085895
1,2-Dichloroethane	U		0.000284	0.00107	1	03/17/2018 18:42	WG1085895
1,1-Dichloroethene	0.00552		0.000325	0.00107	1	03/17/2018 18:42	WG1085895
cis-1,2-Dichloroethene	0.404		0.0504	0.215	200	03/21/2018 15:36	WG1085895
trans-1,2-Dichloroethene	0.00339		0.000283	0.00107	1	03/17/2018 18:42	WG1085895
1,2-Dichloropropane	U		0.000384	0.00107	1	03/17/2018 18:42	WG1085895
1,1-Dichloropropene	U		0.000340	0.00107	1	03/17/2018 18:42	WG1085895
1,3-Dichloropropane	U		0.000222	0.00107	1	03/17/2018 18:42	WG1085895
cis-1,3-Dichloropropene	U		0.000281	0.00107	1	03/17/2018 18:42	WG1085895
trans-1,3-Dichloropropene	U		0.000286	0.00107	1	03/17/2018 18:42	WG1085895
trans-1,4-Dichloro-2-butene	U		0.000834	0.00268	1	03/17/2018 18:42	WG1085895
2,2-Dichloropropane	U		0.000299	0.00107	1	03/17/2018 18:42	WG1085895
Di-isopropyl ether	U		0.000266	0.00107	1	03/17/2018 18:42	WG1085895
Ethylbenzene	U		0.000319	0.00107	1	03/17/2018 18:42	WG1085895
Hexachloro-1,3-butadiene	U		0.000367	0.00107	1	03/17/2018 18:42	WG1085895
2-Hexanone	U		0.00147	0.0107	1	03/17/2018 18:42	WG1085895
n-Hexane	U		0.000311	0.0107	1	03/17/2018 18:42	WG1085895
Iodomethane	U		0.00271	0.0107	1	03/17/2018 18:42	WG1085895
Isopropylbenzene	U		0.000261	0.00107	1	03/17/2018 18:42	WG1085895
p-Isopropyltoluene	U		0.000219	0.00107	1	03/17/2018 18:42	WG1085895
2-Butanone (MEK)	U		0.00502	0.0107	1	03/17/2018 18:42	WG1085895
Methylene Chloride	U		0.00107	0.00536	1	03/17/2018 18:42	WG1085895
4-Methyl-2-pentanone (MIBK)	U		0.00202	0.0107	1	03/17/2018 18:42	WG1085895

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000227	0.00107	1	03/17/2018 18:42	WG1085895
Naphthalene	U		0.00107	0.00536	1	03/17/2018 18:42	WG1085895
n-Propylbenzene	U		0.000221	0.00107	1	03/17/2018 18:42	WG1085895
Styrene	U		0.000251	0.00107	1	03/17/2018 18:42	WG1085895
1,1,1,2-Tetrachloroethane	U		0.000283	0.00107	1	03/17/2018 18:42	WG1085895
1,1,2,2-Tetrachloroethane	U		0.000391	0.00107	1	03/17/2018 18:42	WG1085895
1,1,2-Trichlorotrifluoroethane	U		0.000391	0.00107	1	03/17/2018 18:42	WG1085895
Tetrachloroethene	2.66		0.0592	0.215	200	03/21/2018 15:36	WG1085895
Toluene	U		0.000465	0.00536	1	03/17/2018 18:42	WG1085895
1,2,3-Trichlorobenzene	U		0.000328	0.00107	1	03/17/2018 18:42	WG1085895
1,2,4-Trichlorobenzene	U		0.000416	0.00107	1	03/17/2018 18:42	WG1085895
1,1,1-Trichloroethane	U		0.000307	0.00107	1	03/17/2018 18:42	WG1085895
1,1,2-Trichloroethane	U		0.000297	0.00107	1	03/17/2018 18:42	WG1085895
Trichloroethene	0.286		0.0598	0.215	200	03/21/2018 15:36	WG1085895
Trichlorofluoromethane	U		0.000410	0.00536	1	03/17/2018 18:42	WG1085895
1,2,3-Trichloropropane	U		0.000795	0.00268	1	03/17/2018 18:42	WG1085895
1,2,4-Trimethylbenzene	U		0.000226	0.00107	1	03/17/2018 18:42	WG1085895
1,2,3-Trimethylbenzene	U		0.000308	0.00107	1	03/17/2018 18:42	WG1085895
1,3,5-Trimethylbenzene	U		0.000285	0.00107	1	03/17/2018 18:42	WG1085895
Vinyl acetate	U		0.00256	0.0107	1	03/17/2018 18:42	WG1085895
Vinyl chloride	0.0511		0.000312	0.00107	1	03/17/2018 18:42	WG1085895
Xylenes, Total	U		0.000749	0.00322	1	03/17/2018 18:42	WG1085895
(S) Toluene-d8	*94.0*			*80.0-120*		*03/17/2018 18:42*	WG1085895
(S) Toluene-d8	*112*			*80.0-120*		*03/21/2018 15:36*	WG1085895
(S) Dibromofluoromethane	*103*			*74.0-131*		*03/21/2018 15:36*	WG1085895
(S) Dibromofluoromethane	*103*			*74.0-131*		*03/17/2018 18:42*	WG1085895
(S) 4-Bromofluorobenzene	*90.0*			*64.0-132*		*03/17/2018 18:42*	WG1085895
(S) 4-Bromofluorobenzene	*96.8*			*64.0-132*		*03/21/2018 15:36*	WG1085895

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	89.3		1	03/20/2018 10:59	WG1086139

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0112	0.0560	1	03/17/2018 19:02	WG1085895
Acrylonitrile	U		0.00200	0.0112	1	03/17/2018 19:02	WG1085895
Benzene	U		0.000302	0.00112	1	03/17/2018 19:02	WG1085895
Bromobenzene	U		0.000318	0.00112	1	03/17/2018 19:02	WG1085895
Bromodichloromethane	U		0.000284	0.00112	1	03/17/2018 19:02	WG1085895
Bromochloromethane	U		0.000437	0.00560	1	03/17/2018 19:02	WG1085895
Bromoform	U		0.000475	0.00112	1	03/17/2018 19:02	WG1085895
Bromomethane	U		0.00150	0.00560	1	03/17/2018 19:02	WG1085895
n-Butylbenzene	U		0.000289	0.00112	1	03/17/2018 19:02	WG1085895
sec-Butylbenzene	U		0.000225	0.00112	1	03/17/2018 19:02	WG1085895
tert-Butylbenzene	U		0.000231	0.00112	1	03/17/2018 19:02	WG1085895
Carbon disulfide	0.00124		0.000247	0.00112	1	03/17/2018 19:02	WG1085895
Carbon tetrachloride	U		0.000367	0.00112	1	03/17/2018 19:02	WG1085895
Chlorobenzene	U		0.000237	0.00112	1	03/17/2018 19:02	WG1085895
Chlorodibromomethane	U		0.000418	0.00112	1	03/17/2018 19:02	WG1085895
Chloroethane	U		0.00106	0.00560	1	03/17/2018 19:02	WG1085895
Chloroform	0.000576	J	0.000256	0.00560	1	03/17/2018 19:02	WG1085895
Chloromethane	U		0.000420	0.00280	1	03/17/2018 19:02	WG1085895
2-Chlorotoluene	U		0.000337	0.00112	1	03/17/2018 19:02	WG1085895
4-Chlorotoluene	U		0.000269	0.00112	1	03/17/2018 19:02	WG1085895
1,2-Dibromo-3-Chloropropane	U		0.00118	0.00560	1	03/17/2018 19:02	WG1085895
1,2-Dibromoethane	U		0.000384	0.00112	1	03/17/2018 19:02	WG1085895
Dibromomethane	U		0.000428	0.00112	1	03/17/2018 19:02	WG1085895
1,2-Dichlorobenzene	U		0.000341	0.00112	1	03/17/2018 19:02	WG1085895
1,3-Dichlorobenzene	U		0.000268	0.00112	1	03/17/2018 19:02	WG1085895
1,4-Dichlorobenzene	U		0.000253	0.00112	1	03/17/2018 19:02	WG1085895
Dichlorodifluoromethane	U		0.000798	0.00560	1	03/17/2018 19:02	WG1085895
1,1-Dichloroethane	U		0.000223	0.00112	1	03/17/2018 19:02	WG1085895
1,2-Dichloroethane	U		0.000297	0.00112	1	03/17/2018 19:02	WG1085895
1,1-Dichloroethene	0.000891	J	0.000339	0.00112	1	03/17/2018 19:02	WG1085895
cis-1,2-Dichloroethene	0.153		0.000263	0.00112	1	03/17/2018 19:02	WG1085895
trans-1,2-Dichloroethene	0.00107	J	0.000296	0.00112	1	03/17/2018 19:02	WG1085895
1,2-Dichloropropane	U		0.000401	0.00112	1	03/17/2018 19:02	WG1085895
1,1-Dichloropropene	U		0.000355	0.00112	1	03/17/2018 19:02	WG1085895
1,3-Dichloropropane	U		0.000232	0.00112	1	03/17/2018 19:02	WG1085895
cis-1,3-Dichloropropene	U		0.000293	0.00112	1	03/17/2018 19:02	WG1085895
trans-1,3-Dichloropropene	U		0.000299	0.00112	1	03/17/2018 19:02	WG1085895
trans-1,4-Dichloro-2-butene	U		0.000871	0.00280	1	03/17/2018 19:02	WG1085895
2,2-Dichloropropane	U		0.000312	0.00112	1	03/17/2018 19:02	WG1085895
Di-isopropyl ether	U		0.000278	0.00112	1	03/17/2018 19:02	WG1085895
Ethylbenzene	U		0.000332	0.00112	1	03/17/2018 19:02	WG1085895
Hexachloro-1,3-butadiene	U		0.000383	0.00112	1	03/17/2018 19:02	WG1085895
2-Hexanone	U		0.00153	0.0112	1	03/17/2018 19:02	WG1085895
n-Hexane	0.00151	J	0.000325	0.0112	1	03/17/2018 19:02	WG1085895
Iodomethane	U		0.00283	0.0112	1	03/17/2018 19:02	WG1085895
Isopropylbenzene	U		0.000272	0.00112	1	03/17/2018 19:02	WG1085895
p-Isopropyltoluene	U		0.000228	0.00112	1	03/17/2018 19:02	WG1085895
2-Butanone (MEK)	U		0.00524	0.0112	1	03/17/2018 19:02	WG1085895
Methylene Chloride	U		0.00112	0.00560	1	03/17/2018 19:02	WG1085895
4-Methyl-2-pentanone (MIBK)	U		0.00210	0.0112	1	03/17/2018 19:02	WG1085895

IW-1C-45

Collected date/time: 03/07/18 13:20

SAMPLE RESULTS - 13

L977245

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000237	0.00112	1	03/17/2018 19:02	WG1085895
Naphthalene	U		0.00112	0.00560	1	03/17/2018 19:02	WG1085895
n-Propylbenzene	U		0.000231	0.00112	1	03/17/2018 19:02	WG1085895
Styrene	U		0.000262	0.00112	1	03/17/2018 19:02	WG1085895
1,1,1,2-Tetrachloroethane	U		0.000296	0.00112	1	03/17/2018 19:02	WG1085895
1,1,2,2-Tetrachloroethane	U		0.000409	0.00112	1	03/17/2018 19:02	WG1085895
1,1,2-Trichlorotrifluoroethane	U		0.000409	0.00112	1	03/17/2018 19:02	WG1085895
Tetrachloroethene	3.09		0.0171	0.0621	55.5	03/21/2018 15:58	WG1085895
Toluene	0.000626	J	0.000486	0.00560	1	03/17/2018 19:02	WG1085895
1,2,3-Trichlorobenzene	U		0.000343	0.00112	1	03/17/2018 19:02	WG1085895
1,2,4-Trichlorobenzene	U		0.000434	0.00112	1	03/17/2018 19:02	WG1085895
1,1,1-Trichloroethane	U		0.000320	0.00112	1	03/17/2018 19:02	WG1085895
1,1,2-Trichloroethane	U		0.000310	0.00112	1	03/17/2018 19:02	WG1085895
Trichloroethene	0.0782		0.000312	0.00112	1	03/17/2018 19:02	WG1085895
Trichlorofluoromethane	U		0.000428	0.00560	1	03/17/2018 19:02	WG1085895
1,2,3-Trichloropropane	U		0.000829	0.00280	1	03/17/2018 19:02	WG1085895
1,2,4-Trimethylbenzene	U		0.000236	0.00112	1	03/17/2018 19:02	WG1085895
1,2,3-Trimethylbenzene	U		0.000321	0.00112	1	03/17/2018 19:02	WG1085895
1,3,5-Trimethylbenzene	U		0.000298	0.00112	1	03/17/2018 19:02	WG1085895
Vinyl acetate	U		0.00268	0.0112	1	03/17/2018 19:02	WG1085895
Vinyl chloride	0.0238		0.000326	0.00112	1	03/17/2018 19:02	WG1085895
Xylenes, Total	U		0.000781	0.00336	1	03/17/2018 19:02	WG1085895
(S) Toluene-d8	*96.5*			*80.0-120*		*03/17/2018 19:02*	WG1085895
(S) Toluene-d8	*116*			*80.0-120*		*03/21/2018 15:58*	WG1085895
(S) Dibromofluoromethane	*104*			*74.0-131*		*03/17/2018 19:02*	WG1085895
(S) Dibromofluoromethane	*98.3*			*74.0-131*		*03/21/2018 15:58*	WG1085895
(S) 4-Bromofluorobenzene	*89.8*			*64.0-132*		*03/17/2018 19:02*	WG1085895
(S) 4-Bromofluorobenzene	*96.3*			*64.0-132*		*03/21/2018 15:58*	WG1085895

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	89.3		1	03/20/2018 10:59	WG1086139

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0112	0.0560	1	03/17/2018 19:22	WG1085895
Acrylonitrile	U		0.00200	0.0112	1	03/17/2018 19:22	WG1085895
Benzene	U		0.000302	0.00112	1	03/17/2018 19:22	WG1085895
Bromobenzene	U		0.000318	0.00112	1	03/17/2018 19:22	WG1085895
Bromodichloromethane	U		0.000284	0.00112	1	03/17/2018 19:22	WG1085895
Bromochloromethane	U		0.000437	0.00560	1	03/17/2018 19:22	WG1085895
Bromoform	U		0.000475	0.00112	1	03/17/2018 19:22	WG1085895
Bromomethane	U		0.00150	0.00560	1	03/17/2018 19:22	WG1085895
n-Butylbenzene	U		0.000289	0.00112	1	03/17/2018 19:22	WG1085895
sec-Butylbenzene	U		0.000225	0.00112	1	03/17/2018 19:22	WG1085895
tert-Butylbenzene	U		0.000231	0.00112	1	03/17/2018 19:22	WG1085895
Carbon disulfide	0.000567	J	0.000247	0.00112	1	03/17/2018 19:22	WG1085895
Carbon tetrachloride	U		0.000367	0.00112	1	03/17/2018 19:22	WG1085895
Chlorobenzene	U		0.000237	0.00112	1	03/17/2018 19:22	WG1085895
Chlorodibromomethane	U		0.000418	0.00112	1	03/17/2018 19:22	WG1085895
Chloroethane	U		0.00106	0.00560	1	03/17/2018 19:22	WG1085895
Chloroform	U		0.000256	0.00560	1	03/17/2018 19:22	WG1085895
Chloromethane	U		0.000420	0.00280	1	03/17/2018 19:22	WG1085895
2-Chlorotoluene	U		0.000337	0.00112	1	03/17/2018 19:22	WG1085895
4-Chlorotoluene	U		0.000269	0.00112	1	03/17/2018 19:22	WG1085895
1,2-Dibromo-3-Chloropropane	U		0.00118	0.00560	1	03/17/2018 19:22	WG1085895
1,2-Dibromoethane	U		0.000384	0.00112	1	03/17/2018 19:22	WG1085895
Dibromomethane	U		0.000428	0.00112	1	03/17/2018 19:22	WG1085895
1,2-Dichlorobenzene	U		0.000342	0.00112	1	03/17/2018 19:22	WG1085895
1,3-Dichlorobenzene	U		0.000268	0.00112	1	03/17/2018 19:22	WG1085895
1,4-Dichlorobenzene	U		0.000253	0.00112	1	03/17/2018 19:22	WG1085895
Dichlorodifluoromethane	U		0.000798	0.00560	1	03/17/2018 19:22	WG1085895
1,1-Dichloroethane	U		0.000223	0.00112	1	03/17/2018 19:22	WG1085895
1,2-Dichloroethane	U		0.000297	0.00112	1	03/17/2018 19:22	WG1085895
1,1-Dichloroethene	0.00116		0.000339	0.00112	1	03/17/2018 19:22	WG1085895
cis-1,2-Dichloroethene	0.324		0.00658	0.0280	25	03/21/2018 14:06	WG1085895
trans-1,2-Dichloroethene	0.000342	J	0.000296	0.00112	1	03/17/2018 19:22	WG1085895
1,2-Dichloropropane	U		0.000401	0.00112	1	03/17/2018 19:22	WG1085895
1,1-Dichloropropene	U		0.000355	0.00112	1	03/17/2018 19:22	WG1085895
1,3-Dichloropropane	U		0.000232	0.00112	1	03/17/2018 19:22	WG1085895
cis-1,3-Dichloropropene	U		0.000293	0.00112	1	03/17/2018 19:22	WG1085895
trans-1,3-Dichloropropene	U		0.000299	0.00112	1	03/17/2018 19:22	WG1085895
trans-1,4-Dichloro-2-butene	U		0.000871	0.00280	1	03/17/2018 19:22	WG1085895
2,2-Dichloropropane	U		0.000312	0.00112	1	03/17/2018 19:22	WG1085895
Di-isopropyl ether	U		0.000278	0.00112	1	03/17/2018 19:22	WG1085895
Ethylbenzene	U		0.000333	0.00112	1	03/17/2018 19:22	WG1085895
Hexachloro-1,3-butadiene	U		0.000383	0.00112	1	03/17/2018 19:22	WG1085895
2-Hexanone	U		0.00153	0.0112	1	03/17/2018 19:22	WG1085895
n-Hexane	U		0.000325	0.0112	1	03/17/2018 19:22	WG1085895
Iodomethane	U		0.00283	0.0112	1	03/17/2018 19:22	WG1085895
Isopropylbenzene	U		0.000272	0.00112	1	03/17/2018 19:22	WG1085895
p-Isopropyltoluene	U		0.000228	0.00112	1	03/17/2018 19:22	WG1085895
2-Butanone (MEK)	U		0.00524	0.0112	1	03/17/2018 19:22	WG1085895
Methylene Chloride	U		0.00112	0.00560	1	03/17/2018 19:22	WG1085895
4-Methyl-2-pentanone (MIBK)	U		0.00211	0.0112	1	03/17/2018 19:22	WG1085895

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000237	0.00112	1	03/17/2018 19:22	WG1085895
Naphthalene	U		0.00112	0.00560	1	03/17/2018 19:22	WG1085895
n-Propylbenzene	U		0.000231	0.00112	1	03/17/2018 19:22	WG1085895
Styrene	U		0.000262	0.00112	1	03/17/2018 19:22	WG1085895
1,1,1,2-Tetrachloroethane	U		0.000296	0.00112	1	03/17/2018 19:22	WG1085895
1,1,2,2-Tetrachloroethane	U		0.000409	0.00112	1	03/17/2018 19:22	WG1085895
1,1,2-Trichlorotrifluoroethane	U		0.000409	0.00112	1	03/17/2018 19:22	WG1085895
Tetrachloroethene	1.30		0.00773	0.0280	25	03/21/2018 14:06	WG1085895
Toluene	U		0.000486	0.00560	1	03/17/2018 19:22	WG1085895
1,2,3-Trichlorobenzene	U		0.000343	0.00112	1	03/17/2018 19:22	WG1085895
1,2,4-Trichlorobenzene	U		0.000435	0.00112	1	03/17/2018 19:22	WG1085895
1,1,1-Trichloroethane	U		0.000320	0.00112	1	03/17/2018 19:22	WG1085895
1,1,2-Trichloroethane	U		0.000310	0.00112	1	03/17/2018 19:22	WG1085895
Trichloroethene	0.00519		0.000312	0.00112	1	03/17/2018 19:22	WG1085895
Trichlorofluoromethane	U		0.000428	0.00560	1	03/17/2018 19:22	WG1085895
1,2,3-Trichloropropane	U		0.000830	0.00280	1	03/17/2018 19:22	WG1085895
1,2,4-Trimethylbenzene	U		0.000236	0.00112	1	03/17/2018 19:22	WG1085895
1,2,3-Trimethylbenzene	U		0.000321	0.00112	1	03/17/2018 19:22	WG1085895
1,3,5-Trimethylbenzene	U		0.000298	0.00112	1	03/17/2018 19:22	WG1085895
Vinyl acetate	U		0.00268	0.0112	1	03/17/2018 19:22	WG1085895
Vinyl chloride	0.176		0.00815	0.0280	25	03/21/2018 14:06	WG1085895
Xylenes, Total	U		0.000782	0.00336	1	03/17/2018 19:22	WG1085895
(S) Toluene-d8	*97.9*			*80.0-120*		*03/17/2018 19:22*	WG1085895
(S) Toluene-d8	*98.6*			*80.0-120*		*03/21/2018 14:06*	WG1085895
(S) Dibromofluoromethane	*106*			*74.0-131*		*03/17/2018 19:22*	WG1085895
(S) Dibromofluoromethane	*96.5*			*74.0-131*		*03/21/2018 14:06*	WG1085895
(S) 4-Bromofluorobenzene	*91.7*			*64.0-132*		*03/17/2018 19:22*	WG1085895
(S) 4-Bromofluorobenzene	*89.4*			*64.0-132*		*03/21/2018 14:06*	WG1085895

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch
Analyte	%			date / time	
Total Solids	87.0		1	03/20/2018 10:59	WG1086139

Volatile Organic Compounds (GC/MS) by Method 8260C

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0115	0.0575	1	03/17/2018 19:42	WG1085895
Acrylonitrile	U		0.00206	0.0115	1	03/17/2018 19:42	WG1085895
Benzene	U		0.000310	0.00115	1	03/17/2018 19:42	WG1085895
Bromobenzene	U		0.000326	0.00115	1	03/17/2018 19:42	WG1085895
Bromodichloromethane	U		0.000292	0.00115	1	03/17/2018 19:42	WG1085895
Bromochloromethane	U		0.000448	0.00575	1	03/17/2018 19:42	WG1085895
Bromoform	U		0.000487	0.00115	1	03/17/2018 19:42	WG1085895
Bromomethane	U		0.00154	0.00575	1	03/17/2018 19:42	WG1085895
n-Butylbenzene	U		0.000296	0.00115	1	03/17/2018 19:42	WG1085895
sec-Butylbenzene	U		0.000231	0.00115	1	03/17/2018 19:42	WG1085895
tert-Butylbenzene	U		0.000237	0.00115	1	03/17/2018 19:42	WG1085895
Carbon disulfide	U		0.000254	0.00115	1	03/17/2018 19:42	WG1085895
Carbon tetrachloride	U		0.000377	0.00115	1	03/17/2018 19:42	WG1085895
Chlorobenzene	U		0.000244	0.00115	1	03/17/2018 19:42	WG1085895
Chlorodibromomethane	U		0.000429	0.00115	1	03/17/2018 19:42	WG1085895
Chloroethane	U		0.00109	0.00575	1	03/17/2018 19:42	WG1085895
Chloroform	U		0.000263	0.00575	1	03/17/2018 19:42	WG1085895
Chloromethane	U		0.000431	0.00287	1	03/17/2018 19:42	WG1085895
2-Chlorotoluene	U		0.000346	0.00115	1	03/17/2018 19:42	WG1085895
4-Chlorotoluene	U		0.000276	0.00115	1	03/17/2018 19:42	WG1085895
1,2-Dibromo-3-Chloropropane	U		0.00121	0.00575	1	03/17/2018 19:42	WG1085895
1,2-Dibromoethane	U		0.000394	0.00115	1	03/17/2018 19:42	WG1085895
Dibromomethane	U		0.000439	0.00115	1	03/17/2018 19:42	WG1085895
1,2-Dichlorobenzene	U		0.000351	0.00115	1	03/17/2018 19:42	WG1085895
1,3-Dichlorobenzene	U		0.000275	0.00115	1	03/17/2018 19:42	WG1085895
1,4-Dichlorobenzene	U		0.000260	0.00115	1	03/17/2018 19:42	WG1085895
Dichlorodifluoromethane	U		0.000819	0.00575	1	03/17/2018 19:42	WG1085895
1,1-Dichloroethane	U		0.000229	0.00115	1	03/17/2018 19:42	WG1085895
1,2-Dichloroethane	U		0.000305	0.00115	1	03/17/2018 19:42	WG1085895
1,1-Dichloroethene	U		0.000348	0.00115	1	03/17/2018 19:42	WG1085895
cis-1,2-Dichloroethene	0.000953	J	0.000270	0.00115	1	03/21/2018 13:26	WG1085895
trans-1,2-Dichloroethene	U		0.000303	0.00115	1	03/17/2018 19:42	WG1085895
1,2-Dichloropropane	U		0.000411	0.00115	1	03/17/2018 19:42	WG1085895
1,1-Dichloropropene	U		0.000364	0.00115	1	03/17/2018 19:42	WG1085895
1,3-Dichloropropane	U		0.000238	0.00115	1	03/17/2018 19:42	WG1085895
cis-1,3-Dichloropropene	U		0.000301	0.00115	1	03/17/2018 19:42	WG1085895
trans-1,3-Dichloropropene	U		0.000307	0.00115	1	03/17/2018 19:42	WG1085895
trans-1,4-Dichloro-2-butene	U		0.000894	0.00287	1	03/17/2018 19:42	WG1085895
2,2-Dichloropropane	U		0.000321	0.00115	1	03/17/2018 19:42	WG1085895
Di-isopropyl ether	U		0.000285	0.00115	1	03/17/2018 19:42	WG1085895
Ethylbenzene	U		0.000341	0.00115	1	03/17/2018 19:42	WG1085895
Hexachloro-1,3-butadiene	U		0.000393	0.00115	1	03/17/2018 19:42	WG1085895
2-Hexanone	U		0.00157	0.0115	1	03/17/2018 19:42	WG1085895
n-Hexane	U		0.000333	0.0115	1	03/17/2018 19:42	WG1085895
Iodomethane	U		0.00291	0.0115	1	03/17/2018 19:42	WG1085895
Isopropylbenzene	U		0.000279	0.00115	1	03/17/2018 19:42	WG1085895
p-Isopropyltoluene	U		0.000234	0.00115	1	03/17/2018 19:42	WG1085895
2-Butanone (MEK)	U		0.00538	0.0115	1	03/17/2018 19:42	WG1085895
Methylene Chloride	U		0.00115	0.00575	1	03/17/2018 19:42	WG1085895
4-Methyl-2-pentanone (MIBK)	U		0.00216	0.0115	1	03/17/2018 19:42	WG1085895

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000244	0.00115	1	03/17/2018 19:42	WG1085895
Naphthalene	U		0.00115	0.00575	1	03/17/2018 19:42	WG1085895
n-Propylbenzene	U		0.000237	0.00115	1	03/17/2018 19:42	WG1085895
Styrene	U		0.000269	0.00115	1	03/17/2018 19:42	WG1085895
1,1,1,2-Tetrachloroethane	U		0.000303	0.00115	1	03/17/2018 19:42	WG1085895
1,1,2,2-Tetrachloroethane	U		0.000419	0.00115	1	03/17/2018 19:42	WG1085895
1,1,2-Trichlorotrifluoroethane	U		0.000419	0.00115	1	03/17/2018 19:42	WG1085895
Tetrachloroethene	0.00241		0.000317	0.00115	1	03/21/2018 13:26	WG1085895
Toluene	U		0.000499	0.00575	1	03/17/2018 19:42	WG1085895
1,2,3-Trichlorobenzene	U		0.000352	0.00115	1	03/17/2018 19:42	WG1085895
1,2,4-Trichlorobenzene	U		0.000446	0.00115	1	03/17/2018 19:42	WG1085895
1,1,1-Trichloroethane	U		0.000329	0.00115	1	03/17/2018 19:42	WG1085895
1,1,2-Trichloroethane	U		0.000318	0.00115	1	03/17/2018 19:42	WG1085895
Trichloroethene	0.00116		0.000321	0.00115	1	03/17/2018 19:42	WG1085895
Trichlorofluoromethane	U		0.000439	0.00575	1	03/17/2018 19:42	WG1085895
1,2,3-Trichloropropane	U		0.000852	0.00287	1	03/17/2018 19:42	WG1085895
1,2,4-Trimethylbenzene	U		0.000242	0.00115	1	03/17/2018 19:42	WG1085895
1,2,3-Trimethylbenzene	U		0.000330	0.00115	1	03/17/2018 19:42	WG1085895
1,3,5-Trimethylbenzene	U		0.000306	0.00115	1	03/17/2018 19:42	WG1085895
Vinyl acetate	U		0.00275	0.0115	1	03/17/2018 19:42	WG1085895
Vinyl chloride	U		0.000334	0.00115	1	03/21/2018 13:26	WG1085895
Xylenes, Total	U		0.000802	0.00345	1	03/17/2018 19:42	WG1085895
(S) Toluene-d8	*96.2*			*80.0-120*		*03/17/2018 19:42*	WG1085895
(S) Toluene-d8	*99.0*			*80.0-120*		*03/21/2018 13:26*	WG1085895
(S) Dibromofluoromethane	*108*			*74.0-131*		*03/17/2018 19:42*	WG1085895
(S) Dibromofluoromethane	*104*			*74.0-131*		*03/21/2018 13:26*	WG1085895
(S) 4-Bromofluorobenzene	*92.7*			*64.0-132*		*03/17/2018 19:42*	WG1085895
(S) 4-Bromofluorobenzene	*92.2*			*64.0-132*		*03/21/2018 13:26*	WG1085895

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	83.1		1	03/20/2018 10:59	WG1086139

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0120	0.0601	1	03/17/2018 20:01	WG1085895
Acrylonitrile	U		0.00215	0.0120	1	03/17/2018 20:01	WG1085895
Benzene	U		0.000325	0.00120	1	03/17/2018 20:01	WG1085895
Bromobenzene	U		0.000342	0.00120	1	03/17/2018 20:01	WG1085895
Bromodichloromethane	U		0.000306	0.00120	1	03/17/2018 20:01	WG1085895
Bromochloromethane	U		0.000469	0.00601	1	03/17/2018 20:01	WG1085895
Bromoform	U		0.000510	0.00120	1	03/17/2018 20:01	WG1085895
Bromomethane	U		0.00161	0.00601	1	03/17/2018 20:01	WG1085895
n-Butylbenzene	U		0.000310	0.00120	1	03/17/2018 20:01	WG1085895
sec-Butylbenzene	U		0.000242	0.00120	1	03/17/2018 20:01	WG1085895
tert-Butylbenzene	U		0.000248	0.00120	1	03/17/2018 20:01	WG1085895
Carbon disulfide	0.000969	J	0.000266	0.00120	1	03/17/2018 20:01	WG1085895
Carbon tetrachloride	U		0.000395	0.00120	1	03/17/2018 20:01	WG1085895
Chlorobenzene	U		0.000255	0.00120	1	03/17/2018 20:01	WG1085895
Chlorodibromomethane	U		0.000449	0.00120	1	03/17/2018 20:01	WG1085895
Chloroethane	U		0.00114	0.00601	1	03/17/2018 20:01	WG1085895
Chloroform	0.00114	J	0.000275	0.00601	1	03/17/2018 20:01	WG1085895
Chloromethane	U		0.000451	0.00301	1	03/17/2018 20:01	WG1085895
2-Chlorotoluene	U		0.000362	0.00120	1	03/17/2018 20:01	WG1085895
4-Chlorotoluene	U		0.000289	0.00120	1	03/17/2018 20:01	WG1085895
1,2-Dibromo-3-Chloropropane	U		0.00126	0.00601	1	03/17/2018 20:01	WG1085895
1,2-Dibromoethane	U		0.000413	0.00120	1	03/17/2018 20:01	WG1085895
Dibromomethane	U		0.000459	0.00120	1	03/17/2018 20:01	WG1085895
1,2-Dichlorobenzene	U		0.000367	0.00120	1	03/17/2018 20:01	WG1085895
1,3-Dichlorobenzene	U		0.000287	0.00120	1	03/17/2018 20:01	WG1085895
1,4-Dichlorobenzene	U		0.000272	0.00120	1	03/17/2018 20:01	WG1085895
Dichlorodifluoromethane	U		0.000858	0.00601	1	03/17/2018 20:01	WG1085895
1,1-Dichloroethane	U		0.000239	0.00120	1	03/17/2018 20:01	WG1085895
1,2-Dichloroethane	U		0.000319	0.00120	1	03/17/2018 20:01	WG1085895
1,1-Dichloroethene	U		0.000364	0.00120	1	03/17/2018 20:01	WG1085895
cis-1,2-Dichloroethene	0.00329		0.000283	0.00120	1	03/17/2018 20:01	WG1085895
trans-1,2-Dichloroethene	U		0.000318	0.00120	1	03/17/2018 20:01	WG1085895
1,2-Dichloropropane	U		0.000431	0.00120	1	03/17/2018 20:01	WG1085895
1,1-Dichloropropene	U		0.000381	0.00120	1	03/17/2018 20:01	WG1085895
1,3-Dichloropropane	U		0.000249	0.00120	1	03/17/2018 20:01	WG1085895
cis-1,3-Dichloropropene	U		0.000315	0.00120	1	03/17/2018 20:01	WG1085895
trans-1,3-Dichloropropene	U		0.000321	0.00120	1	03/17/2018 20:01	WG1085895
trans-1,4-Dichloro-2-butene	U		0.000936	0.00301	1	03/17/2018 20:01	WG1085895
2,2-Dichloropropane	U		0.000336	0.00120	1	03/17/2018 20:01	WG1085895
Di-isopropyl ether	U		0.000298	0.00120	1	03/17/2018 20:01	WG1085895
Ethylbenzene	U		0.000357	0.00120	1	03/17/2018 20:01	WG1085895
Hexachloro-1,3-butadiene	U		0.000411	0.00120	1	03/17/2018 20:01	WG1085895
2-Hexanone	U		0.00165	0.0120	1	03/17/2018 20:01	WG1085895
n-Hexane	U		0.000349	0.0120	1	03/17/2018 20:01	WG1085895
Iodomethane	U		0.00304	0.0120	1	03/17/2018 20:01	WG1085895
Isopropylbenzene	U		0.000292	0.00120	1	03/17/2018 20:01	WG1085895
p-Isopropyltoluene	U		0.000245	0.00120	1	03/17/2018 20:01	WG1085895
2-Butanone (MEK)	U		0.00563	0.0120	1	03/17/2018 20:01	WG1085895
Methylene Chloride	U		0.00120	0.00601	1	03/17/2018 20:01	WG1085895
4-Methyl-2-pentanone (MIBK)	U		0.00226	0.0120	1	03/17/2018 20:01	WG1085895

IW-1C-75
Collected date/time: 03/07/18 14:40

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000255	0.00120	1	03/17/2018 20:01	WG1085895
Naphthalene	U		0.00120	0.00601	1	03/17/2018 20:01	WG1085895
n-Propylbenzene	U		0.000248	0.00120	1	03/17/2018 20:01	WG1085895
Styrene	U		0.000281	0.00120	1	03/17/2018 20:01	WG1085895
1,1,1,2-Tetrachloroethane	U		0.000318	0.00120	1	03/17/2018 20:01	WG1085895
1,1,2,2-Tetrachloroethane	U		0.000439	0.00120	1	03/17/2018 20:01	WG1085895
1,1,2-Trichlorotrifluoroethane	U		0.000439	0.00120	1	03/17/2018 20:01	WG1085895
Tetrachloroethene	0.00735		0.000332	0.00120	1	03/21/2018 13:47	WG1085895
Toluene	0.000696	J	0.000522	0.00601	1	03/17/2018 20:01	WG1085895
1,2,3-Trichlorobenzene	U		0.000368	0.00120	1	03/17/2018 20:01	WG1085895
1,2,4-Trichlorobenzene	U		0.000467	0.00120	1	03/17/2018 20:01	WG1085895
1,1,1-Trichloroethane	U		0.000344	0.00120	1	03/17/2018 20:01	WG1085895
1,1,2-Trichloroethane	U		0.000333	0.00120	1	03/17/2018 20:01	WG1085895
Trichloroethene	0.00116	J	0.000336	0.00120	1	03/17/2018 20:01	WG1085895
Trichlorofluoromethane	U		0.000459	0.00601	1	03/17/2018 20:01	WG1085895
1,2,3-Trichloropropane	U		0.000891	0.00301	1	03/17/2018 20:01	WG1085895
1,2,4-Trimethylbenzene	U		0.000254	0.00120	1	03/17/2018 20:01	WG1085895
1,2,3-Trimethylbenzene	U		0.000345	0.00120	1	03/17/2018 20:01	WG1085895
1,3,5-Trimethylbenzene	U		0.000320	0.00120	1	03/17/2018 20:01	WG1085895
Vinyl acetate	U		0.00287	0.0120	1	03/17/2018 20:01	WG1085895
Vinyl chloride	0.00172		0.000350	0.00120	1	03/17/2018 20:01	WG1085895
Xylenes, Total	U		0.000840	0.00361	1	03/17/2018 20:01	WG1085895
(S) Toluene-d8	*97.5*			*80.0-120*		*03/17/2018 20:01*	WG1085895
(S) Toluene-d8	*97.5*			*80.0-120*		*03/21/2018 13:47*	WG1085895
(S) Dibromofluoromethane	*107*			*74.0-131*		*03/17/2018 20:01*	WG1085895
(S) Dibromofluoromethane	*102*			*74.0-131*		*03/21/2018 13:47*	WG1085895
(S) 4-Bromofluorobenzene	*88.7*			*64.0-132*		*03/21/2018 13:47*	WG1085895
(S) 4-Bromofluorobenzene	*92.0*			*64.0-132*		*03/17/2018 20:01*	WG1085895

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	91.4		1	03/20/2018 10:59	WG1086139

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0109	0.0547	1	03/17/2018 20:21	WG1085895
Acrylonitrile	U		0.00196	0.0109	1	03/17/2018 20:21	WG1085895
Benzene	U		0.000295	0.00109	1	03/17/2018 20:21	WG1085895
Bromobenzene	U		0.000311	0.00109	1	03/17/2018 20:21	WG1085895
Bromodichloromethane	U		0.000278	0.00109	1	03/17/2018 20:21	WG1085895
Bromochloromethane	U		0.000426	0.00547	1	03/17/2018 20:21	WG1085895
Bromoform	U		0.000464	0.00109	1	03/17/2018 20:21	WG1085895
Bromomethane	U		0.00147	0.00547	1	03/17/2018 20:21	WG1085895
n-Butylbenzene	U		0.000282	0.00109	1	03/17/2018 20:21	WG1085895
sec-Butylbenzene	U		0.000220	0.00109	1	03/17/2018 20:21	WG1085895
tert-Butylbenzene	U		0.000225	0.00109	1	03/17/2018 20:21	WG1085895
Carbon disulfide	U		0.000242	0.00109	1	03/17/2018 20:21	WG1085895
Carbon tetrachloride	U		0.000359	0.00109	1	03/17/2018 20:21	WG1085895
Chlorobenzene	U		0.000232	0.00109	1	03/17/2018 20:21	WG1085895
Chlorodibromomethane	U		0.000408	0.00109	1	03/17/2018 20:21	WG1085895
Chloroethane	U		0.00103	0.00547	1	03/17/2018 20:21	WG1085895
Chloroform	U		0.000250	0.00547	1	03/17/2018 20:21	WG1085895
Chloromethane	U		0.000410	0.00273	1	03/17/2018 20:21	WG1085895
2-Chlorotoluene	U		0.000329	0.00109	1	03/17/2018 20:21	WG1085895
4-Chlorotoluene	U		0.000262	0.00109	1	03/17/2018 20:21	WG1085895
1,2-Dibromo-3-Chloropropane	U		0.00115	0.00547	1	03/17/2018 20:21	WG1085895
1,2-Dibromoethane	U		0.000375	0.00109	1	03/17/2018 20:21	WG1085895
Dibromomethane	U		0.000418	0.00109	1	03/17/2018 20:21	WG1085895
1,2-Dichlorobenzene	U		0.000334	0.00109	1	03/17/2018 20:21	WG1085895
1,3-Dichlorobenzene	U		0.000261	0.00109	1	03/17/2018 20:21	WG1085895
1,4-Dichlorobenzene	U		0.000247	0.00109	1	03/17/2018 20:21	WG1085895
Dichlorodifluoromethane	U		0.000780	0.00547	1	03/17/2018 20:21	WG1085895
1,1-Dichloroethane	U		0.000218	0.00109	1	03/17/2018 20:21	WG1085895
1,2-Dichloroethane	U		0.000290	0.00109	1	03/17/2018 20:21	WG1085895
1,1-Dichloroethene	U		0.000331	0.00109	1	03/17/2018 20:21	WG1085895
cis-1,2-Dichloroethene	0.000620	J	0.000257	0.00109	1	03/17/2018 20:21	WG1085895
trans-1,2-Dichloroethene	U		0.000289	0.00109	1	03/17/2018 20:21	WG1085895
1,2-Dichloropropane	U		0.000391	0.00109	1	03/17/2018 20:21	WG1085895
1,1-Dichloropropene	U		0.000347	0.00109	1	03/17/2018 20:21	WG1085895
1,3-Dichloropropane	U		0.000226	0.00109	1	03/17/2018 20:21	WG1085895
cis-1,3-Dichloropropene	U		0.000286	0.00109	1	03/17/2018 20:21	WG1085895
trans-1,3-Dichloropropene	U		0.000292	0.00109	1	03/17/2018 20:21	WG1085895
trans-1,4-Dichloro-2-butene	U		0.000851	0.00273	1	03/17/2018 20:21	WG1085895
2,2-Dichloropropane	U		0.000305	0.00109	1	03/17/2018 20:21	WG1085895
Di-isopropyl ether	U		0.000271	0.00109	1	03/17/2018 20:21	WG1085895
Ethylbenzene	U		0.000325	0.00109	1	03/17/2018 20:21	WG1085895
Hexachloro-1,3-butadiene	U		0.000374	0.00109	1	03/17/2018 20:21	WG1085895
2-Hexanone	U		0.00150	0.0109	1	03/17/2018 20:21	WG1085895
n-Hexane	U		0.000317	0.0109	1	03/17/2018 20:21	WG1085895
Iodomethane	U		0.00277	0.0109	1	03/17/2018 20:21	WG1085895
Isopropylbenzene	U		0.000266	0.00109	1	03/17/2018 20:21	WG1085895
p-Isopropyltoluene	U		0.000223	0.00109	1	03/17/2018 20:21	WG1085895
2-Butanone (MEK)	U		0.00512	0.0109	1	03/17/2018 20:21	WG1085895
Methylene Chloride	U		0.00109	0.00547	1	03/17/2018 20:21	WG1085895
4-Methyl-2-pentanone (MIBK)	U		0.00206	0.0109	1	03/17/2018 20:21	WG1085895

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000232	0.00109	1	03/17/2018 20:21	WG1085895
Naphthalene	U		0.00109	0.00547	1	03/17/2018 20:21	WG1085895
n-Propylbenzene	U		0.000225	0.00109	1	03/17/2018 20:21	WG1085895
Styrene	U		0.000256	0.00109	1	03/17/2018 20:21	WG1085895
1,1,1,2-Tetrachloroethane	U		0.000289	0.00109	1	03/17/2018 20:21	WG1085895
1,1,2,2-Tetrachloroethane	U		0.000399	0.00109	1	03/17/2018 20:21	WG1085895
1,1,2-Trichlorotrifluoroethane	U		0.000399	0.00109	1	03/17/2018 20:21	WG1085895
Tetrachloroethene	0.0323		0.000302	0.00109	1	03/17/2018 20:21	WG1085895
Toluene	U		0.000475	0.00547	1	03/17/2018 20:21	WG1085895
1,2,3-Trichlorobenzene	U		0.000335	0.00109	1	03/17/2018 20:21	WG1085895
1,2,4-Trichlorobenzene	U		0.000424	0.00109	1	03/17/2018 20:21	WG1085895
1,1,1-Trichloroethane	U		0.000313	0.00109	1	03/17/2018 20:21	WG1085895
1,1,2-Trichloroethane	U		0.000303	0.00109	1	03/17/2018 20:21	WG1085895
Trichloroethene	0.00162		0.000305	0.00109	1	03/17/2018 20:21	WG1085895
Trichlorofluoromethane	U		0.000418	0.00547	1	03/17/2018 20:21	WG1085895
1,2,3-Trichloropropane	U		0.000810	0.00273	1	03/17/2018 20:21	WG1085895
1,2,4-Trimethylbenzene	U		0.000231	0.00109	1	03/17/2018 20:21	WG1085895
1,2,3-Trimethylbenzene	U		0.000314	0.00109	1	03/17/2018 20:21	WG1085895
1,3,5-Trimethylbenzene	U		0.000291	0.00109	1	03/17/2018 20:21	WG1085895
Vinyl acetate	U		0.00261	0.0109	1	03/17/2018 20:21	WG1085895
Vinyl chloride	U		0.000318	0.00109	1	03/17/2018 20:21	WG1085895
Xylenes, Total	U		0.000763	0.00328	1	03/17/2018 20:21	WG1085895
(S) Toluene-d8	*98.0*			*80.0-120*		*03/17/2018 20:21*	WG1085895
(S) Dibromofluoromethane	*103*			*74.0-131*		*03/17/2018 20:21*	WG1085895
(S) 4-Bromofluorobenzene	*92.6*			*64.0-132*		*03/17/2018 20:21*	WG1085895

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	86.3		1	03/20/2018 10:59	WG1086139

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.290	1.45	25	03/17/2018 20:40	WG1085895
Acrylonitrile	U		0.0519	0.290	25	03/17/2018 20:40	WG1085895
Benzene	U		0.00782	0.0290	25	03/17/2018 20:40	WG1085895
Bromobenzene	U		0.00823	0.0290	25	03/17/2018 20:40	WG1085895
Bromodichloromethane	U		0.00736	0.0290	25	03/17/2018 20:40	WG1085895
Bromochloromethane	U		0.0113	0.145	25	03/17/2018 20:40	WG1085895
Bromoform	U		0.0123	0.0290	25	03/17/2018 20:40	WG1085895
Bromomethane	U		0.0388	0.145	25	03/17/2018 20:40	WG1085895
n-Butylbenzene	U		0.00748	0.0290	25	03/17/2018 20:40	WG1085895
sec-Butylbenzene	U		0.00582	0.0290	25	03/17/2018 20:40	WG1085895
tert-Butylbenzene	U		0.00597	0.0290	25	03/17/2018 20:40	WG1085895
Carbon disulfide	U	J6	0.00640	0.0290	25	03/17/2018 20:40	WG1085895
Carbon tetrachloride	U		0.00950	0.0290	25	03/17/2018 20:40	WG1085895
Chlorobenzene	U		0.00614	0.0290	25	03/17/2018 20:40	WG1085895
Chlorodibromomethane	U		0.0108	0.0290	25	03/17/2018 20:40	WG1085895
Chloroethane	U		0.0274	0.145	25	03/17/2018 20:40	WG1085895
Chloroform	U		0.00663	0.145	25	03/17/2018 20:40	WG1085895
Chloromethane	U		0.0109	0.0724	25	03/17/2018 20:40	WG1085895
2-Chlorotoluene	U		0.00872	0.0290	25	03/17/2018 20:40	WG1085895
4-Chlorotoluene	U		0.00695	0.0290	25	03/17/2018 20:40	WG1085895
1,2-Dibromo-3-Chloropropane	U		0.0304	0.145	25	03/17/2018 20:40	WG1085895
1,2-Dibromoethane	U		0.00994	0.0290	25	03/17/2018 20:40	WG1085895
Dibromomethane	U		0.0111	0.0290	25	03/17/2018 20:40	WG1085895
1,2-Dichlorobenzene	U		0.00883	0.0290	25	03/17/2018 20:40	WG1085895
1,3-Dichlorobenzene	U		0.00693	0.0290	25	03/17/2018 20:40	WG1085895
1,4-Dichlorobenzene	U		0.00655	0.0290	25	03/17/2018 20:40	WG1085895
Dichlorodifluoromethane	U		0.0206	0.145	25	03/17/2018 20:40	WG1085895
1,1-Dichloroethane	U		0.00577	0.0290	25	03/17/2018 20:40	WG1085895
1,2-Dichloroethane	U		0.00767	0.0290	25	03/17/2018 20:40	WG1085895
1,1-Dichloroethene	U		0.00878	0.0290	25	03/17/2018 20:40	WG1085895
cis-1,2-Dichloroethene	0.422		0.00681	0.0290	25	03/17/2018 20:40	WG1085895
trans-1,2-Dichloroethene	U		0.00765	0.0290	25	03/17/2018 20:40	WG1085895
1,2-Dichloropropane	U		0.0104	0.0290	25	03/17/2018 20:40	WG1085895
1,1-Dichloropropene	U		0.00918	0.0290	25	03/17/2018 20:40	WG1085895
1,3-Dichloropropane	U		0.00600	0.0290	25	03/17/2018 20:40	WG1085895
cis-1,3-Dichloropropene	U		0.00759	0.0290	25	03/17/2018 20:40	WG1085895
trans-1,3-Dichloropropene	U		0.00774	0.0290	25	03/17/2018 20:40	WG1085895
trans-1,4-Dichloro-2-butene	U		0.0225	0.0724	25	03/17/2018 20:40	WG1085895
2,2-Dichloropropane	U		0.00809	0.0290	25	03/17/2018 20:40	WG1085895
Di-isopropyl ether	U		0.00719	0.0290	25	03/17/2018 20:40	WG1085895
Ethylbenzene	U		0.00860	0.0290	25	03/17/2018 20:40	WG1085895
Hexachloro-1,3-butadiene	U		0.00991	0.0290	25	03/17/2018 20:40	WG1085895
2-Hexanone	U		0.0396	0.290	25	03/17/2018 20:40	WG1085895
n-Hexane	U	J6	0.00840	0.290	25	03/17/2018 20:40	WG1085895
Iodomethane	U		0.0732	0.290	25	03/17/2018 20:40	WG1085895
Isopropylbenzene	U		0.00705	0.0290	25	03/17/2018 20:40	WG1085895
p-Isopropyltoluene	U		0.00591	0.0290	25	03/17/2018 20:40	WG1085895
2-Butanone (MEK)	U		0.136	0.290	25	03/17/2018 20:40	WG1085895
Methylene Chloride	U		0.0290	0.145	25	03/17/2018 20:40	WG1085895
4-Methyl-2-pentanone (MIBK)	U		0.0545	0.290	25	03/17/2018 20:40	WG1085895

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	0.0700	J0	0.00614	0.0290	25	03/17/2018 20:40	WG1085895
Naphthalene	U		0.0290	0.145	25	03/17/2018 20:40	WG1085895
n-Propylbenzene	U		0.00597	0.0290	25	03/17/2018 20:40	WG1085895
Styrene	U		0.00678	0.0290	25	03/17/2018 20:40	WG1085895
1,1,1,2-Tetrachloroethane	U		0.00765	0.0290	25	03/17/2018 20:40	WG1085895
1,1,2,2-Tetrachloroethane	U		0.0106	0.0290	25	03/17/2018 20:40	WG1085895
1,1,2-Trichlorotrifluoroethane	U		0.0106	0.0290	25	03/17/2018 20:40	WG1085895
Tetrachloroethene	1.36		0.00800	0.0290	25	03/17/2018 20:40	WG1085895
Toluene	U		0.0125	0.145	25	03/17/2018 20:40	WG1085895
1,2,3-Trichlorobenzene	U		0.00887	0.0290	25	03/17/2018 20:40	WG1085895
1,2,4-Trichlorobenzene	U		0.0112	0.0290	25	03/17/2018 20:40	WG1085895
1,1,1-Trichloroethane	U		0.00829	0.0290	25	03/17/2018 20:40	WG1085895
1,1,2-Trichloroethane	U		0.00802	0.0290	25	03/17/2018 20:40	WG1085895
Trichloroethene	0.0812		0.00809	0.0290	25	03/17/2018 20:40	WG1085895
Trichlorofluoromethane	U		0.0111	0.145	25	03/17/2018 20:40	WG1085895
1,2,3-Trichloropropane	U		0.0214	0.0724	25	03/17/2018 20:40	WG1085895
1,2,4-Trimethylbenzene	U		0.00612	0.0290	25	03/17/2018 20:40	WG1085895
1,2,3-Trimethylbenzene	U		0.00832	0.0290	25	03/17/2018 20:40	WG1085895
1,3,5-Trimethylbenzene	U		0.00771	0.0290	25	03/17/2018 20:40	WG1085895
Vinyl acetate	U		0.0693	0.290	25	03/17/2018 20:40	WG1085895
Vinyl chloride	0.00964	J	0.00844	0.0290	25	03/17/2018 20:40	WG1085895
Xylenes, Total	U		0.0202	0.0869	25	03/17/2018 20:40	WG1085895
(S) Toluene-d8	*110*			*80.0-120*		*03/17/2018 20:40*	WG1085895
(S) Dibromofluoromethane	*98.2*			*74.0-131*		*03/17/2018 20:40*	WG1085895
(S) 4-Bromofluorobenzene	*91.4*			*64.0-132*		*03/17/2018 20:40*	WG1085895

Sample Narrative:

L977245-18 WG1085895: Cannot be analyzed at a lower dilution due to high levels of target analytes.

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	84.7		1	03/20/2018 10:08	WG1086140

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		5.90	29.5	500	03/17/2018 21:39	WG1085895
Acrylonitrile	U		1.06	5.90	500	03/17/2018 21:39	WG1085895
Benzene	U		0.159	0.590	500	03/17/2018 21:39	WG1085895
Bromobenzene	U		0.168	0.590	500	03/17/2018 21:39	WG1085895
Bromodichloromethane	U		0.150	0.590	500	03/17/2018 21:39	WG1085895
Bromochloromethane	U		0.230	2.95	500	03/17/2018 21:39	WG1085895
Bromoform	U		0.250	0.590	500	03/17/2018 21:39	WG1085895
Bromomethane	U		0.791	2.95	500	03/17/2018 21:39	WG1085895
n-Butylbenzene	U		0.152	0.590	500	03/17/2018 21:39	WG1085895
sec-Butylbenzene	U		0.118	0.590	500	03/17/2018 21:39	WG1085895
tert-Butylbenzene	U		0.122	0.590	500	03/17/2018 21:39	WG1085895
Carbon disulfide	U		0.130	0.590	500	03/17/2018 21:39	WG1085895
Carbon tetrachloride	U		0.194	0.590	500	03/17/2018 21:39	WG1085895
Chlorobenzene	U		0.125	0.590	500	03/17/2018 21:39	WG1085895
Chlorodibromomethane	U		0.220	0.590	500	03/17/2018 21:39	WG1085895
Chloroethane	U		0.558	2.95	500	03/17/2018 21:39	WG1085895
Chloroform	U		0.135	2.95	500	03/17/2018 21:39	WG1085895
Chloromethane	U		0.222	1.48	500	03/17/2018 21:39	WG1085895
2-Chlorotoluene	U		0.177	0.590	500	03/17/2018 21:39	WG1085895
4-Chlorotoluene	U		0.142	0.590	500	03/17/2018 21:39	WG1085895
1,2-Dibromo-3-Chloropropane	U		0.620	2.95	500	03/17/2018 21:39	WG1085895
1,2-Dibromoethane	U		0.203	0.590	500	03/17/2018 21:39	WG1085895
Dibromomethane	U		0.225	0.590	500	03/17/2018 21:39	WG1085895
1,2-Dichlorobenzene	U		0.179	0.590	500	03/17/2018 21:39	WG1085895
1,3-Dichlorobenzene	U		0.142	0.590	500	03/17/2018 21:39	WG1085895
1,4-Dichlorobenzene	U		0.133	0.590	500	03/17/2018 21:39	WG1085895
Dichlorodifluoromethane	U		0.420	2.95	500	03/17/2018 21:39	WG1085895
1,1-Dichloroethane	U		0.117	0.590	500	03/17/2018 21:39	WG1085895
1,2-Dichloroethane	U		0.156	0.590	500	03/17/2018 21:39	WG1085895
1,1-Dichloroethene	U		0.179	0.590	500	03/17/2018 21:39	WG1085895
cis-1,2-Dichloroethene	0.968		0.139	0.590	500	03/17/2018 21:39	WG1085895
trans-1,2-Dichloroethene	U		0.156	0.590	500	03/17/2018 21:39	WG1085895
1,2-Dichloropropane	U		0.211	0.590	500	03/17/2018 21:39	WG1085895
1,1-Dichloropropene	U		0.187	0.590	500	03/17/2018 21:39	WG1085895
1,3-Dichloropropane	U		0.123	0.590	500	03/17/2018 21:39	WG1085895
cis-1,3-Dichloropropene	U		0.155	0.590	500	03/17/2018 21:39	WG1085895
trans-1,3-Dichloropropene	U		0.158	0.590	500	03/17/2018 21:39	WG1085895
trans-1,4-Dichloro-2-butene	U		0.459	1.48	500	03/17/2018 21:39	WG1085895
2,2-Dichloropropane	U		0.165	0.590	500	03/17/2018 21:39	WG1085895
Di-isopropyl ether	U		0.146	0.590	500	03/17/2018 21:39	WG1085895
Ethylbenzene	U		0.175	0.590	500	03/17/2018 21:39	WG1085895
Hexachloro-1,3-butadiene	U		0.202	0.590	500	03/17/2018 21:39	WG1085895
2-Hexanone	U		0.809	5.90	500	03/17/2018 21:39	WG1085895
n-Hexane	U		0.171	5.90	500	03/17/2018 21:39	WG1085895
Iodomethane	U		1.49	5.90	500	03/17/2018 21:39	WG1085895
Isopropylbenzene	U		0.144	0.590	500	03/17/2018 21:39	WG1085895
p-Isopropyltoluene	U		0.120	0.590	500	03/17/2018 21:39	WG1085895
2-Butanone (MEK)	U		2.76	5.90	500	03/17/2018 21:39	WG1085895
Methylene Chloride	U		0.590	2.95	500	03/17/2018 21:39	WG1085895
4-Methyl-2-pentanone (MIBK)	U		1.11	5.90	500	03/17/2018 21:39	WG1085895

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	0.325	J J0	0.125	0.590	500	03/17/2018 21:39	WG1085895
Naphthalene	U		0.590	2.95	500	03/17/2018 21:39	WG1085895
n-Propylbenzene	U		0.122	0.590	500	03/17/2018 21:39	WG1085895
Styrene	U		0.138	0.590	500	03/17/2018 21:39	WG1085895
1,1,1,2-Tetrachloroethane	U		0.156	0.590	500	03/17/2018 21:39	WG1085895
1,1,2,2-Tetrachloroethane	U		0.215	0.590	500	03/17/2018 21:39	WG1085895
1,1,2-Trichlorotrifluoroethane	U		0.215	0.590	500	03/17/2018 21:39	WG1085895
Tetrachloroethene	19.0		0.163	0.590	500	03/17/2018 21:39	WG1085895
Toluene	U		0.256	2.95	500	03/17/2018 21:39	WG1085895
1,2,3-Trichlorobenzene	U		0.181	0.590	500	03/17/2018 21:39	WG1085895
1,2,4-Trichlorobenzene	U		0.229	0.590	500	03/17/2018 21:39	WG1085895
1,1,1-Trichloroethane	U		0.169	0.590	500	03/17/2018 21:39	WG1085895
1,1,2-Trichloroethane	U		0.163	0.590	500	03/17/2018 21:39	WG1085895
Trichloroethene	0.774		0.165	0.590	500	03/17/2018 21:39	WG1085895
Trichlorofluoromethane	U		0.225	2.95	500	03/17/2018 21:39	WG1085895
1,2,3-Trichloropropane	U		0.437	1.48	500	03/17/2018 21:39	WG1085895
1,2,4-Trimethylbenzene	U		0.125	0.590	500	03/17/2018 21:39	WG1085895
1,2,3-Trimethylbenzene	U		0.170	0.590	500	03/17/2018 21:39	WG1085895
1,3,5-Trimethylbenzene	U		0.157	0.590	500	03/17/2018 21:39	WG1085895
Vinyl acetate	U		1.42	5.90	500	03/17/2018 21:39	WG1085895
Vinyl chloride	U		0.172	0.590	500	03/17/2018 21:39	WG1085895
Xylenes, Total	U		0.412	1.77	500	03/17/2018 21:39	WG1085895
(S) Toluene-d8	*108*			*80.0-120*		*03/17/2018 21:39*	WG1085895
(S) Dibromofluoromethane	*101*			*74.0-131*		*03/17/2018 21:39*	WG1085895
(S) 4-Bromofluorobenzene	*90.7*			*64.0-132*		*03/17/2018 21:39*	WG1085895

Sample Narrative:

L977245-19 WG1085895: Cannot be analyzed at a lower dilution due to high levels of target analytes.

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	90.0		1	03/20/2018 10:08	WG1086140

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		2.22	11.1	200	03/17/2018 21:19	WG1085895
Acrylonitrile	U		0.398	2.22	200	03/17/2018 21:19	WG1085895
Benzene	U		0.0600	0.222	200	03/17/2018 21:19	WG1085895
Bromobenzene	U		0.0631	0.222	200	03/17/2018 21:19	WG1085895
Bromodichloromethane	U		0.0565	0.222	200	03/17/2018 21:19	WG1085895
Bromochloromethane	U		0.0867	1.11	200	03/17/2018 21:19	WG1085895
Bromoform	U		0.0942	0.222	200	03/17/2018 21:19	WG1085895
Bromomethane	U		0.298	1.11	200	03/17/2018 21:19	WG1085895
n-Butylbenzene	U		0.0573	0.222	200	03/17/2018 21:19	WG1085895
sec-Butylbenzene	U		0.0447	0.222	200	03/17/2018 21:19	WG1085895
tert-Butylbenzene	U		0.0458	0.222	200	03/17/2018 21:19	WG1085895
Carbon disulfide	U		0.0491	0.222	200	03/17/2018 21:19	WG1085895
Carbon tetrachloride	U		0.0729	0.222	200	03/17/2018 21:19	WG1085895
Chlorobenzene	U		0.0471	0.222	200	03/17/2018 21:19	WG1085895
Chlorodibromomethane	U		0.0829	0.222	200	03/17/2018 21:19	WG1085895
Chloroethane	U		0.210	1.11	200	03/17/2018 21:19	WG1085895
Chloroform	U		0.0509	1.11	200	03/17/2018 21:19	WG1085895
Chloromethane	U		0.0833	0.556	200	03/17/2018 21:19	WG1085895
2-Chlorotoluene	U		0.0669	0.222	200	03/17/2018 21:19	WG1085895
4-Chlorotoluene	U		0.0533	0.222	200	03/17/2018 21:19	WG1085895
1,2-Dibromo-3-Chloropropane	U		0.233	1.11	200	03/17/2018 21:19	WG1085895
1,2-Dibromoethane	U		0.0762	0.222	200	03/17/2018 21:19	WG1085895
Dibromomethane	U		0.0849	0.222	200	03/17/2018 21:19	WG1085895
1,2-Dichlorobenzene	U		0.0678	0.222	200	03/17/2018 21:19	WG1085895
1,3-Dichlorobenzene	U		0.0531	0.222	200	03/17/2018 21:19	WG1085895
1,4-Dichlorobenzene	U		0.0502	0.222	200	03/17/2018 21:19	WG1085895
Dichlorodifluoromethane	U		0.159	1.11	200	03/17/2018 21:19	WG1085895
1,1-Dichloroethane	U		0.0442	0.222	200	03/17/2018 21:19	WG1085895
1,2-Dichloroethane	U		0.0589	0.222	200	03/17/2018 21:19	WG1085895
1,1-Dichloroethene	U		0.0673	0.222	200	03/17/2018 21:19	WG1085895
cis-1,2-Dichloroethene	0.918		0.0522	0.222	200	03/17/2018 21:19	WG1085895
trans-1,2-Dichloroethene	U		0.0587	0.222	200	03/17/2018 21:19	WG1085895
1,2-Dichloropropane	U		0.0796	0.222	200	03/17/2018 21:19	WG1085895
1,1-Dichloropropene	U		0.0705	0.222	200	03/17/2018 21:19	WG1085895
1,3-Dichloropropane	U		0.0460	0.222	200	03/17/2018 21:19	WG1085895
cis-1,3-Dichloropropene	U		0.0582	0.222	200	03/17/2018 21:19	WG1085895
trans-1,3-Dichloropropene	U		0.0593	0.222	200	03/17/2018 21:19	WG1085895
trans-1,4-Dichloro-2-butene	U		0.173	0.556	200	03/17/2018 21:19	WG1085895
2,2-Dichloropropane	U		0.0620	0.222	200	03/17/2018 21:19	WG1085895
Di-isopropyl ether	U		0.0551	0.222	200	03/17/2018 21:19	WG1085895
Ethylbenzene	U		0.0660	0.222	200	03/17/2018 21:19	WG1085895
Hexachloro-1,3-butadiene	U		0.0760	0.222	200	03/17/2018 21:19	WG1085895
2-Hexanone	U		0.305	2.22	200	03/17/2018 21:19	WG1085895
n-Hexane	U		0.0645	2.22	200	03/17/2018 21:19	WG1085895
Iodomethane	U		0.562	2.22	200	03/17/2018 21:19	WG1085895
Isopropylbenzene	U		0.0540	0.222	200	03/17/2018 21:19	WG1085895
p-Isopropyltoluene	U		0.0453	0.222	200	03/17/2018 21:19	WG1085895
2-Butanone (MEK)	U		1.04	2.22	200	03/17/2018 21:19	WG1085895
Methylene Chloride	U		0.222	1.11	200	03/17/2018 21:19	WG1085895
4-Methyl-2-pentanone (MIBK)	U		0.418	2.22	200	03/17/2018 21:19	WG1085895

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	0.432	J0	0.0471	0.222	200	03/17/2018 21:19	WG1085895
Naphthalene	U		0.222	1.11	200	03/17/2018 21:19	WG1085895
n-Propylbenzene	U		0.0458	0.222	200	03/17/2018 21:19	WG1085895
Styrene	U		0.0520	0.222	200	03/17/2018 21:19	WG1085895
1,1,1,2-Tetrachloroethane	U		0.0587	0.222	200	03/17/2018 21:19	WG1085895
1,1,2,2-Tetrachloroethane	U		0.0811	0.222	200	03/17/2018 21:19	WG1085895
1,1,2-Trichlorotrifluoroethane	U		0.0811	0.222	200	03/17/2018 21:19	WG1085895
Tetrachloroethene	9.68		0.0613	0.222	200	03/17/2018 21:19	WG1085895
Toluene	U		0.0965	1.11	200	03/17/2018 21:19	WG1085895
1,2,3-Trichlorobenzene	U		0.0680	0.222	200	03/17/2018 21:19	WG1085895
1,2,4-Trichlorobenzene	U		0.0862	0.222	200	03/17/2018 21:19	WG1085895
1,1,1-Trichloroethane	U		0.0636	0.222	200	03/17/2018 21:19	WG1085895
1,1,2-Trichloroethane	U		0.0616	0.222	200	03/17/2018 21:19	WG1085895
Trichloroethene	0.456		0.0620	0.222	200	03/17/2018 21:19	WG1085895
Trichlorofluoromethane	U		0.0849	1.11	200	03/17/2018 21:19	WG1085895
1,2,3-Trichloropropane	U		0.164	0.556	200	03/17/2018 21:19	WG1085895
1,2,4-Trimethylbenzene	U		0.0469	0.222	200	03/17/2018 21:19	WG1085895
1,2,3-Trimethylbenzene	U		0.0638	0.222	200	03/17/2018 21:19	WG1085895
1,3,5-Trimethylbenzene	U		0.0591	0.222	200	03/17/2018 21:19	WG1085895
Vinyl acetate	U		0.531	2.22	200	03/17/2018 21:19	WG1085895
Vinyl chloride	0.0932	J	0.0647	0.222	200	03/17/2018 21:19	WG1085895
Xylenes, Total	U		0.156	0.667	200	03/17/2018 21:19	WG1085895
(S) Toluene-d8	*105*			*80.0-120*		*03/17/2018 21:19*	WG1085895
(S) Dibromofluoromethane	*101*			*74.0-131*		*03/17/2018 21:19*	WG1085895
(S) 4-Bromofluorobenzene	*88.7*			*64.0-132*		*03/17/2018 21:19*	WG1085895

Sample Narrative:

L977245-20 WG1085895: Cannot be analyzed at a lower dilution due to high levels of target analytes.

IW-3C-45

Collected date/time: 03/09/18 10:16

SAMPLE RESULTS - 21

L977245

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	86.8		1	03/20/2018 10:08	WG1086140

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U	J0	0.0115	0.0576	1	03/15/2018 16:09	WG1084660
Acrylonitrile	U		0.00206	0.0115	1	03/15/2018 16:09	WG1084660
Benzene	U		0.000311	0.00115	1	03/15/2018 16:09	WG1084660
Bromobenzene	U		0.000327	0.00115	1	03/15/2018 16:09	WG1084660
Bromodichloromethane	U		0.000293	0.00115	1	03/15/2018 16:09	WG1084660
Bromochloromethane	U		0.000450	0.00576	1	03/15/2018 16:09	WG1084660
Bromoform	U		0.000489	0.00115	1	03/15/2018 16:09	WG1084660
Bromomethane	U		0.00154	0.00576	1	03/15/2018 16:09	WG1084660
n-Butylbenzene	U		0.000297	0.00115	1	03/15/2018 16:09	WG1084660
sec-Butylbenzene	U		0.000232	0.00115	1	03/15/2018 16:09	WG1084660
tert-Butylbenzene	U		0.000237	0.00115	1	03/15/2018 16:09	WG1084660
Carbon disulfide	0.000411	J	0.000255	0.00115	1	03/15/2018 16:09	WG1084660
Carbon tetrachloride	U		0.000378	0.00115	1	03/15/2018 16:09	WG1084660
Chlorobenzene	U		0.000244	0.00115	1	03/15/2018 16:09	WG1084660
Chlorodibromomethane	U		0.000430	0.00115	1	03/15/2018 16:09	WG1084660
Chloroethane	0.00212	J	0.00109	0.00576	1	03/15/2018 16:09	WG1084660
Chloroform	U		0.000264	0.00576	1	03/15/2018 16:09	WG1084660
Chloromethane	U		0.000432	0.00288	1	03/15/2018 16:09	WG1084660
2-Chlorotoluene	U		0.000347	0.00115	1	03/15/2018 16:09	WG1084660
4-Chlorotoluene	U		0.000277	0.00115	1	03/15/2018 16:09	WG1084660
1,2-Dibromo-3-Chloropropane	U		0.00121	0.00576	1	03/15/2018 16:09	WG1084660
1,2-Dibromoethane	U		0.000395	0.00115	1	03/15/2018 16:09	WG1084660
Dibromomethane	U		0.000440	0.00115	1	03/15/2018 16:09	WG1084660
1,2-Dichlorobenzene	U		0.000352	0.00115	1	03/15/2018 16:09	WG1084660
1,3-Dichlorobenzene	U		0.000275	0.00115	1	03/15/2018 16:09	WG1084660
1,4-Dichlorobenzene	U		0.000260	0.00115	1	03/15/2018 16:09	WG1084660
Dichlorodifluoromethane	U	J0	0.000822	0.00576	1	03/15/2018 16:09	WG1084660
1,1-Dichloroethane	U		0.000229	0.00115	1	03/15/2018 16:09	WG1084660
1,2-Dichloroethane	U		0.000305	0.00115	1	03/15/2018 16:09	WG1084660
1,1-Dichloroethene	0.000840	J	0.000349	0.00115	1	03/15/2018 16:09	WG1084660
cis-1,2-Dichloroethene	0.199		0.00684	0.0291	25.25	03/21/2018 15:05	WG1084660
trans-1,2-Dichloroethene	0.00138		0.000304	0.00115	1	03/15/2018 16:09	WG1084660
1,2-Dichloropropane	U		0.000413	0.00115	1	03/15/2018 16:09	WG1084660
1,1-Dichloropropene	U		0.000365	0.00115	1	03/15/2018 16:09	WG1084660
1,3-Dichloropropane	U		0.000239	0.00115	1	03/15/2018 16:09	WG1084660
cis-1,3-Dichloropropene	U		0.000302	0.00115	1	03/15/2018 16:09	WG1084660
trans-1,3-Dichloropropene	U		0.000308	0.00115	1	03/15/2018 16:09	WG1084660
trans-1,4-Dichloro-2-butene	U		0.000897	0.00288	1	03/15/2018 16:09	WG1084660
2,2-Dichloropropane	U		0.000322	0.00115	1	03/15/2018 16:09	WG1084660
Di-isopropyl ether	U		0.000286	0.00115	1	03/15/2018 16:09	WG1084660
Ethylbenzene	U		0.000342	0.00115	1	03/15/2018 16:09	WG1084660
Hexachloro-1,3-butadiene	U		0.000394	0.00115	1	03/15/2018 16:09	WG1084660
2-Hexanone	U		0.00158	0.0115	1	03/15/2018 16:09	WG1084660
n-Hexane	U		0.000334	0.0115	1	03/15/2018 16:09	WG1084660
Iodomethane	U		0.00292	0.0115	1	03/15/2018 16:09	WG1084660
Isopropylbenzene	U		0.000280	0.00115	1	03/15/2018 16:09	WG1084660
p-Isopropyltoluene	U		0.000235	0.00115	1	03/15/2018 16:09	WG1084660
2-Butanone (MEK)	U	J0	0.00539	0.0115	1	03/15/2018 16:09	WG1084660
Methylene Chloride	U		0.00115	0.00576	1	03/15/2018 16:09	WG1084660
4-Methyl-2-pentanone (MIBK)	U		0.00217	0.0115	1	03/15/2018 16:09	WG1084660

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000244	0.00115	1	03/15/2018 16:09	WG1084660
Naphthalene	U		0.00115	0.00576	1	03/15/2018 16:09	WG1084660
n-Propylbenzene	U		0.000237	0.00115	1	03/15/2018 16:09	WG1084660
Styrene	U		0.000270	0.00115	1	03/15/2018 16:09	WG1084660
1,1,1,2-Tetrachloroethane	U		0.000304	0.00115	1	03/15/2018 16:09	WG1084660
1,1,2,2-Tetrachloroethane	U		0.000421	0.00115	1	03/15/2018 16:09	WG1084660
1,1,2-Trichlorotrifluoroethane	U		0.000421	0.00115	1	03/15/2018 16:09	WG1084660
Tetrachloroethene	1.85		0.00803	0.0291	25.25	03/21/2018 15:05	WG1084660
Toluene	U		0.000500	0.00576	1	03/15/2018 16:09	WG1084660
1,2,3-Trichlorobenzene	U		0.000353	0.00115	1	03/15/2018 16:09	WG1084660
1,2,4-Trichlorobenzene	U		0.000447	0.00115	1	03/15/2018 16:09	WG1084660
1,1,1-Trichloroethane	U		0.000330	0.00115	1	03/15/2018 16:09	WG1084660
1,1,2-Trichloroethane	U		0.000319	0.00115	1	03/15/2018 16:09	WG1084660
Trichloroethene	0.0926		0.000322	0.00115	1	03/15/2018 16:09	WG1084660
Trichlorofluoromethane	U		0.000440	0.00576	1	03/15/2018 16:09	WG1084660
1,2,3-Trichloropropane	U		0.000854	0.00288	1	03/15/2018 16:09	WG1084660
1,2,4-Trimethylbenzene	U		0.000243	0.00115	1	03/15/2018 16:09	WG1084660
1,2,3-Trimethylbenzene	U		0.000331	0.00115	1	03/15/2018 16:09	WG1084660
1,3,5-Trimethylbenzene	U		0.000307	0.00115	1	03/15/2018 16:09	WG1084660
Vinyl acetate	U		0.00275	0.0115	1	03/15/2018 16:09	WG1084660
Vinyl chloride	0.0251		0.000335	0.00115	1	03/15/2018 16:09	WG1084660
Xylenes, Total	U		0.000805	0.00346	1	03/15/2018 16:09	WG1084660
(S) Toluene-d8	*105*			*80.0-120*		*03/21/2018 15:05*	WG1084660
(S) Toluene-d8	*101*			*80.0-120*		*03/15/2018 16:09*	WG1084660
(S) Dibromofluoromethane	*94.7*			*74.0-131*		*03/21/2018 15:05*	WG1084660
(S) Dibromofluoromethane	*109*			*74.0-131*		*03/15/2018 16:09*	WG1084660
(S) 4-Bromofluorobenzene	*92.6*			*64.0-132*		*03/21/2018 15:05*	WG1084660
(S) 4-Bromofluorobenzene	*99.5*			*64.0-132*		*03/15/2018 16:09*	WG1084660

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	88.1		1	03/20/2018 10:08	WG1086140

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U	J0	0.0113	0.0567	1	03/15/2018 16:29	WG1084660
Acrylonitrile	U		0.00203	0.0113	1	03/15/2018 16:29	WG1084660
Benzene	U		0.000306	0.00113	1	03/15/2018 16:29	WG1084660
Bromobenzene	U		0.000322	0.00113	1	03/15/2018 16:29	WG1084660
Bromodichloromethane	U		0.000288	0.00113	1	03/15/2018 16:29	WG1084660
Bromochloromethane	U		0.000443	0.00567	1	03/15/2018 16:29	WG1084660
Bromoform	U		0.000481	0.00113	1	03/15/2018 16:29	WG1084660
Bromomethane	U		0.00152	0.00567	1	03/15/2018 16:29	WG1084660
n-Butylbenzene	U		0.000293	0.00113	1	03/15/2018 16:29	WG1084660
sec-Butylbenzene	U		0.000228	0.00113	1	03/15/2018 16:29	WG1084660
tert-Butylbenzene	U		0.000234	0.00113	1	03/15/2018 16:29	WG1084660
Carbon disulfide	U		0.000251	0.00113	1	03/15/2018 16:29	WG1084660
Carbon tetrachloride	U		0.000372	0.00113	1	03/15/2018 16:29	WG1084660
Chlorobenzene	U		0.000241	0.00113	1	03/15/2018 16:29	WG1084660
Chlorodibromomethane	U		0.000423	0.00113	1	03/15/2018 16:29	WG1084660
Chloroethane	U		0.00107	0.00567	1	03/15/2018 16:29	WG1084660
Chloroform	U		0.000260	0.00567	1	03/15/2018 16:29	WG1084660
Chloromethane	U		0.000426	0.00284	1	03/15/2018 16:29	WG1084660
2-Chlorotoluene	U		0.000342	0.00113	1	03/15/2018 16:29	WG1084660
4-Chlorotoluene	U		0.000272	0.00113	1	03/15/2018 16:29	WG1084660
1,2-Dibromo-3-Chloropropane	U		0.00119	0.00567	1	03/15/2018 16:29	WG1084660
1,2-Dibromoethane	U		0.000389	0.00113	1	03/15/2018 16:29	WG1084660
Dibromomethane	U		0.000433	0.00113	1	03/15/2018 16:29	WG1084660
1,2-Dichlorobenzene	U		0.000346	0.00113	1	03/15/2018 16:29	WG1084660
1,3-Dichlorobenzene	U		0.000271	0.00113	1	03/15/2018 16:29	WG1084660
1,4-Dichlorobenzene	U		0.000256	0.00113	1	03/15/2018 16:29	WG1084660
Dichlorodifluoromethane	U	J0	0.000809	0.00567	1	03/15/2018 16:29	WG1084660
1,1-Dichloroethane	U		0.000226	0.00113	1	03/15/2018 16:29	WG1084660
1,2-Dichloroethane	U		0.000301	0.00113	1	03/15/2018 16:29	WG1084660
1,1-Dichloroethene	U		0.000344	0.00113	1	03/15/2018 16:29	WG1084660
cis-1,2-Dichloroethene	0.0107		0.000267	0.00113	1	03/21/2018 14:26	WG1084660
trans-1,2-Dichloroethene	U		0.000300	0.00113	1	03/15/2018 16:29	WG1084660
1,2-Dichloropropane	U		0.000406	0.00113	1	03/15/2018 16:29	WG1084660
1,1-Dichloropropene	U		0.000360	0.00113	1	03/15/2018 16:29	WG1084660
1,3-Dichloropropane	U		0.000235	0.00113	1	03/15/2018 16:29	WG1084660
cis-1,3-Dichloropropene	U		0.000297	0.00113	1	03/15/2018 16:29	WG1084660
trans-1,3-Dichloropropene	U		0.000303	0.00113	1	03/15/2018 16:29	WG1084660
trans-1,4-Dichloro-2-butene	U		0.000883	0.00284	1	03/15/2018 16:29	WG1084660
2,2-Dichloropropane	U		0.000317	0.00113	1	03/15/2018 16:29	WG1084660
Di-isopropyl ether	U		0.000281	0.00113	1	03/15/2018 16:29	WG1084660
Ethylbenzene	U		0.000337	0.00113	1	03/15/2018 16:29	WG1084660
Hexachloro-1,3-butadiene	U		0.000388	0.00113	1	03/15/2018 16:29	WG1084660
2-Hexanone	U		0.00155	0.0113	1	03/15/2018 16:29	WG1084660
n-Hexane	U		0.000329	0.0113	1	03/15/2018 16:29	WG1084660
Iodomethane	U		0.00287	0.0113	1	03/15/2018 16:29	WG1084660
Isopropylbenzene	U		0.000276	0.00113	1	03/15/2018 16:29	WG1084660
p-Isopropyltoluene	U		0.000231	0.00113	1	03/15/2018 16:29	WG1084660
2-Butanone (MEK)	U	J0	0.00531	0.0113	1	03/15/2018 16:29	WG1084660
Methylene Chloride	U		0.00113	0.00567	1	03/15/2018 16:29	WG1084660
4-Methyl-2-pentanone (MIBK)	U		0.00213	0.0113	1	03/15/2018 16:29	WG1084660

IW-3C-55

Collected date/time: 03/09/18 10:35

SAMPLE RESULTS - 22

L977245

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000241	0.00113	1	03/15/2018 16:29	WG1084660
Naphthalene	U		0.00113	0.00567	1	03/15/2018 16:29	WG1084660
n-Propylbenzene	U		0.000234	0.00113	1	03/15/2018 16:29	WG1084660
Styrene	U		0.000266	0.00113	1	03/15/2018 16:29	WG1084660
1,1,1,2-Tetrachloroethane	U		0.000300	0.00113	1	03/15/2018 16:29	WG1084660
1,1,2,2-Tetrachloroethane	U		0.000414	0.00113	1	03/15/2018 16:29	WG1084660
1,1,2-Trichlorotrifluoroethane	U		0.000414	0.00113	1	03/15/2018 16:29	WG1084660
Tetrachloroethene	0.0387		0.000313	0.00113	1	03/21/2018 14:26	WG1084660
Toluene	U		0.000492	0.00567	1	03/15/2018 16:29	WG1084660
1,2,3-Trichlorobenzene	U		0.000347	0.00113	1	03/15/2018 16:29	WG1084660
1,2,4-Trichlorobenzene	U		0.000440	0.00113	1	03/15/2018 16:29	WG1084660
1,1,1-Trichloroethane	U		0.000325	0.00113	1	03/15/2018 16:29	WG1084660
1,1,2-Trichloroethane	U		0.000314	0.00113	1	03/15/2018 16:29	WG1084660
Trichloroethene	0.00215		0.000317	0.00113	1	03/15/2018 16:29	WG1084660
Trichlorofluoromethane	U		0.000433	0.00567	1	03/15/2018 16:29	WG1084660
1,2,3-Trichloropropane	U		0.000841	0.00284	1	03/15/2018 16:29	WG1084660
1,2,4-Trimethylbenzene	U		0.000239	0.00113	1	03/15/2018 16:29	WG1084660
1,2,3-Trimethylbenzene	U		0.000326	0.00113	1	03/15/2018 16:29	WG1084660
1,3,5-Trimethylbenzene	U		0.000302	0.00113	1	03/15/2018 16:29	WG1084660
Vinyl acetate	U		0.00271	0.0113	1	03/15/2018 16:29	WG1084660
Vinyl chloride	0.00140		0.000330	0.00113	1	03/15/2018 16:29	WG1084660
Xylenes, Total	U		0.000792	0.00340	1	03/15/2018 16:29	WG1084660
(S) Toluene-d8	*98.7*			*80.0-120*		*03/21/2018 14:26*	WG1084660
(S) Toluene-d8	*97.4*			*80.0-120*		*03/15/2018 16:29*	WG1084660
(S) Dibromofluoromethane	*102*			*74.0-131*		*03/21/2018 14:26*	WG1084660
(S) Dibromofluoromethane	*108*			*74.0-131*		*03/15/2018 16:29*	WG1084660
(S) 4-Bromofluorobenzene	*97.2*			*64.0-132*		*03/15/2018 16:29*	WG1084660
(S) 4-Bromofluorobenzene	*93.8*			*64.0-132*		*03/21/2018 14:26*	WG1084660

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	87.7		1	03/20/2018 10:08	WG1086140

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U	J0	0.0114	0.0570	1	03/15/2018 16:49	WG1084660
Acrylonitrile	U		0.00204	0.0114	1	03/15/2018 16:49	WG1084660
Benzene	U		0.000308	0.00114	1	03/15/2018 16:49	WG1084660
Bromobenzene	U		0.000324	0.00114	1	03/15/2018 16:49	WG1084660
Bromodichloromethane	U		0.000290	0.00114	1	03/15/2018 16:49	WG1084660
Bromochloromethane	U		0.000445	0.00570	1	03/15/2018 16:49	WG1084660
Bromoform	U		0.000484	0.00114	1	03/15/2018 16:49	WG1084660
Bromomethane	U		0.00153	0.00570	1	03/15/2018 16:49	WG1084660
n-Butylbenzene	U		0.000294	0.00114	1	03/15/2018 16:49	WG1084660
sec-Butylbenzene	U		0.000229	0.00114	1	03/15/2018 16:49	WG1084660
tert-Butylbenzene	U		0.000235	0.00114	1	03/15/2018 16:49	WG1084660
Carbon disulfide	0.000260	J	0.000252	0.00114	1	03/15/2018 16:49	WG1084660
Carbon tetrachloride	U		0.000374	0.00114	1	03/15/2018 16:49	WG1084660
Chlorobenzene	U		0.000242	0.00114	1	03/15/2018 16:49	WG1084660
Chlorodibromomethane	U		0.000426	0.00114	1	03/15/2018 16:49	WG1084660
Chloroethane	U		0.00108	0.00570	1	03/15/2018 16:49	WG1084660
Chloroform	U		0.000261	0.00570	1	03/15/2018 16:49	WG1084660
Chloromethane	U		0.000428	0.00285	1	03/15/2018 16:49	WG1084660
2-Chlorotoluene	U		0.000343	0.00114	1	03/15/2018 16:49	WG1084660
4-Chlorotoluene	U		0.000274	0.00114	1	03/15/2018 16:49	WG1084660
1,2-Dibromo-3-Chloropropane	U		0.00120	0.00570	1	03/15/2018 16:49	WG1084660
1,2-Dibromoethane	U		0.000391	0.00114	1	03/15/2018 16:49	WG1084660
Dibromomethane	U		0.000436	0.00114	1	03/15/2018 16:49	WG1084660
1,2-Dichlorobenzene	U		0.000348	0.00114	1	03/15/2018 16:49	WG1084660
1,3-Dichlorobenzene	U		0.000273	0.00114	1	03/15/2018 16:49	WG1084660
1,4-Dichlorobenzene	U		0.000258	0.00114	1	03/15/2018 16:49	WG1084660
Dichlorodifluoromethane	U	J0	0.000813	0.00570	1	03/15/2018 16:49	WG1084660
1,1-Dichloroethane	U		0.000227	0.00114	1	03/15/2018 16:49	WG1084660
1,2-Dichloroethane	U		0.000302	0.00114	1	03/15/2018 16:49	WG1084660
1,1-Dichloroethene	U		0.000346	0.00114	1	03/15/2018 16:49	WG1084660
cis-1,2-Dichloroethene	0.141		0.00671	0.0285	25	03/21/2018 15:24	WG1084660
trans-1,2-Dichloroethene	U		0.000301	0.00114	1	03/15/2018 16:49	WG1084660
1,2-Dichloropropane	U		0.000408	0.00114	1	03/15/2018 16:49	WG1084660
1,1-Dichloropropene	U		0.000362	0.00114	1	03/15/2018 16:49	WG1084660
1,3-Dichloropropane	U		0.000236	0.00114	1	03/15/2018 16:49	WG1084660
cis-1,3-Dichloropropene	U		0.000299	0.00114	1	03/15/2018 16:49	WG1084660
trans-1,3-Dichloropropene	U		0.000305	0.00114	1	03/15/2018 16:49	WG1084660
trans-1,4-Dichloro-2-butene	U		0.000888	0.00285	1	03/15/2018 16:49	WG1084660
2,2-Dichloropropane	U		0.000318	0.00114	1	03/15/2018 16:49	WG1084660
Di-isopropyl ether	U		0.000283	0.00114	1	03/15/2018 16:49	WG1084660
Ethylbenzene	U		0.000339	0.00114	1	03/15/2018 16:49	WG1084660
Hexachloro-1,3-butadiene	U		0.000390	0.00114	1	03/15/2018 16:49	WG1084660
2-Hexanone	U		0.00156	0.0114	1	03/15/2018 16:49	WG1084660
n-Hexane	U		0.000331	0.0114	1	03/15/2018 16:49	WG1084660
Iodomethane	U		0.00289	0.0114	1	03/15/2018 16:49	WG1084660
Isopropylbenzene	U		0.000277	0.00114	1	03/15/2018 16:49	WG1084660
p-Isopropyltoluene	U		0.000233	0.00114	1	03/15/2018 16:49	WG1084660
2-Butanone (MEK)	U	J0	0.00534	0.0114	1	03/15/2018 16:49	WG1084660
Methylene Chloride	U		0.00114	0.00570	1	03/15/2018 16:49	WG1084660
4-Methyl-2-pentanone (MIBK)	U		0.00214	0.0114	1	03/15/2018 16:49	WG1084660

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000242	0.00114	1	03/15/2018 16:49	WG1084660
Naphthalene	U		0.00114	0.00570	1	03/15/2018 16:49	WG1084660
n-Propylbenzene	U		0.000235	0.00114	1	03/15/2018 16:49	WG1084660
Styrene	U		0.000267	0.00114	1	03/15/2018 16:49	WG1084660
1,1,1,2-Tetrachloroethane	U		0.000301	0.00114	1	03/15/2018 16:49	WG1084660
1,1,2,2-Tetrachloroethane	U		0.000416	0.00114	1	03/15/2018 16:49	WG1084660
1,1,2-Trichlorotrifluoroethane	U		0.000416	0.00114	1	03/15/2018 16:49	WG1084660
Tetrachloroethene	0.0830		0.000315	0.00114	1	03/15/2018 16:49	WG1084660
Toluene	U		0.000495	0.00570	1	03/15/2018 16:49	WG1084660
1,2,3-Trichlorobenzene	U		0.000349	0.00114	1	03/15/2018 16:49	WG1084660
1,2,4-Trichlorobenzene	U		0.000443	0.00114	1	03/15/2018 16:49	WG1084660
1,1,1-Trichloroethane	U		0.000326	0.00114	1	03/15/2018 16:49	WG1084660
1,1,2-Trichloroethane	U		0.000316	0.00114	1	03/15/2018 16:49	WG1084660
Trichloroethene	0.0128		0.000318	0.00114	1	03/15/2018 16:49	WG1084660
Trichlorofluoromethane	U		0.000436	0.00570	1	03/15/2018 16:49	WG1084660
1,2,3-Trichloropropane	U		0.000845	0.00285	1	03/15/2018 16:49	WG1084660
1,2,4-Trimethylbenzene	U		0.000241	0.00114	1	03/15/2018 16:49	WG1084660
1,2,3-Trimethylbenzene	U		0.000327	0.00114	1	03/15/2018 16:49	WG1084660
1,3,5-Trimethylbenzene	U		0.000303	0.00114	1	03/15/2018 16:49	WG1084660
Vinyl acetate	U		0.00273	0.0114	1	03/15/2018 16:49	WG1084660
Vinyl chloride	0.00726		0.000332	0.00114	1	03/15/2018 16:49	WG1084660
Xylenes, Total	U		0.000796	0.00342	1	03/15/2018 16:49	WG1084660
(S) Toluene-d8	*96.2*			*80.0-120*		*03/15/2018 16:49*	WG1084660
(S) Toluene-d8	*107*			*80.0-120*		*03/21/2018 15:24*	WG1084660
(S) Dibromofluoromethane	*99.2*			*74.0-131*		*03/21/2018 15:24*	WG1084660
(S) Dibromofluoromethane	*111*			*74.0-131*		*03/15/2018 16:49*	WG1084660
(S) 4-Bromofluorobenzene	*96.5*			*64.0-132*		*03/15/2018 16:49*	WG1084660
(S) 4-Bromofluorobenzene	*90.7*			*64.0-132*		*03/21/2018 15:24*	WG1084660

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	79.9		1	03/20/2018 10:08	WG1086140

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U	J0	0.0125	0.0626	1	03/15/2018 17:09	WG1084660
Acrylonitrile	U		0.00224	0.0125	1	03/15/2018 17:09	WG1084660
Benzene	U		0.000338	0.00125	1	03/15/2018 17:09	WG1084660
Bromobenzene	U		0.000356	0.00125	1	03/15/2018 17:09	WG1084660
Bromodichloromethane	U		0.000318	0.00125	1	03/15/2018 17:09	WG1084660
Bromochloromethane	U		0.000488	0.00626	1	03/15/2018 17:09	WG1084660
Bromoform	U		0.000531	0.00125	1	03/15/2018 17:09	WG1084660
Bromomethane	U		0.00168	0.00626	1	03/15/2018 17:09	WG1084660
n-Butylbenzene	U		0.000323	0.00125	1	03/15/2018 17:09	WG1084660
sec-Butylbenzene	U		0.000252	0.00125	1	03/15/2018 17:09	WG1084660
tert-Butylbenzene	U		0.000258	0.00125	1	03/15/2018 17:09	WG1084660
Carbon disulfide	0.000306	J	0.000277	0.00125	1	03/15/2018 17:09	WG1084660
Carbon tetrachloride	U		0.000411	0.00125	1	03/15/2018 17:09	WG1084660
Chlorobenzene	U		0.000265	0.00125	1	03/15/2018 17:09	WG1084660
Chlorodibromomethane	U		0.000467	0.00125	1	03/15/2018 17:09	WG1084660
Chloroethane	U		0.00118	0.00626	1	03/15/2018 17:09	WG1084660
Chloroform	U		0.000287	0.00626	1	03/15/2018 17:09	WG1084660
Chloromethane	U		0.000470	0.00313	1	03/15/2018 17:09	WG1084660
2-Chlorotoluene	U		0.000377	0.00125	1	03/15/2018 17:09	WG1084660
4-Chlorotoluene	U		0.000300	0.00125	1	03/15/2018 17:09	WG1084660
1,2-Dibromo-3-Chloropropane	U		0.00131	0.00626	1	03/15/2018 17:09	WG1084660
1,2-Dibromoethane	U		0.000429	0.00125	1	03/15/2018 17:09	WG1084660
Dibromomethane	U		0.000478	0.00125	1	03/15/2018 17:09	WG1084660
1,2-Dichlorobenzene	U		0.000382	0.00125	1	03/15/2018 17:09	WG1084660
1,3-Dichlorobenzene	U		0.000299	0.00125	1	03/15/2018 17:09	WG1084660
1,4-Dichlorobenzene	U		0.000283	0.00125	1	03/15/2018 17:09	WG1084660
Dichlorodifluoromethane	U	J0	0.000893	0.00626	1	03/15/2018 17:09	WG1084660
1,1-Dichloroethane	U		0.000249	0.00125	1	03/15/2018 17:09	WG1084660
1,2-Dichloroethane	U		0.000332	0.00125	1	03/15/2018 17:09	WG1084660
1,1-Dichloroethene	U		0.000379	0.00125	1	03/15/2018 17:09	WG1084660
cis-1,2-Dichloroethene	0.131		0.000294	0.00125	1	03/15/2018 17:09	WG1084660
trans-1,2-Dichloroethene	U		0.000331	0.00125	1	03/15/2018 17:09	WG1084660
1,2-Dichloropropane	U		0.000448	0.00125	1	03/15/2018 17:09	WG1084660
1,1-Dichloropropene	U		0.000397	0.00125	1	03/15/2018 17:09	WG1084660
1,3-Dichloropropane	U		0.000259	0.00125	1	03/15/2018 17:09	WG1084660
cis-1,3-Dichloropropene	U		0.000328	0.00125	1	03/15/2018 17:09	WG1084660
trans-1,3-Dichloropropene	U		0.000334	0.00125	1	03/15/2018 17:09	WG1084660
trans-1,4-Dichloro-2-butene	U		0.000974	0.00313	1	03/15/2018 17:09	WG1084660
2,2-Dichloropropane	U		0.000349	0.00125	1	03/15/2018 17:09	WG1084660
Di-isopropyl ether	U		0.000311	0.00125	1	03/15/2018 17:09	WG1084660
Ethylbenzene	U		0.000372	0.00125	1	03/15/2018 17:09	WG1084660
Hexachloro-1,3-butadiene	U		0.000428	0.00125	1	03/15/2018 17:09	WG1084660
2-Hexanone	U		0.00172	0.0125	1	03/15/2018 17:09	WG1084660
n-Hexane	U		0.000363	0.0125	1	03/15/2018 17:09	WG1084660
Iodomethane	U		0.00317	0.0125	1	03/15/2018 17:09	WG1084660
Isopropylbenzene	U		0.000304	0.00125	1	03/15/2018 17:09	WG1084660
p-Isopropyltoluene	U		0.000255	0.00125	1	03/15/2018 17:09	WG1084660
2-Butanone (MEK)	U	J0	0.00586	0.0125	1	03/15/2018 17:09	WG1084660
Methylene Chloride	U		0.00125	0.00626	1	03/15/2018 17:09	WG1084660
4-Methyl-2-pentanone (MIBK)	U		0.00235	0.0125	1	03/15/2018 17:09	WG1084660

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000265	0.00125	1	03/15/2018 17:09	WG1084660
Naphthalene	U		0.00125	0.00626	1	03/15/2018 17:09	WG1084660
n-Propylbenzene	U		0.000258	0.00125	1	03/15/2018 17:09	WG1084660
Styrene	U		0.000293	0.00125	1	03/15/2018 17:09	WG1084660
1,1,1,2-Tetrachloroethane	U		0.000331	0.00125	1	03/15/2018 17:09	WG1084660
1,1,2,2-Tetrachloroethane	U		0.000457	0.00125	1	03/15/2018 17:09	WG1084660
1,1,2-Trichlorotrifluoroethane	U		0.000457	0.00125	1	03/15/2018 17:09	WG1084660
Tetrachloroethene	0.0413		0.000346	0.00125	1	03/15/2018 17:09	WG1084660
Toluene	U		0.000543	0.00626	1	03/15/2018 17:09	WG1084660
1,2,3-Trichlorobenzene	U		0.000383	0.00125	1	03/15/2018 17:09	WG1084660
1,2,4-Trichlorobenzene	U		0.000486	0.00125	1	03/15/2018 17:09	WG1084660
1,1,1-Trichloroethane	U		0.000358	0.00125	1	03/15/2018 17:09	WG1084660
1,1,2-Trichloroethane	U		0.000347	0.00125	1	03/15/2018 17:09	WG1084660
Trichloroethene	0.00631		0.000349	0.00125	1	03/15/2018 17:09	WG1084660
Trichlorofluoromethane	U		0.000478	0.00626	1	03/15/2018 17:09	WG1084660
1,2,3-Trichloropropane	U		0.000928	0.00313	1	03/15/2018 17:09	WG1084660
1,2,4-Trimethylbenzene	U		0.000264	0.00125	1	03/15/2018 17:09	WG1084660
1,2,3-Trimethylbenzene	U		0.000359	0.00125	1	03/15/2018 17:09	WG1084660
1,3,5-Trimethylbenzene	U		0.000333	0.00125	1	03/15/2018 17:09	WG1084660
Vinyl acetate	U		0.00299	0.0125	1	03/15/2018 17:09	WG1084660
Vinyl chloride	0.00484		0.000364	0.00125	1	03/15/2018 17:09	WG1084660
Xylenes, Total	U		0.000874	0.00376	1	03/15/2018 17:09	WG1084660
(S) Toluene-d8	*97.4*			*80.0-120*		*03/15/2018 17:09*	WG1084660
(S) Dibromofluoromethane	*118*			*74.0-131*		*03/15/2018 17:09*	WG1084660
(S) 4-Bromofluorobenzene	*98.2*			*64.0-132*		*03/15/2018 17:09*	WG1084660

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	86.1		1	03/20/2018 10:08	WG1086140

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U	J0	0.0116	0.0581	1	03/15/2018 17:29	WG1084660
Acrylonitrile	U		0.00208	0.0116	1	03/15/2018 17:29	WG1084660
Benzene	U		0.000314	0.00116	1	03/15/2018 17:29	WG1084660
Bromobenzene	U		0.000330	0.00116	1	03/15/2018 17:29	WG1084660
Bromodichloromethane	U		0.000295	0.00116	1	03/15/2018 17:29	WG1084660
Bromochloromethane	U		0.000453	0.00581	1	03/15/2018 17:29	WG1084660
Bromoform	U		0.000493	0.00116	1	03/15/2018 17:29	WG1084660
Bromomethane	U		0.00156	0.00581	1	03/15/2018 17:29	WG1084660
n-Butylbenzene	U		0.000300	0.00116	1	03/15/2018 17:29	WG1084660
sec-Butylbenzene	U		0.000233	0.00116	1	03/15/2018 17:29	WG1084660
tert-Butylbenzene	U		0.000239	0.00116	1	03/15/2018 17:29	WG1084660
Carbon disulfide	U		0.000257	0.00116	1	03/15/2018 17:29	WG1084660
Carbon tetrachloride	U		0.000381	0.00116	1	03/15/2018 17:29	WG1084660
Chlorobenzene	U		0.000246	0.00116	1	03/15/2018 17:29	WG1084660
Chlorodibromomethane	U		0.000433	0.00116	1	03/15/2018 17:29	WG1084660
Chloroethane	U		0.00110	0.00581	1	03/15/2018 17:29	WG1084660
Chloroform	U		0.000266	0.00581	1	03/15/2018 17:29	WG1084660
Chloromethane	U		0.000436	0.00290	1	03/15/2018 17:29	WG1084660
2-Chlorotoluene	U		0.000350	0.00116	1	03/15/2018 17:29	WG1084660
4-Chlorotoluene	U		0.000279	0.00116	1	03/15/2018 17:29	WG1084660
1,2-Dibromo-3-Chloropropane	U		0.00122	0.00581	1	03/15/2018 17:29	WG1084660
1,2-Dibromoethane	U		0.000398	0.00116	1	03/15/2018 17:29	WG1084660
Dibromomethane	U		0.000444	0.00116	1	03/15/2018 17:29	WG1084660
1,2-Dichlorobenzene	U		0.000354	0.00116	1	03/15/2018 17:29	WG1084660
1,3-Dichlorobenzene	U		0.000278	0.00116	1	03/15/2018 17:29	WG1084660
1,4-Dichlorobenzene	U		0.000263	0.00116	1	03/15/2018 17:29	WG1084660
Dichlorodifluoromethane	U	J0	0.000828	0.00581	1	03/15/2018 17:29	WG1084660
1,1-Dichloroethane	U		0.000231	0.00116	1	03/15/2018 17:29	WG1084660
1,2-Dichloroethane	U		0.000308	0.00116	1	03/15/2018 17:29	WG1084660
1,1-Dichloroethene	U		0.000352	0.00116	1	03/15/2018 17:29	WG1084660
cis-1,2-Dichloroethene	0.00195		0.000273	0.00116	1	03/15/2018 17:29	WG1084660
trans-1,2-Dichloroethene	U		0.000307	0.00116	1	03/15/2018 17:29	WG1084660
1,2-Dichloropropane	U		0.000416	0.00116	1	03/15/2018 17:29	WG1084660
1,1-Dichloropropene	U		0.000368	0.00116	1	03/15/2018 17:29	WG1084660
1,3-Dichloropropane	U		0.000240	0.00116	1	03/15/2018 17:29	WG1084660
cis-1,3-Dichloropropene	U		0.000304	0.00116	1	03/15/2018 17:29	WG1084660
trans-1,3-Dichloropropene	U		0.000310	0.00116	1	03/15/2018 17:29	WG1084660
trans-1,4-Dichloro-2-butene	U		0.000904	0.00290	1	03/15/2018 17:29	WG1084660
2,2-Dichloropropane	U		0.000324	0.00116	1	03/15/2018 17:29	WG1084660
Di-isopropyl ether	U		0.000288	0.00116	1	03/15/2018 17:29	WG1084660
Ethylbenzene	U		0.000345	0.00116	1	03/15/2018 17:29	WG1084660
Hexachloro-1,3-butadiene	U		0.000397	0.00116	1	03/15/2018 17:29	WG1084660
2-Hexanone	U		0.00159	0.0116	1	03/15/2018 17:29	WG1084660
n-Hexane	U		0.000337	0.0116	1	03/15/2018 17:29	WG1084660
Iodomethane	U		0.00294	0.0116	1	03/15/2018 17:29	WG1084660
Isopropylbenzene	U		0.000282	0.00116	1	03/15/2018 17:29	WG1084660
p-Isopropyltoluene	U		0.000237	0.00116	1	03/15/2018 17:29	WG1084660
2-Butanone (MEK)	U	J0	0.00544	0.0116	1	03/15/2018 17:29	WG1084660
Methylene Chloride	U		0.00116	0.00581	1	03/15/2018 17:29	WG1084660
4-Methyl-2-pentanone (MIBK)	U		0.00218	0.0116	1	03/15/2018 17:29	WG1084660

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000246	0.00116	1	03/15/2018 17:29	WG1084660
Naphthalene	U		0.00116	0.00581	1	03/15/2018 17:29	WG1084660
n-Propylbenzene	U		0.000239	0.00116	1	03/15/2018 17:29	WG1084660
Styrene	U		0.000272	0.00116	1	03/15/2018 17:29	WG1084660
1,1,1,2-Tetrachloroethane	U		0.000307	0.00116	1	03/15/2018 17:29	WG1084660
1,1,2,2-Tetrachloroethane	U		0.000424	0.00116	1	03/15/2018 17:29	WG1084660
1,1,2-Trichlorotrifluoroethane	U		0.000424	0.00116	1	03/15/2018 17:29	WG1084660
Tetrachloroethene	0.00138		0.000321	0.00116	1	03/15/2018 17:29	WG1084660
Toluene	U		0.000504	0.00581	1	03/15/2018 17:29	WG1084660
1,2,3-Trichlorobenzene	U		0.000355	0.00116	1	03/15/2018 17:29	WG1084660
1,2,4-Trichlorobenzene	U		0.000451	0.00116	1	03/15/2018 17:29	WG1084660
1,1,1-Trichloroethane	U		0.000332	0.00116	1	03/15/2018 17:29	WG1084660
1,1,2-Trichloroethane	U		0.000322	0.00116	1	03/15/2018 17:29	WG1084660
Trichloroethene	U		0.000324	0.00116	1	03/15/2018 17:29	WG1084660
Trichlorofluoromethane	U		0.000444	0.00581	1	03/15/2018 17:29	WG1084660
1,2,3-Trichloropropane	U		0.000861	0.00290	1	03/15/2018 17:29	WG1084660
1,2,4-Trimethylbenzene	U		0.000245	0.00116	1	03/15/2018 17:29	WG1084660
1,2,3-Trimethylbenzene	U		0.000333	0.00116	1	03/15/2018 17:29	WG1084660
1,3,5-Trimethylbenzene	U		0.000309	0.00116	1	03/15/2018 17:29	WG1084660
Vinyl acetate	U		0.00278	0.0116	1	03/15/2018 17:29	WG1084660
Vinyl chloride	U		0.000338	0.00116	1	03/15/2018 17:29	WG1084660
Xylenes, Total	U		0.000811	0.00348	1	03/15/2018 17:29	WG1084660
(S) Toluene-d8	*110*			*80.0-120*		*03/15/2018 17:29*	WG1084660
(S) Dibromofluoromethane	*117*			*74.0-131*		*03/15/2018 17:29*	WG1084660
(S) 4-Bromofluorobenzene	*96.8*			*64.0-132*		*03/15/2018 17:29*	WG1084660

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	86.4		1	03/20/2018 10:08	WG1086140

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U	J0	0.0116	0.0578	1	03/15/2018 17:49	WG1084660
Acrylonitrile	U		0.00207	0.0116	1	03/15/2018 17:49	WG1084660
Benzene	U		0.000312	0.00116	1	03/15/2018 17:49	WG1084660
Bromobenzene	U		0.000329	0.00116	1	03/15/2018 17:49	WG1084660
Bromodichloromethane	U		0.000294	0.00116	1	03/15/2018 17:49	WG1084660
Bromochloromethane	U		0.000451	0.00578	1	03/15/2018 17:49	WG1084660
Bromoform	U		0.000490	0.00116	1	03/15/2018 17:49	WG1084660
Bromomethane	U		0.00155	0.00578	1	03/15/2018 17:49	WG1084660
n-Butylbenzene	U		0.000298	0.00116	1	03/15/2018 17:49	WG1084660
sec-Butylbenzene	U		0.000233	0.00116	1	03/15/2018 17:49	WG1084660
tert-Butylbenzene	U		0.000238	0.00116	1	03/15/2018 17:49	WG1084660
Carbon disulfide	U		0.000256	0.00116	1	03/15/2018 17:49	WG1084660
Carbon tetrachloride	U		0.000379	0.00116	1	03/15/2018 17:49	WG1084660
Chlorobenzene	U		0.000245	0.00116	1	03/15/2018 17:49	WG1084660
Chlorodibromomethane	U		0.000431	0.00116	1	03/15/2018 17:49	WG1084660
Chloroethane	U		0.00109	0.00578	1	03/15/2018 17:49	WG1084660
Chloroform	U		0.000265	0.00578	1	03/15/2018 17:49	WG1084660
Chloromethane	U		0.000434	0.00289	1	03/15/2018 17:49	WG1084660
2-Chlorotoluene	U		0.000348	0.00116	1	03/15/2018 17:49	WG1084660
4-Chlorotoluene	U		0.000278	0.00116	1	03/15/2018 17:49	WG1084660
1,2-Dibromo-3-Chloropropane	U		0.00121	0.00578	1	03/15/2018 17:49	WG1084660
1,2-Dibromoethane	U		0.000397	0.00116	1	03/15/2018 17:49	WG1084660
Dibromomethane	U		0.000442	0.00116	1	03/15/2018 17:49	WG1084660
1,2-Dichlorobenzene	U		0.000353	0.00116	1	03/15/2018 17:49	WG1084660
1,3-Dichlorobenzene	U		0.000276	0.00116	1	03/15/2018 17:49	WG1084660
1,4-Dichlorobenzene	U		0.000261	0.00116	1	03/15/2018 17:49	WG1084660
Dichlorodifluoromethane	U	J0	0.000825	0.00578	1	03/15/2018 17:49	WG1084660
1,1-Dichloroethane	U		0.000230	0.00116	1	03/15/2018 17:49	WG1084660
1,2-Dichloroethane	U		0.000307	0.00116	1	03/15/2018 17:49	WG1084660
1,1-Dichloroethene	U		0.000351	0.00116	1	03/15/2018 17:49	WG1084660
cis-1,2-Dichloroethene	U		0.000272	0.00116	1	03/15/2018 17:49	WG1084660
trans-1,2-Dichloroethene	U		0.000305	0.00116	1	03/15/2018 17:49	WG1084660
1,2-Dichloropropane	U		0.000414	0.00116	1	03/15/2018 17:49	WG1084660
1,1-Dichloropropene	U		0.000367	0.00116	1	03/15/2018 17:49	WG1084660
1,3-Dichloropropane	U		0.000239	0.00116	1	03/15/2018 17:49	WG1084660
cis-1,3-Dichloropropene	U		0.000303	0.00116	1	03/15/2018 17:49	WG1084660
trans-1,3-Dichloropropene	U		0.000309	0.00116	1	03/15/2018 17:49	WG1084660
trans-1,4-Dichloro-2-butene	U		0.000900	0.00289	1	03/15/2018 17:49	WG1084660
2,2-Dichloropropane	U		0.000323	0.00116	1	03/15/2018 17:49	WG1084660
Di-isopropyl ether	U		0.000287	0.00116	1	03/15/2018 17:49	WG1084660
Ethylbenzene	U		0.000344	0.00116	1	03/15/2018 17:49	WG1084660
Hexachloro-1,3-butadiene	U		0.000396	0.00116	1	03/15/2018 17:49	WG1084660
2-Hexanone	U		0.00158	0.0116	1	03/15/2018 17:49	WG1084660
n-Hexane	U		0.000335	0.0116	1	03/15/2018 17:49	WG1084660
Iodomethane	U		0.00293	0.0116	1	03/15/2018 17:49	WG1084660
Isopropylbenzene	U		0.000281	0.00116	1	03/15/2018 17:49	WG1084660
p-Isopropyltoluene	U		0.000236	0.00116	1	03/15/2018 17:49	WG1084660
2-Butanone (MEK)	U	J0	0.00541	0.0116	1	03/15/2018 17:49	WG1084660
Methylene Chloride	U		0.00116	0.00578	1	03/15/2018 17:49	WG1084660
4-Methyl-2-pentanone (MIBK)	U		0.00217	0.0116	1	03/15/2018 17:49	WG1084660

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000245	0.00116	1	03/15/2018 17:49	WG1084660
Naphthalene	U		0.00116	0.00578	1	03/15/2018 17:49	WG1084660
n-Propylbenzene	U		0.000238	0.00116	1	03/15/2018 17:49	WG1084660
Styrene	U		0.000271	0.00116	1	03/15/2018 17:49	WG1084660
1,1,1,2-Tetrachloroethane	U		0.000305	0.00116	1	03/15/2018 17:49	WG1084660
1,1,2,2-Tetrachloroethane	U		0.000422	0.00116	1	03/15/2018 17:49	WG1084660
1,1,2-Trichlorotrifluoroethane	U		0.000422	0.00116	1	03/15/2018 17:49	WG1084660
Tetrachloroethene	U		0.000319	0.00116	1	03/15/2018 17:49	WG1084660
Toluene	U		0.000502	0.00578	1	03/15/2018 17:49	WG1084660
1,2,3-Trichlorobenzene	U		0.000354	0.00116	1	03/15/2018 17:49	WG1084660
1,2,4-Trichlorobenzene	U		0.000449	0.00116	1	03/15/2018 17:49	WG1084660
1,1,1-Trichloroethane	U		0.000331	0.00116	1	03/15/2018 17:49	WG1084660
1,1,2-Trichloroethane	U		0.000320	0.00116	1	03/15/2018 17:49	WG1084660
Trichloroethene	U		0.000323	0.00116	1	03/15/2018 17:49	WG1084660
Trichlorofluoromethane	U		0.000442	0.00578	1	03/15/2018 17:49	WG1084660
1,2,3-Trichloropropane	U		0.000857	0.00289	1	03/15/2018 17:49	WG1084660
1,2,4-Trimethylbenzene	U		0.000244	0.00116	1	03/15/2018 17:49	WG1084660
1,2,3-Trimethylbenzene	U		0.000332	0.00116	1	03/15/2018 17:49	WG1084660
1,3,5-Trimethylbenzene	U		0.000308	0.00116	1	03/15/2018 17:49	WG1084660
Vinyl acetate	U		0.00276	0.0116	1	03/15/2018 17:49	WG1084660
Vinyl chloride	U		0.000337	0.00116	1	03/15/2018 17:49	WG1084660
Xylenes, Total	U		0.000807	0.00347	1	03/15/2018 17:49	WG1084660
(S) Toluene-d8	*97.4*			*80.0-120*		*03/15/2018 17:49*	WG1084660
(S) Dibromofluoromethane	*111*			*74.0-131*		*03/15/2018 17:49*	WG1084660
(S) 4-Bromofluorobenzene	*95.4*			*64.0-132*		*03/15/2018 17:49*	WG1084660

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U	J0	1.05	25.0	1	03/14/2018 20:53	WG1084690
Acrylonitrile	U		0.873	5.00	1	03/14/2018 20:53	WG1084690
Benzene	U		0.0896	0.500	1	03/14/2018 20:53	WG1084690
Bromobenzene	U		0.133	0.500	1	03/14/2018 20:53	WG1084690
Bromodichloromethane	U		0.0800	0.500	1	03/14/2018 20:53	WG1084690
Bromochloromethane	U		0.145	0.500	1	03/14/2018 20:53	WG1084690
Bromoform	U		0.186	0.500	1	03/14/2018 20:53	WG1084690
Bromomethane	U		0.157	2.50	1	03/14/2018 20:53	WG1084690
n-Butylbenzene	U		0.143	0.500	1	03/14/2018 20:53	WG1084690
sec-Butylbenzene	U		0.134	0.500	1	03/14/2018 20:53	WG1084690
tert-Butylbenzene	U		0.183	0.500	1	03/14/2018 20:53	WG1084690
Carbon disulfide	U		0.101	0.500	1	03/14/2018 20:53	WG1084690
Carbon tetrachloride	U		0.159	0.500	1	03/14/2018 20:53	WG1084690
Chlorobenzene	U		0.140	0.500	1	03/14/2018 20:53	WG1084690
Chlorodibromomethane	U		0.128	0.500	1	03/14/2018 20:53	WG1084690
Chloroethane	U		0.141	2.50	1	03/14/2018 20:53	WG1084690
Chloroform	U		0.0860	0.500	1	03/14/2018 20:53	WG1084690
Chloromethane	U		0.153	1.25	1	03/14/2018 20:53	WG1084690
2-Chlorotoluene	U		0.111	0.500	1	03/14/2018 20:53	WG1084690
4-Chlorotoluene	U		0.0972	0.500	1	03/14/2018 20:53	WG1084690
1,2-Dibromo-3-Chloropropane	U	J4	0.325	2.50	1	03/14/2018 20:53	WG1084690
1,2-Dibromoethane	U		0.193	0.500	1	03/14/2018 20:53	WG1084690
Dibromomethane	U		0.117	0.500	1	03/14/2018 20:53	WG1084690
1,2-Dichlorobenzene	U		0.101	0.500	1	03/14/2018 20:53	WG1084690
1,3-Dichlorobenzene	U		0.130	0.500	1	03/14/2018 20:53	WG1084690
1,4-Dichlorobenzene	U		0.121	0.500	1	03/14/2018 20:53	WG1084690
Dichlorodifluoromethane	U		0.127	2.50	1	03/14/2018 20:53	WG1084690
1,1-Dichloroethane	U		0.114	0.500	1	03/14/2018 20:53	WG1084690
1,2-Dichloroethane	U		0.108	0.500	1	03/14/2018 20:53	WG1084690
1,1-Dichloroethene	U		0.188	0.500	1	03/14/2018 20:53	WG1084690
cis-1,2-Dichloroethene	U		0.0933	0.500	1	03/14/2018 20:53	WG1084690
trans-1,2-Dichloroethene	U		0.152	0.500	1	03/14/2018 20:53	WG1084690
1,2-Dichloropropane	U		0.190	0.500	1	03/14/2018 20:53	WG1084690
1,1-Dichloropropene	U		0.128	0.500	1	03/14/2018 20:53	WG1084690
1,3-Dichloropropane	U		0.147	1.00	1	03/14/2018 20:53	WG1084690
cis-1,3-Dichloropropene	U		0.0976	0.500	1	03/14/2018 20:53	WG1084690
trans-1,3-Dichloropropene	U		0.222	0.500	1	03/14/2018 20:53	WG1084690
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	03/14/2018 20:53	WG1084690
2,2-Dichloropropane	U		0.0929	0.500	1	03/14/2018 20:53	WG1084690
Di-isopropyl ether	U		0.0924	0.500	1	03/14/2018 20:53	WG1084690
Ethylbenzene	U		0.158	0.500	1	03/14/2018 20:53	WG1084690
Hexachloro-1,3-butadiene	U		0.157	1.00	1	03/14/2018 20:53	WG1084690
2-Hexanone	U		0.757	5.00	1	03/14/2018 20:53	WG1084690
n-Hexane	U		0.305	5.00	1	03/14/2018 20:53	WG1084690
Iodomethane	U		0.377	10.0	1	03/14/2018 20:53	WG1084690
Isopropylbenzene	U		0.126	0.500	1	03/14/2018 20:53	WG1084690
p-Isopropyltoluene	U		0.138	0.500	1	03/14/2018 20:53	WG1084690
2-Butanone (MEK)	U		1.28	5.00	1	03/14/2018 20:53	WG1084690
Methylene Chloride	U		1.07	2.50	1	03/14/2018 20:53	WG1084690
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	03/14/2018 20:53	WG1084690
Methyl tert-butyl ether	U		0.102	0.500	1	03/14/2018 20:53	WG1084690
Naphthalene	U		0.174	2.50	1	03/14/2018 20:53	WG1084690
n-Propylbenzene	U		0.162	0.500	1	03/14/2018 20:53	WG1084690
Styrene	U		0.117	0.500	1	03/14/2018 20:53	WG1084690
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	03/14/2018 20:53	WG1084690
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	03/14/2018 20:53	WG1084690

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	03/14/2018 20:53	WG1084690
Tetrachloroethene	U		0.199	0.500	1	03/14/2018 20:53	WG1084690
Toluene	U		0.412	0.500	1	03/14/2018 20:53	WG1084690
1,2,3-Trichlorobenzene	U		0.164	0.500	1	03/14/2018 20:53	WG1084690
1,2,4-Trichlorobenzene	U		0.355	0.500	1	03/14/2018 20:53	WG1084690
1,1,1-Trichloroethane	U		0.0940	0.500	1	03/14/2018 20:53	WG1084690
1,1,2-Trichloroethane	U		0.186	0.500	1	03/14/2018 20:53	WG1084690
Trichloroethene	U		0.153	0.500	1	03/14/2018 20:53	WG1084690
Trichlorofluoromethane	U		0.130	2.50	1	03/14/2018 20:53	WG1084690
1,2,3-Trichloropropane	U		0.247	2.50	1	03/14/2018 20:53	WG1084690
1,2,4-Trimethylbenzene	U		0.123	0.500	1	03/14/2018 20:53	WG1084690
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	03/14/2018 20:53	WG1084690
1,3,5-Trimethylbenzene	U		0.124	0.500	1	03/14/2018 20:53	WG1084690
Vinyl acetate	U	J4	0.645	5.00	1	03/14/2018 20:53	WG1084690
Vinyl chloride	U		0.118	0.500	1	03/14/2018 20:53	WG1084690
Xylenes, Total	U		0.316	1.50	1	03/14/2018 20:53	WG1084690
(S) Toluene-d8	*102*			*80.0-120*		*03/14/2018 20:53*	WG1084690
(S) Dibromofluoromethane	*99.7*			*76.0-123*		*03/14/2018 20:53*	WG1084690
(S) 4-Bromofluorobenzene	*102*			*80.0-120*		*03/14/2018 20:53*	WG1084690

Method Blank (MB)

(MB) R3294888-1 03/20/18 09:39

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.000			

L977241-15 Original Sample (OS) • Duplicate (DUP)

(OS) L977241-15 03/20/18 09:39 • (DUP) R3294888-3 03/20/18 09:39

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	99.2	99.9	1	0.708		5

Laboratory Control Sample (LCS)

(LCS) R3294888-2 03/20/18 09:39

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	85.0-115	

Method Blank (MB)

(MB) R3294894-1 03/20/18 10:59

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	%		%	%
Total Solids	0.000			

L977245-09 Original Sample (OS) • Duplicate (DUP)

(OS) L977245-09 03/20/18 10:59 • (DUP) R3294894-3 03/20/18 10:59

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	%	%		%		%
Total Solids	90.0	89.9	1	0.153		5

Laboratory Control Sample (LCS)

(LCS) R3294894-2 03/20/18 10:59

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	%	%	%	%	
Total Solids	50.0	50.0	100	85.0-115	

Method Blank (MB)

(MB) R3294893-1 03/20/18 10:08

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.000			

L977249-06 Original Sample (OS) • Duplicate (DUP)

(OS) L977249-06 03/20/18 10:08 • (DUP) R3294893-3 03/20/18 10:08

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	95.3	95.2	1	0.103		5

Laboratory Control Sample (LCS)

(LCS) R3294893-2 03/20/18 10:08

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	85.0-115	

Method Blank (MB)

(MB) R3293577-3 03/15/18 10:32

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acetone	U		0.0100	0.0500
Acrylonitrile	U		0.00179	0.0100
Benzene	U		0.000270	0.00100
Bromobenzene	U		0.000284	0.00100
Bromodichloromethane	U		0.000254	0.00100
Bromochloromethane	U		0.000390	0.00500
Bromoform	U		0.000424	0.00100
Bromomethane	U		0.00134	0.00500
n-Butylbenzene	U		0.000258	0.00100
sec-Butylbenzene	U		0.000201	0.00100
tert-Butylbenzene	U		0.000206	0.00100
Carbon disulfide	U		0.000221	0.00100
Carbon tetrachloride	U		0.000328	0.00100
Chlorobenzene	U		0.000212	0.00100
Chlorodibromomethane	U		0.000373	0.00100
Chloroethane	U		0.000946	0.00500
Chloroform	U		0.000229	0.00500
Chloromethane	U		0.000375	0.00250
2-Chlorotoluene	U		0.000301	0.00100
4-Chlorotoluene	U		0.000240	0.00100
1,2-Dibromo-3-Chloropropane	U		0.00105	0.00500
1,2-Dibromoethane	U		0.000343	0.00100
Dibromomethane	U		0.000382	0.00100
1,2-Dichlorobenzene	U		0.000305	0.00100
1,3-Dichlorobenzene	U		0.000239	0.00100
1,4-Dichlorobenzene	U		0.000226	0.00100
trans-1,4-Dichloro-2-butene	U		0.000778	0.00250
Dichlorodifluoromethane	U		0.000713	0.00500
1,1-Dichloroethane	U		0.000199	0.00100
1,2-Dichloroethane	U		0.000265	0.00100
1,1-Dichloroethene	U		0.000303	0.00100
cis-1,2-Dichloroethene	U		0.000235	0.00100
trans-1,2-Dichloroethene	U		0.000264	0.00100
1,2-Dichloropropane	U		0.000358	0.00100
1,1-Dichloropropene	U		0.000317	0.00100
1,3-Dichloropropane	U		0.000207	0.00100
cis-1,3-Dichloropropene	U		0.000262	0.00100
trans-1,3-Dichloropropene	U		0.000267	0.00100
2,2-Dichloropropane	U		0.000279	0.00100
Di-isopropyl ether	U		0.000248	0.00100

Method Blank (MB)

(MB) R3293577-3 03/15/18 10:32

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Ethylbenzene	U		0.000297	0.00100
Hexachloro-1,3-butadiene	U		0.000342	0.00100
2-Hexanone	U		0.00137	0.0100
n-Hexane	U		0.000290	0.0100
Iodomethane	U		0.00253	0.0100
Isopropylbenzene	U		0.000243	0.00100
p-Isopropyltoluene	U		0.000204	0.00100
2-Butanone (MEK)	U		0.00468	0.0100
Methylene Chloride	U		0.00100	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.00188	0.0100
Methyl tert-butyl ether	U		0.000212	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.000206	0.00100
Styrene	U		0.000234	0.00100
1,1,1,2-Tetrachloroethane	U		0.000264	0.00100
1,1,2,2-Tetrachloroethane	U		0.000365	0.00100
Tetrachloroethene	U		0.000276	0.00100
Toluene	U		0.000434	0.00500
1,1,2-Trichlorotrifluoroethane	U		0.000365	0.00100
1,2,3-Trichlorobenzene	U		0.000306	0.00100
1,2,4-Trichlorobenzene	U		0.000388	0.00100
1,1,1-Trichloroethane	U		0.000286	0.00100
1,1,2-Trichloroethane	U		0.000277	0.00100
Trichloroethene	U		0.000279	0.00100
Trichlorofluoromethane	U		0.000382	0.00500
1,2,3-Trichloropropane	U		0.000741	0.00250
1,2,3-Trimethylbenzene	U		0.000287	0.00100
1,2,4-Trimethylbenzene	U		0.000211	0.00100
1,3,5-Trimethylbenzene	U		0.000266	0.00100
Vinyl acetate	U		0.00239	0.0100
Vinyl chloride	U		0.000291	0.00100
Xylenes, Total	U		0.000698	0.00300
(S) Toluene-d8	*104*			*80.0-120*
(S) Dibromofluoromethane	*104*			*74.0-131*
(S) 4-Bromofluorobenzene	*102*			*64.0-132*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3293577-1 03/15/18 09:32 • (LCSD) R3293577-2 03/15/18 09:52

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.125	0.0533	0.0527	42.6	42.1	11.0-160			1.12	23
Acrylonitrile	0.125	0.131	0.133	105	107	61.0-143			1.88	20
Benzene	0.0250	0.0249	0.0257	99.5	103	71.0-124			3.29	20
Bromobenzene	0.0250	0.0247	0.0252	98.6	101	78.0-120			2.03	20
Bromodichloromethane	0.0250	0.0237	0.0240	94.9	95.9	75.0-120			1.06	20
Bromochloromethane	0.0250	0.0261	0.0269	105	108	80.0-121			2.82	20
Bromoform	0.0250	0.0276	0.0270	110	108	65.0-133			2.05	20
Bromomethane	0.0250	0.0222	0.0227	88.9	90.7	26.0-160			2.01	20
n-Butylbenzene	0.0250	0.0256	0.0258	102	103	73.0-126			0.944	20
sec-Butylbenzene	0.0250	0.0260	0.0263	104	105	75.0-121			1.30	20
tert-Butylbenzene	0.0250	0.0252	0.0259	101	104	74.0-122			2.55	20
Carbon disulfide	0.0250	0.0202	0.0210	80.7	84.0	53.0-130			4.03	20
Carbon tetrachloride	0.0250	0.0243	0.0253	97.2	101	66.0-123			3.91	20
Chlorobenzene	0.0250	0.0267	0.0275	107	110	79.0-121			2.80	20
Chlorodibromomethane	0.0250	0.0266	0.0260	106	104	74.0-128			2.07	20
Chloroethane	0.0250	0.0223	0.0234	89.0	93.5	51.0-147			4.89	20
Chloroform	0.0250	0.0248	0.0259	99.2	104	73.0-123			4.24	20
Chloromethane	0.0250	0.0221	0.0240	88.4	95.9	51.0-138			8.19	20
2-Chlorotoluene	0.0250	0.0255	0.0258	102	103	72.0-124			1.39	20
4-Chlorotoluene	0.0250	0.0260	0.0262	104	105	78.0-120			0.646	20
1,2-Dibromo-3-Chloropropane	0.0250	0.0252	0.0245	101	98.2	65.0-126			2.56	20
1,2-Dibromoethane	0.0250	0.0274	0.0264	110	106	78.0-122			3.73	20
Dibromomethane	0.0250	0.0256	0.0248	102	99.3	79.0-120			3.01	20
1,2-Dichlorobenzene	0.0250	0.0259	0.0259	103	104	80.0-120			0.279	20
1,3-Dichlorobenzene	0.0250	0.0255	0.0258	102	103	72.0-123			1.02	20
1,4-Dichlorobenzene	0.0250	0.0250	0.0253	99.9	101	77.0-120			1.46	20
trans-1,4-Dichloro-2-butene	0.0250	0.0258	0.0250	103	100	68.0-126			3.05	20
Dichlorodifluoromethane	0.0250	0.0174	0.0194	69.7	77.4	49.0-155			10.5	20
1,1-Dichloroethane	0.0250	0.0251	0.0263	100	105	70.0-128			4.80	20
1,2-Dichloroethane	0.0250	0.0236	0.0241	94.3	96.5	69.0-128			2.25	20
1,1-Dichloroethene	0.0250	0.0218	0.0226	87.1	90.5	63.0-131			3.87	20
cis-1,2-Dichloroethene	0.0250	0.0257	0.0268	103	107	74.0-123			4.21	20
trans-1,2-Dichloroethene	0.0250	0.0247	0.0256	98.7	102	72.0-122			3.63	20
1,2-Dichloropropane	0.0250	0.0245	0.0247	97.9	98.6	75.0-126			0.790	20
1,1-Dichloropropene	0.0250	0.0258	0.0268	103	107	72.0-130			3.60	20
1,3-Dichloropropane	0.0250	0.0261	0.0254	105	102	80.0-121			2.98	20
cis-1,3-Dichloropropene	0.0250	0.0268	0.0265	107	106	80.0-125			0.991	20
trans-1,3-Dichloropropene	0.0250	0.0274	0.0270	109	108	75.0-129			1.16	20
2,2-Dichloropropane	0.0250	0.0239	0.0257	95.6	103	60.0-129			7.37	20
Di-isopropyl ether	0.0250	0.0261	0.0270	105	108	62.0-133			3.26	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3293577-1 03/15/18 09:32 • (LCSD) R3293577-2 03/15/18 09:52

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Ethylbenzene	0.0250	0.0260	0.0263	104	105	77.0-120			1.11	20
Hexachloro-1,3-butadiene	0.0250	0.0259	0.0268	104	107	68.0-128			3.46	20
2-Hexanone	0.125	0.112	0.109	89.5	86.8	61.0-143			2.97	20
n-Hexane	0.0250	0.0231	0.0237	92.4	94.8	57.0-125			2.56	20
Iodomethane	0.125	0.119	0.124	95.1	99.0	67.0-132			4.04	20
Isopropylbenzene	0.0250	0.0263	0.0266	105	106	75.0-120			1.27	20
p-Isopropyltoluene	0.0250	0.0266	0.0273	106	109	74.0-125			2.71	20
2-Butanone (MEK)	0.125	0.0894	0.0854	71.5	68.4	37.0-159			4.51	20
Methylene Chloride	0.0250	0.0223	0.0231	89.1	92.3	67.0-123			3.52	20
4-Methyl-2-pentanone (MIBK)	0.125	0.137	0.134	109	107	60.0-144			1.89	20
Methyl tert-butyl ether	0.0250	0.0244	0.0248	97.7	99.3	66.0-125			1.62	20
Naphthalene	0.0250	0.0237	0.0237	94.6	94.8	64.0-125			0.145	20
n-Propylbenzene	0.0250	0.0253	0.0257	101	103	78.0-120			1.75	20
Styrene	0.0250	0.0257	0.0259	103	104	78.0-124			0.932	20
1,1,1,2-Tetrachloroethane	0.0250	0.0262	0.0264	105	106	74.0-124			0.560	20
1,1,2,2-Tetrachloroethane	0.0250	0.0252	0.0252	101	101	73.0-120			0.235	20
Tetrachloroethene	0.0250	0.0263	0.0261	105	105	70.0-127			0.765	20
Toluene	0.0250	0.0244	0.0245	97.7	97.9	77.0-120			0.188	20
1,1,2-Trichlorotrifluoroethane	0.0250	0.0233	0.0247	93.3	98.9	64.0-135			5.85	20
1,2,3-Trichlorobenzene	0.0250	0.0238	0.0238	95.1	95.1	68.0-126			0.0435	20
1,2,4-Trichlorobenzene	0.0250	0.0248	0.0249	99.2	99.4	70.0-127			0.276	20
1,1,1-Trichloroethane	0.0250	0.0246	0.0254	98.4	102	69.0-125			3.07	20
1,1,2-Trichloroethane	0.0250	0.0265	0.0257	106	103	78.0-120			2.82	20
Trichloroethene	0.0250	0.0270	0.0275	108	110	79.0-120			2.00	20
Trichlorofluoromethane	0.0250	0.0209	0.0220	83.6	87.9	59.0-136			4.97	20
1,2,3-Trichloropropane	0.0250	0.0260	0.0246	104	98.5	73.0-124			5.31	20
1,2,3-Trimethylbenzene	0.0250	0.0270	0.0272	108	109	76.0-120			0.527	20
1,2,4-Trimethylbenzene	0.0250	0.0267	0.0271	107	109	75.0-120			1.50	20
1,3,5-Trimethylbenzene	0.0250	0.0259	0.0266	104	106	75.0-120			2.59	20
Vinyl acetate	0.125	0.138	0.136	110	109	58.0-156			1.08	20
Vinyl chloride	0.0250	0.0199	0.0213	79.7	85.2	63.0-134			6.68	20
Xylenes, Total	0.0750	0.0782	0.0803	104	107	77.0-120			2.65	20
(S) Toluene-d8				*103*	*104*	*80.0-120*				
(S) Dibromofluoromethane				*98.6*	*101*	*74.0-131*				
(S) 4-Bromofluorobenzene				*96.8*	*98.5*	*64.0-132*				

L977215-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L977215-02 03/15/18 19:49 • (MS) R3293577-4 03/15/18 20:09 • (MSD) R3293577-5 03/15/18 20:29

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acetone	0.125	ND	104	100	83.1	80.3	1000	10.0-160			3.49	36
Acrylonitrile	0.125	ND	142	132	114	106	1000	14.0-160			7.24	33
Benzene	0.0250	ND	24.5	23.6	98.0	94.6	1000	13.0-146			3.52	27
Bromobenzene	0.0250	ND	111	104	445	415	1000	10.0-149	J5	J5	6.92	33
Bromodichloromethane	0.0250	ND	24.9	24.7	99.6	98.9	1000	15.0-142			0.737	28
Bromochloromethane	0.0250	ND	26.6	26.3	107	105	1000	24.0-146			1.26	27
Bromoform	0.0250	ND	32.1	30.1	128	121	1000	10.0-147			6.18	31
Bromomethane	0.0250	ND	22.1	21.0	88.5	84.0	1000	10.0-160			5.31	32
n-Butylbenzene	0.0250	87.2	115	112	110	101	1000	10.0-154			1.94	37
sec-Butylbenzene	0.0250	82.5	118	116	143	136	1000	10.0-151			1.61	36
tert-Butylbenzene	0.0250	ND	24.9	24.2	99.4	96.6	1000	10.0-152			2.82	35
Carbon disulfide	0.0250	ND	20.4	19.5	81.5	77.9	1000	10.0-141			4.51	30
Carbon tetrachloride	0.0250	ND	22.7	23.3	90.9	93.1	1000	13.0-140			2.41	30
Chlorobenzene	0.0250	ND	27.6	26.7	111	107	1000	10.0-149			3.55	31
Chlorodibromomethane	0.0250	ND	27.4	26.8	110	107	1000	12.0-147			2.39	29
Chloroethane	0.0250	ND	22.5	21.1	89.9	84.5	1000	10.0-159			6.14	33
Chloroform	0.0250	ND	24.9	24.3	99.6	97.0	1000	18.0-148			2.64	28
Chloromethane	0.0250	ND	24.7	23.5	98.8	93.9	1000	10.0-146			5.09	29
2-Chlorotoluene	0.0250	ND	193	184	771	735	1000	10.0-151	J5	J5	4.78	35
4-Chlorotoluene	0.0250	ND	27.6	25.9	111	104	1000	10.0-150			6.52	35
1,2-Dibromo-3-Chloropropane	0.0250	ND	28.2	27.9	113	112	1000	10.0-149			1.06	34
1,2-Dibromoethane	0.0250	ND	29.2	28.1	117	112	1000	14.0-145			3.80	28
Dibromomethane	0.0250	ND	26.7	26.4	107	106	1000	18.0-144			1.01	27
1,2-Dichlorobenzene	0.0250	ND	25.9	25.3	104	101	1000	10.0-153			2.60	34
1,3-Dichlorobenzene	0.0250	ND	26.5	25.3	106	101	1000	10.0-150			4.93	35
1,4-Dichlorobenzene	0.0250	ND	23.6	22.4	94.2	89.8	1000	10.0-148			4.82	34
trans-1,4-Dichloro-2-butene	0.0250	538	32.4	27.6	0.000	0.000	1000	10.0-160	V	V	15.9	40
Dichlorodifluoromethane	0.0250	ND	26.6	25.1	106	101	1000	10.0-160			5.73	30
1,1-Dichloroethane	0.0250	ND	25.0	24.2	99.9	96.7	1000	19.0-148			3.20	28
1,2-Dichloroethane	0.0250	ND	24.1	23.3	96.4	93.2	1000	17.0-147			3.28	27
1,1-Dichloroethene	0.0250	ND	21.6	20.9	86.2	83.6	1000	10.0-150			3.15	31
cis-1,2-Dichloroethene	0.0250	ND	25.9	25.3	104	101	1000	16.0-145			2.28	28
trans-1,2-Dichloroethene	0.0250	ND	24.2	23.1	96.6	92.4	1000	11.0-142			4.51	29
1,2-Dichloropropane	0.0250	ND	25.3	24.7	101	98.8	1000	17.0-148			2.25	28
1,1-Dichloropropene	0.0250	ND	25.2	23.9	101	95.6	1000	10.0-150			5.47	30
1,3-Dichloropropane	0.0250	ND	28.6	27.8	114	111	1000	16.0-148			2.82	27
cis-1,3-Dichloropropene	0.0250	ND	28.2	27.7	113	111	1000	13.0-150			1.83	28
trans-1,3-Dichloropropene	0.0250	ND	28.4	27.7	114	111	1000	10.0-152			2.70	29
2,2-Dichloropropane	0.0250	ND	22.8	21.9	91.4	87.6	1000	16.0-143			4.24	30
Di-isopropyl ether	0.0250	ND	26.0	25.3	104	101	1000	16.0-149			2.74	28

L977215-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L977215-02 03/15/18 19:49 • (MS) R3293577-4 03/15/18 20:09 • (MSD) R3293577-5 03/15/18 20:29

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Ethylbenzene	0.0250	7.43	36.1	33.8	115	105	1000	10.0-147			6.69	31
Hexachloro-1,3-butadiene	0.0250	ND	16.3	16.7	65.1	66.9	1000	10.0-154			2.67	40
2-Hexanone	0.125	ND	136	140	109	112	1000	12.0-158			2.77	30
n-Hexane	0.0250	ND	23.5	22.4	93.8	89.5	1000	10.0-140			4.74	34
Iodomethane	0.125	ND	120	119	96.4	95.0	1000	10.0-157			1.50	34
Isopropylbenzene	0.0250	93.0	135	128	170	141	1000	10.0-147	J5		5.53	33
p-Isopropyltoluene	0.0250	41.9	202	196	639	618	1000	10.0-156	E J5	J5	2.73	37
2-Butanone (MEK)	0.125	25.5	162	152	110	101	1000	10.0-160			6.81	33
Methylene Chloride	0.0250	ND	22.7	21.8	90.7	87.3	1000	16.0-139			3.84	29
4-Methyl-2-pentanone (MIBK)	0.125	ND	152	144	122	115	1000	12.0-160			5.44	32
Methyl tert-butyl ether	0.0250	ND	25.6	25.5	102	102	1000	21.0-145			0.604	29
Naphthalene	0.0250	ND	21.7	22.3	87.0	89.1	1000	10.0-153			2.43	36
n-Propylbenzene	0.0250	699	790	740	366	163	1000	10.0-151	E V	E V	6.62	34
Styrene	0.0250	36.1	73.9	69.2	151	133	1000	10.0-155			6.56	34
1,1,1,2-Tetrachloroethane	0.0250	ND	25.8	25.4	103	102	1000	10.0-147			1.54	30
1,1,2,2-Tetrachloroethane	0.0250	ND	25.3	23.6	101	94.6	1000	10.0-155			6.59	31
Tetrachloroethene	0.0250	ND	26.6	24.1	106	96.6	1000	10.0-144			9.59	32
Toluene	0.0250	ND	26.5	25.1	104	98.7	1000	10.0-144			5.25	28
1,1,2-Trichlorotrifluoroethane	0.0250	ND	23.3	22.2	93.3	88.7	1000	10.0-153			5.07	33
1,2,3-Trichlorobenzene	0.0250	ND	15.7	15.9	62.7	63.7	1000	10.0-153			1.62	40
1,2,4-Trichlorobenzene	0.0250	ND	18.1	17.7	72.3	70.7	1000	10.0-156			2.23	40
1,1,1-Trichloroethane	0.0250	ND	23.5	22.6	94.0	90.6	1000	18.0-145			3.71	29
1,1,2-Trichloroethane	0.0250	ND	28.1	27.9	112	112	1000	12.0-151			0.863	28
Trichloroethene	0.0250	ND	27.3	26.2	109	105	1000	11.0-148			3.86	29
Trichlorofluoromethane	0.0250	ND	22.6	21.3	90.5	85.3	1000	10.0-157			5.90	34
1,2,3-Trichloropropane	0.0250	ND	30.6	29.6	122	118	1000	10.0-154			3.45	32
1,2,3-Trimethylbenzene	0.0250	1230	1400	1330	669	402	1000	10.0-150	E V	E V	4.89	33
1,2,4-Trimethylbenzene	0.0250	2480	ND	ND	0.000	0.000	1000	10.0-151	V	V	0.000	34
1,3,5-Trimethylbenzene	0.0250	1250	1420	1340	681	383	1000	10.0-150	E V	E V	5.40	33
Vinyl acetate	0.125	ND	111	98.5	88.7	78.8	1000	10.0-160			11.9	40
Vinyl chloride	0.0250	ND	22.8	21.9	91.1	87.7	1000	10.0-150			3.82	29
Xylenes, Total	0.0750	61.6	148	144	115	110	1000	10.0-150			2.46	31
(S) Toluene-d8					*108*	*107*		*80.0-120*				
(S) Dibromofluoromethane					*96.0*	*95.9*		*74.0-131*				
(S) 4-Bromofluorobenzene					*111*	*109*		*64.0-132*				

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Method Blank (MB)

(MB) R3294787-3 03/17/18 12:59

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acetone	U		0.0100	0.0500
Acrylonitrile	U		0.00179	0.0100
Benzene	U		0.000270	0.00100
Bromobenzene	U		0.000284	0.00100
Bromodichloromethane	U		0.000254	0.00100
Bromochloromethane	U		0.000390	0.00500
Bromoform	U		0.000424	0.00100
Bromomethane	U		0.00134	0.00500
n-Butylbenzene	U		0.000258	0.00100
sec-Butylbenzene	U		0.000201	0.00100
tert-Butylbenzene	U		0.000206	0.00100
Carbon disulfide	U		0.000221	0.00100
Carbon tetrachloride	U		0.000328	0.00100
Chlorobenzene	U		0.000212	0.00100
Chlorodibromomethane	U		0.000373	0.00100
Chloroethane	U		0.000946	0.00500
Chloroform	U		0.000229	0.00500
Chloromethane	U		0.000375	0.00250
2-Chlorotoluene	U		0.000301	0.00100
4-Chlorotoluene	U		0.000240	0.00100
1,2-Dibromo-3-Chloropropane	U		0.00105	0.00500
1,2-Dibromoethane	U		0.000343	0.00100
Dibromomethane	U		0.000382	0.00100
1,2-Dichlorobenzene	U		0.000305	0.00100
1,3-Dichlorobenzene	U		0.000239	0.00100
1,4-Dichlorobenzene	U		0.000226	0.00100
trans-1,4-Dichloro-2-butene	U		0.000778	0.00250
Dichlorodifluoromethane	U		0.000713	0.00500
1,1-Dichloroethane	U		0.000199	0.00100
1,2-Dichloroethane	U		0.000265	0.00100
1,1-Dichloroethene	U		0.000303	0.00100
cis-1,2-Dichloroethene	U		0.000235	0.00100
trans-1,2-Dichloroethene	U		0.000264	0.00100
1,2-Dichloropropane	U		0.000358	0.00100
1,1-Dichloropropene	U		0.000317	0.00100
1,3-Dichloropropane	U		0.000207	0.00100
cis-1,3-Dichloropropene	U		0.000262	0.00100
trans-1,3-Dichloropropene	U		0.000267	0.00100
2,2-Dichloropropane	U		0.000279	0.00100
Di-isopropyl ether	U		0.000248	0.00100

Method Blank (MB)

(MB) R3294787-3 03/17/18 12:59

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/kg		mg/kg	mg/kg
Ethylbenzene	U		0.000297	0.00100
Hexachloro-1,3-butadiene	U		0.000342	0.00100
2-Hexanone	U		0.00137	0.0100
n-Hexane	U		0.000290	0.0100
Iodomethane	U		0.00253	0.0100
Isopropylbenzene	U		0.000243	0.00100
p-Isopropyltoluene	U		0.000204	0.00100
2-Butanone (MEK)	U		0.00468	0.0100
Methylene Chloride	U		0.00100	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.00188	0.0100
Methyl tert-butyl ether	U		0.000212	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.000206	0.00100
Styrene	U		0.000234	0.00100
1,1,1,2-Tetrachloroethane	U		0.000264	0.00100
1,1,2,2-Tetrachloroethane	U		0.000365	0.00100
Tetrachloroethene	U		0.000276	0.00100
Toluene	U		0.000434	0.00500
1,1,2-Trichlorotrifluoroethane	U		0.000365	0.00100
1,2,3-Trichlorobenzene	U		0.000306	0.00100
1,2,4-Trichlorobenzene	U		0.000388	0.00100
1,1,1-Trichloroethane	U		0.000286	0.00100
1,1,2-Trichloroethane	U		0.000277	0.00100
Trichloroethene	U		0.000279	0.00100
Trichlorofluoromethane	U		0.000382	0.00500
1,2,3-Trichloropropane	U		0.000741	0.00250
1,2,3-Trimethylbenzene	U		0.000287	0.00100
1,2,4-Trimethylbenzene	U		0.000211	0.00100
1,3,5-Trimethylbenzene	U		0.000266	0.00100
Vinyl acetate	U		0.00239	0.0100
Vinyl chloride	U		0.000291	0.00100
Xylenes, Total	U		0.000698	0.00300
(S) Toluene-d8	*106*			*80.0-120*
(S) Dibromofluoromethane	*103*			*74.0-131*
(S) 4-Bromofluorobenzene	*91.8*			*64.0-132*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3294787-1 03/17/18 11:23 • (LCSD) R3294787-2 03/17/18 11:59

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.125	0.120	0.108	96.3	86.7	11.0-160			10.5	23
Acrylonitrile	0.125	0.127	0.126	102	101	61.0-143			0.932	20
Benzene	0.0250	0.0262	0.0261	105	104	71.0-124			0.169	20
Bromobenzene	0.0250	0.0270	0.0274	108	110	78.0-120			1.38	20
Bromodichloromethane	0.0250	0.0270	0.0273	108	109	75.0-120			1.09	20
Bromochloromethane	0.0250	0.0289	0.0292	116	117	80.0-121			0.952	20
Bromoform	0.0250	0.0288	0.0278	115	111	65.0-133			3.73	20
Bromomethane	0.0250	0.0257	0.0289	103	115	26.0-160			11.6	20
n-Butylbenzene	0.0250	0.0268	0.0270	107	108	73.0-126			0.854	20
sec-Butylbenzene	0.0250	0.0260	0.0260	104	104	75.0-121			0.215	20
tert-Butylbenzene	0.0250	0.0254	0.0252	102	101	74.0-122			0.777	20
Carbon disulfide	0.0250	0.0247	0.0266	98.8	106	53.0-130			7.20	20
Carbon tetrachloride	0.0250	0.0238	0.0250	95.2	99.9	66.0-123			4.83	20
Chlorobenzene	0.0250	0.0274	0.0292	110	117	79.0-121			6.37	20
Chlorodibromomethane	0.0250	0.0269	0.0287	108	115	74.0-128			6.55	20
Chloroethane	0.0250	0.0231	0.0259	92.3	104	51.0-147			11.6	20
Chloroform	0.0250	0.0276	0.0285	110	114	73.0-123			2.97	20
Chloromethane	0.0250	0.0208	0.0217	83.2	86.6	51.0-138			3.99	20
2-Chlorotoluene	0.0250	0.0274	0.0275	110	110	72.0-124			0.372	20
4-Chlorotoluene	0.0250	0.0266	0.0270	106	108	78.0-120			1.49	20
1,2-Dibromo-3-Chloropropane	0.0250	0.0260	0.0250	104	99.8	65.0-126			4.20	20
1,2-Dibromoethane	0.0250	0.0276	0.0288	111	115	78.0-122			4.01	20
Dibromomethane	0.0250	0.0268	0.0266	107	106	79.0-120			0.634	20
1,2-Dichlorobenzene	0.0250	0.0287	0.0288	115	115	80.0-120			0.454	20
1,3-Dichlorobenzene	0.0250	0.0279	0.0285	112	114	72.0-123			2.05	20
1,4-Dichlorobenzene	0.0250	0.0282	0.0290	113	116	77.0-120			2.80	20
trans-1,4-Dichloro-2-butene	0.0250	0.0249	0.0249	99.6	99.7	68.0-126			0.155	20
Dichlorodifluoromethane	0.0250	0.0244	0.0243	97.7	97.4	49.0-155			0.345	20
1,1-Dichloroethane	0.0250	0.0263	0.0268	105	107	70.0-128			1.88	20
1,2-Dichloroethane	0.0250	0.0282	0.0279	113	112	69.0-128			0.979	20
1,1-Dichloroethene	0.0250	0.0275	0.0290	110	116	63.0-131			5.31	20
cis-1,2-Dichloroethene	0.0250	0.0269	0.0275	107	110	74.0-123			2.31	20
trans-1,2-Dichloroethene	0.0250	0.0269	0.0282	108	113	72.0-122			4.66	20
1,2-Dichloropropane	0.0250	0.0265	0.0266	106	106	75.0-126			0.445	20
1,1-Dichloropropene	0.0250	0.0253	0.0253	101	101	72.0-130			0.133	20
1,3-Dichloropropane	0.0250	0.0276	0.0289	111	116	80.0-121			4.57	20
cis-1,3-Dichloropropene	0.0250	0.0274	0.0295	110	118	80.0-125			7.24	20
trans-1,3-Dichloropropene	0.0250	0.0274	0.0292	109	117	75.0-129			6.47	20
2,2-Dichloropropane	0.0250	0.0238	0.0248	95.1	99.3	60.0-129			4.31	20
Di-isopropyl ether	0.0250	0.0278	0.0279	111	112	62.0-133			0.188	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3294787-1 03/17/18 11:23 • (LCSD) R3294787-2 03/17/18 11:59

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Ethylbenzene	0.0250	0.0260	0.0274	104	110	77.0-120			5.44	20
Hexachloro-1,3-butadiene	0.0250	0.0294	0.0291	118	116	68.0-128			1.33	20
2-Hexanone	0.125	0.138	0.137	111	109	61.0-143			1.23	20
n-Hexane	0.0250	0.0235	0.0236	94.1	94.5	57.0-125			0.397	20
Iodomethane	0.125	0.138	0.151	111	121	67.0-132			8.60	20
Isopropylbenzene	0.0250	0.0247	0.0246	98.9	98.4	75.0-120			0.526	20
p-Isopropyltoluene	0.0250	0.0261	0.0262	104	105	74.0-125			0.189	20
2-Butanone (MEK)	0.125	0.117	0.108	93.8	86.0	37.0-159			8.58	20
Methylene Chloride	0.0250	0.0285	0.0289	114	116	67.0-123			1.32	20
4-Methyl-2-pentanone (MIBK)	0.125	0.124	0.127	98.9	102	60.0-144			2.74	20
Methyl tert-butyl ether	0.0250	0.0306	0.0300	122	120	66.0-125			1.82	20
Naphthalene	0.0250	0.0297	0.0286	119	115	64.0-125			3.60	20
n-Propylbenzene	0.0250	0.0257	0.0256	103	102	78.0-120			0.335	20
Styrene	0.0250	0.0260	0.0256	104	102	78.0-124			1.90	20
1,1,1,2-Tetrachloroethane	0.0250	0.0263	0.0279	105	111	74.0-124			5.86	20
1,1,2,2-Tetrachloroethane	0.0250	0.0277	0.0263	111	105	73.0-120			5.23	20
Tetrachloroethene	0.0250	0.0259	0.0280	104	112	70.0-127			7.74	20
Toluene	0.0250	0.0255	0.0274	102	109	77.0-120			7.21	20
1,1,2-Trichlorotrifluoroethane	0.0250	0.0261	0.0281	104	112	64.0-135			7.35	20
1,2,3-Trichlorobenzene	0.0250	0.0312	0.0300	125	120	68.0-126			3.80	20
1,2,4-Trichlorobenzene	0.0250	0.0305	0.0303	122	121	70.0-127			0.615	20
1,1,1-Trichloroethane	0.0250	0.0247	0.0262	98.9	105	69.0-125			5.97	20
1,1,2-Trichloroethane	0.0250	0.0276	0.0286	110	114	78.0-120			3.75	20
Trichloroethene	0.0250	0.0275	0.0271	110	108	79.0-120			1.33	20
Trichlorofluoromethane	0.0250	0.0274	0.0293	110	117	59.0-136			6.61	20
1,2,3-Trichloropropane	0.0250	0.0266	0.0266	106	106	73.0-124			0.00790	20
1,2,3-Trimethylbenzene	0.0250	0.0277	0.0276	111	110	76.0-120			0.456	20
1,2,4-Trimethylbenzene	0.0250	0.0268	0.0265	107	106	75.0-120			0.941	20
1,3,5-Trimethylbenzene	0.0250	0.0263	0.0261	105	104	75.0-120			0.839	20
Vinyl acetate	0.125	0.143	0.146	114	117	58.0-156			2.36	20
Vinyl chloride	0.0250	0.0256	0.0258	103	103	63.0-134			0.661	20
Xylenes, Total	0.0750	0.0790	0.0843	105	112	77.0-120			6.49	20
(S) Toluene-d8				*101*	*109*	*80.0-120*				
(S) Dibromofluoromethane				*102*	*104*	*74.0-131*				
(S) 4-Bromofluorobenzene				*95.7*	*95.0*	*64.0-132*				

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

L977245-18 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L977245-18 03/17/18 20:40 • (MS) R3294787-4 03/17/18 21:58 • (MSD) R3294787-5 03/17/18 22:18

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acetone	0.145	U	1.89	1.86	52.1	51.3	25	10.0-160			1.61	36
Acrylonitrile	0.145	U	2.23	2.13	61.6	58.7	25	14.0-160			4.80	33
Benzene	0.0290	U	0.308	0.287	42.5	39.6	25	13.0-146			6.99	27
Bromobenzene	0.0290	U	0.454	0.435	62.6	60.0	25	10.0-149			4.27	33
Bromodichloromethane	0.0290	U	0.468	0.435	64.6	60.0	25	15.0-142			7.27	28
Bromochloromethane	0.0290	U	0.398	0.372	55.0	51.4	25	24.0-146			6.79	27
Bromoform	0.0290	U	0.538	0.504	74.2	69.6	25	10.0-147			6.39	31
Bromomethane	0.0290	U	0.194	0.171	26.8	23.6	25	10.0-160			12.8	32
n-Butylbenzene	0.0290	U	0.465	0.415	64.2	57.3	25	10.0-154			11.4	37
sec-Butylbenzene	0.0290	U	0.460	0.423	63.5	58.5	25	10.0-151			8.25	36
tert-Butylbenzene	0.0290	U	0.462	0.436	63.7	60.2	25	10.0-152			5.73	35
Carbon disulfide	0.0290	U	0.0537	0.0412	7.42	5.69	25	10.0-141	J6	J6	26.3	30
Carbon tetrachloride	0.0290	U	0.298	0.274	41.1	37.9	25	13.0-140			8.16	30
Chlorobenzene	0.0290	U	0.466	0.425	64.4	58.7	25	10.0-149			9.16	31
Chlorodibromomethane	0.0290	U	0.526	0.491	72.6	67.7	25	12.0-147			6.98	29
Chloroethane	0.0290	U	0.0896	0.0783	12.4	10.8	25	10.0-159			13.4	33
Chloroform	0.0290	U	0.434	0.403	59.9	55.6	25	18.0-148			7.43	28
Chloromethane	0.0290	U	0.125	0.115	17.3	15.9	25	10.0-146			8.27	29
2-Chlorotoluene	0.0290	U	0.478	0.444	66.0	61.3	25	10.0-151			7.32	35
4-Chlorotoluene	0.0290	U	0.462	0.431	63.8	59.5	25	10.0-150			6.95	35
1,2-Dibromo-3-Chloropropane	0.0290	U	0.443	0.450	61.1	62.1	25	10.0-149			1.63	34
1,2-Dibromoethane	0.0290	U	0.467	0.425	64.5	58.6	25	14.0-145			9.50	28
Dibromomethane	0.0290	U	0.401	0.381	55.3	52.5	25	18.0-144			5.10	27
1,2-Dichlorobenzene	0.0290	U	0.547	0.512	75.6	70.7	25	10.0-153			6.65	34
1,3-Dichlorobenzene	0.0290	U	0.531	0.471	73.3	65.0	25	10.0-150			11.9	35
1,4-Dichlorobenzene	0.0290	U	0.533	0.480	73.6	66.2	25	10.0-148			10.6	34
trans-1,4-Dichloro-2-butene	0.0290	U	0.520	0.516	71.8	71.3	25	10.0-160			0.771	40
Dichlorodifluoromethane	0.0290	U	0.195	0.175	27.0	24.2	25	10.0-160			10.8	30
1,1-Dichloroethane	0.0290	U	0.362	0.328	50.0	45.3	25	19.0-148			9.97	28
1,2-Dichloroethane	0.0290	U	0.398	0.378	55.0	52.2	25	17.0-147			5.24	27
1,1-Dichloroethene	0.0290	U	0.322	0.278	44.5	38.3	25	10.0-150			14.9	31
cis-1,2-Dichloroethene	0.0290	0.422	0.799	0.731	52.0	42.7	25	16.0-145			8.85	28
trans-1,2-Dichloroethene	0.0290	U	0.224	0.195	30.9	26.9	25	11.0-142			13.7	29
1,2-Dichloropropane	0.0290	U	0.414	0.390	57.2	53.8	25	17.0-148			6.16	28
1,1-Dichloropropene	0.0290	U	0.242	0.216	33.4	29.8	25	10.0-150			11.3	30
1,3-Dichloropropane	0.0290	U	0.487	0.473	67.2	65.3	25	16.0-148			2.93	27
cis-1,3-Dichloropropene	0.0290	U	0.440	0.410	60.8	56.6	25	13.0-150			7.21	28
trans-1,3-Dichloropropene	0.0290	U	0.469	0.456	64.8	63.0	25	10.0-152			2.82	29
2,2-Dichloropropane	0.0290	U	0.314	0.299	43.4	41.3	25	16.0-143			4.78	30

L977245-18 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L977245-18 03/17/18 20:40 • (MS) R3294787-4 03/17/18 21:58 • (MSD) R3294787-5 03/17/18 22:18

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Di-isopropyl ether	0.0290	U	0.453	0.425	62.5	58.6	25	16.0-149			6.48	28
Ethylbenzene	0.0290	U	0.403	0.368	55.6	50.8	25	10.0-147			9.06	31
Hexachloro-1,3-butadiene	0.0290	U	0.581	0.524	80.1	72.3	25	10.0-154			10.3	40
2-Hexanone	0.145	U	2.78	2.75	76.7	76.1	25	12.0-158			0.845	30
n-Hexane	0.0290	U	0.0364	0.0319	5.03	4.40	25	10.0-140	J6	J6	13.4	34
Iodomethane	0.145	U	1.54	1.35	42.5	37.3	25	10.0-157			12.9	34
Isopropylbenzene	0.0290	U	0.411	0.374	56.8	51.6	25	10.0-147			9.48	33
p-Isopropyltoluene	0.0290	U	0.460	0.417	63.5	57.6	25	10.0-156			9.73	37
2-Butanone (MEK)	0.145	U	2.29	2.32	63.1	64.1	25	10.0-160			1.50	33
Methylene Chloride	0.0290	U	0.331	0.308	45.7	42.5	25	16.0-139			7.25	29
4-Methyl-2-pentanone (MIBK)	0.145	U	2.30	2.25	63.5	62.2	25	12.0-160			2.00	32
Methyl tert-butyl ether	0.0290	0.0700	0.520	0.499	62.2	59.2	25	21.0-145			4.28	29
Naphthalene	0.0290	U	0.501	0.501	69.1	69.2	25	10.0-153			0.107	36
n-Propylbenzene	0.0290	U	0.418	0.384	57.6	53.0	25	10.0-151			8.44	34
Styrene	0.0290	U	0.441	0.422	60.9	58.2	25	10.0-155			4.43	34
1,1,1,2-Tetrachloroethane	0.0290	U	0.504	0.468	69.6	64.6	25	10.0-147			7.50	30
1,1,2,2-Tetrachloroethane	0.0290	U	0.486	0.461	67.1	63.6	25	10.0-155			5.27	31
Tetrachloroethene	0.0290	1.36	1.64	1.48	38.3	16.4	25	10.0-144			10.2	32
Toluene	0.0290	U	0.356	0.329	49.1	45.4	25	10.0-144			7.99	28
1,1,2-Trichlorotrifluoroethane	0.0290	U	0.484	0.389	66.8	53.7	25	10.0-153			21.7	33
1,2,3-Trichlorobenzene	0.0290	U	0.568	0.540	78.4	74.5	25	10.0-153			5.14	40
1,2,4-Trichlorobenzene	0.0290	U	0.570	0.515	78.7	71.1	25	10.0-156			10.3	40
1,1,1-Trichloroethane	0.0290	U	0.348	0.312	48.1	43.0	25	18.0-145			11.1	29
1,1,2-Trichloroethane	0.0290	U	0.527	0.499	72.8	68.9	25	12.0-151			5.43	28
Trichloroethene	0.0290	0.0812	0.453	0.410	51.3	45.4	25	11.0-148			9.94	29
Trichlorofluoromethane	0.0290	U	0.350	0.264	48.3	36.5	25	10.0-157			27.8	34
1,2,3-Trichloropropane	0.0290	U	0.490	0.476	67.6	65.7	25	10.0-154			2.86	32
1,2,3-Trimethylbenzene	0.0290	U	0.524	0.487	72.4	67.2	25	10.0-150			7.42	33
1,2,4-Trimethylbenzene	0.0290	U	0.459	0.419	63.3	57.8	25	10.0-151			9.14	34
1,3,5-Trimethylbenzene	0.0290	U	0.444	0.410	61.4	56.6	25	10.0-150			8.08	33
Vinyl acetate	0.145	U	0.951	0.829	26.3	22.9	25	10.0-160			13.8	40
Vinyl chloride	0.0290	0.00964	0.159	0.144	20.6	18.6	25	10.0-150			9.43	29
Xylenes, Total	0.0869	U	1.27	1.15	58.6	53.0	25	10.0-150			10.0	31
(S) Toluene-d8					*104*	*103*		*80.0-120*				
(S) Dibromofluoromethane					*99.3*	*97.5*		*74.0-131*				
(S) 4-Bromofluorobenzene					*89.9*	*90.4*		*64.0-132*				

Sample Narrative:

OS: Cannot be analyzed at a lower dilution due to high levels of target analytes.

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Method Blank (MB)

(MB) R3293356-3 03/14/18 18:16

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Acetone	U		1.05	25.0
Acrylonitrile	U		0.873	5.00
Benzene	U		0.0896	0.500
Bromobenzene	U		0.133	0.500
Bromodichloromethane	U		0.0800	0.500
Bromochloromethane	U		0.145	0.500
Bromoform	U		0.186	0.500
Bromomethane	U		0.157	2.50
n-Butylbenzene	U		0.143	0.500
Carbon disulfide	U		0.101	0.500
sec-Butylbenzene	U		0.134	0.500
tert-Butylbenzene	U		0.183	0.500
Carbon tetrachloride	U		0.159	0.500
Chlorobenzene	U		0.140	0.500
Chlorodibromomethane	U		0.128	0.500
Chloroethane	U		0.141	2.50
Chloroform	U		0.0860	0.500
Chloromethane	U		0.153	1.25
2-Chlorotoluene	U		0.111	0.500
4-Chlorotoluene	U		0.0972	0.500
1,2-Dibromo-3-Chloropropane	U		0.325	2.50
1,2-Dibromoethane	U		0.193	0.500
Dibromomethane	U		0.117	0.500
1,2-Dichlorobenzene	U		0.101	0.500
1,3-Dichlorobenzene	U		0.130	0.500
1,4-Dichlorobenzene	U		0.121	0.500
Dichlorodifluoromethane	U		0.127	2.50
1,1-Dichloroethane	U		0.114	0.500
1,2-Dichloroethane	U		0.108	0.500
1,1-Dichloroethene	U		0.188	0.500
cis-1,2-Dichloroethene	U		0.0933	0.500
trans-1,2-Dichloroethene	U		0.152	0.500
1,2-Dichloropropane	U		0.190	0.500
trans-1,4-Dichloro-2-butene	U		0.257	5.00
1,1-Dichloropropene	U		0.128	0.500
1,3-Dichloropropane	U		0.147	1.00
cis-1,3-Dichloropropene	U		0.0976	0.500
trans-1,3-Dichloropropene	U		0.222	0.500
2,2-Dichloropropane	U		0.0929	0.500
2-Hexanone	U		0.757	5.00

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Method Blank (MB)

(MB) R3293356-3 03/14/18 18:16

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
n-Hexane	U		0.305	5.00
Di-isopropyl ether	U		0.0924	0.500
Iodomethane	U		0.377	10.0
Ethylbenzene	U		0.158	0.500
Hexachloro-1,3-butadiene	0.497	J	0.157	1.00
Isopropylbenzene	U		0.126	0.500
p-Isopropyltoluene	U		0.138	0.500
2-Butanone (MEK)	U		1.28	5.00
Methylene Chloride	U		1.07	2.50
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00
Methyl tert-butyl ether	U		0.102	0.500
Naphthalene	U		0.174	2.50
n-Propylbenzene	U		0.162	0.500
Vinyl acetate	U		0.645	5.00
Styrene	U		0.117	0.500
1,1,1,2-Tetrachloroethane	U		0.120	0.500
1,1,2,2-Tetrachloroethane	U		0.130	0.500
Tetrachloroethene	U		0.199	0.500
Toluene	U		0.412	0.500
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500
1,2,3-Trichlorobenzene	0.238	J	0.164	0.500
1,2,4-Trichlorobenzene	U		0.355	0.500
1,1,1-Trichloroethane	U		0.0940	0.500
1,1,2-Trichloroethane	U		0.186	0.500
Trichloroethene	U		0.153	0.500
Trichlorofluoromethane	U		0.130	2.50
1,2,3-Trichloropropane	U		0.247	2.50
1,2,3-Trimethylbenzene	U		0.0739	0.500
1,2,4-Trimethylbenzene	U		0.123	0.500
1,3,5-Trimethylbenzene	U		0.124	0.500
Vinyl chloride	U		0.118	0.500
Xylenes, Total	U		0.316	1.50
(S) Toluene-d8	*103*			*80.0-120*
(S) Dibromofluoromethane	*97.6*			*76.0-123*
(S) 4-Bromofluorobenzene	*103*			*80.0-120*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3293356-1 03/14/18 17:17 • (LCSD) R3293356-2 03/14/18 17:37

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Carbon disulfide	25.0	20.4	19.9	81.7	79.5	55.0-127			2.81	20
Acetone	125	97.7	107	78.2	85.7	10.0-160			9.17	23
Acrylonitrile	125	154	164	123	131	60.0-142			6.31	20
trans-1,4-Dichloro-2-butene	25.0	24.3	27.2	97.3	109	55.0-134			11.1	20
Benzene	25.0	23.7	23.0	94.8	92.0	69.0-123			3.00	20
Bromobenzene	25.0	22.7	23.3	90.9	93.0	79.0-120			2.31	20
Bromodichloromethane	25.0	20.8	20.7	83.2	82.7	76.0-120			0.561	20
Bromochloromethane	25.0	25.6	25.8	103	103	76.0-122			0.552	20
2-Hexanone	125	140	140	112	112	58.0-147			0.349	20
Bromoform	25.0	25.0	26.5	100	106	67.0-132			5.72	20
Bromomethane	25.0	36.7	38.0	147	152	18.0-160			3.35	20
n-Hexane	25.0	20.6	20.1	82.2	80.6	56.0-124			2.07	20
Iodomethane	125	128	137	103	110	57.0-140			6.71	20
n-Butylbenzene	25.0	22.1	23.3	88.3	93.3	72.0-126			5.56	20
sec-Butylbenzene	25.0	22.5	23.1	89.8	92.5	74.0-121			2.94	20
tert-Butylbenzene	25.0	23.1	23.2	92.3	93.0	75.0-122			0.706	20
Carbon tetrachloride	25.0	23.7	23.6	94.7	94.6	63.0-122			0.160	20
Chlorobenzene	25.0	23.8	23.3	95.4	93.3	79.0-121			2.16	20
Chlorodibromomethane	25.0	24.7	24.1	98.9	96.3	75.0-125			2.62	20
Chloroethane	25.0	23.5	22.8	93.9	91.0	47.0-152			3.18	20
Chloroform	25.0	23.0	22.7	91.9	90.8	72.0-121			1.19	20
Chloromethane	25.0	21.0	21.4	84.2	85.4	48.0-139			1.47	20
2-Chlorotoluene	25.0	22.7	23.5	90.7	94.2	74.0-122			3.81	20
4-Chlorotoluene	25.0	22.3	23.1	89.1	92.2	79.0-120			3.42	20
1,2-Dibromo-3-Chloropropane	25.0	29.2	32.5	117	130	64.0-127		J4	10.5	20
1,2-Dibromoethane	25.0	26.6	25.9	107	103	77.0-123			2.95	20
Dibromomethane	25.0	25.4	24.9	102	99.7	78.0-120			1.92	20
1,2-Dichlorobenzene	25.0	24.6	25.5	98.4	102	80.0-120			3.73	20
1,3-Dichlorobenzene	25.0	22.9	23.3	91.7	93.0	72.0-123			1.40	20
1,4-Dichlorobenzene	25.0	23.1	23.5	92.5	94.0	77.0-120			1.53	20
Dichlorodifluoromethane	25.0	22.1	21.2	88.5	84.7	49.0-155			4.40	20
1,1-Dichloroethane	25.0	24.0	23.3	96.0	93.3	70.0-126			2.87	20
1,2-Dichloroethane	25.0	24.9	25.3	99.6	101	67.0-126			1.67	20
1,1-Dichloroethene	25.0	22.8	22.6	91.4	90.3	64.0-129			1.24	20
Vinyl acetate	125	247	243	197	194	46.0-160	J4	J4	1.65	20
cis-1,2-Dichloroethene	25.0	22.2	22.4	88.7	89.6	73.0-120			1.08	20
trans-1,2-Dichloroethene	25.0	23.0	22.8	92.0	91.3	71.0-121			0.805	20
1,2-Dichloropropane	25.0	23.2	22.1	92.7	88.6	75.0-125			4.57	20
1,1-Dichloropropene	25.0	25.4	25.1	102	100	71.0-129			1.04	20
1,3-Dichloropropane	25.0	25.6	25.0	102	100	80.0-121			2.06	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3293356-1 03/14/18 17:17 • (LCSD) R3293356-2 03/14/18 17:37

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
cis-1,3-Dichloropropene	25.0	27.0	26.2	108	105	79.0-123			2.83	20
trans-1,3-Dichloropropene	25.0	25.8	25.3	103	101	74.0-127			1.87	20
2,2-Dichloropropane	25.0	23.8	24.4	95.3	97.6	60.0-125			2.39	20
Di-isopropyl ether	25.0	22.1	22.2	88.4	89.0	59.0-133			0.625	20
Ethylbenzene	25.0	24.0	23.1	96.0	92.3	77.0-120			3.89	20
Hexachloro-1,3-butadiene	25.0	23.9	25.3	95.6	101	64.0-131			5.70	20
Isopropylbenzene	25.0	23.6	24.3	94.5	97.3	75.0-120			2.89	20
p-Isopropyltoluene	25.0	23.6	24.1	94.5	96.5	74.0-126			2.06	20
2-Butanone (MEK)	125	129	137	104	109	37.0-158			5.30	20
Methylene Chloride	25.0	22.8	23.2	91.0	92.8	66.0-121			1.94	20
4-Methyl-2-pentanone (MIBK)	125	139	137	111	110	59.0-143			1.27	20
Methyl tert-butyl ether	25.0	23.3	23.9	93.4	95.6	64.0-123			2.29	20
Naphthalene	25.0	29.0	30.9	116	124	62.0-128			6.32	20
n-Propylbenzene	25.0	24.2	24.7	96.7	98.7	79.0-120			2.09	20
Styrene	25.0	22.8	24.4	91.0	97.4	78.0-124			6.76	20
1,1,1,2-Tetrachloroethane	25.0	23.6	22.3	94.4	89.3	75.0-122			5.50	20
1,1,2,2-Tetrachloroethane	25.0	24.6	26.5	98.3	106	71.0-122			7.55	20
Tetrachloroethene	25.0	24.5	24.2	97.9	96.6	70.0-127			1.27	20
Toluene	25.0	22.8	21.9	91.1	87.4	77.0-120			4.12	20
1,1,2-Trichlorotrifluoroethane	25.0	24.5	23.9	97.9	95.5	61.0-136			2.55	20
1,2,3-Trichlorobenzene	25.0	27.6	29.3	110	117	61.0-133			6.19	20
1,2,4-Trichlorobenzene	25.0	26.9	28.0	108	112	69.0-129			3.90	20
1,1,1-Trichloroethane	25.0	22.4	22.4	89.7	89.7	68.0-122			0.0381	20
1,1,2-Trichloroethane	25.0	23.3	22.5	93.1	90.0	78.0-120			3.35	20
Trichloroethene	25.0	24.4	24.0	97.4	95.8	78.0-120			1.65	20
Trichlorofluoromethane	25.0	24.0	22.2	95.8	88.9	56.0-137			7.49	20
1,2,3-Trichloropropane	25.0	28.5	29.4	114	118	72.0-124			2.97	20
1,2,3-Trimethylbenzene	25.0	24.1	24.5	96.5	98.1	75.0-120			1.61	20
1,2,4-Trimethylbenzene	25.0	21.8	23.0	87.1	92.0	75.0-120			5.41	20
1,3,5-Trimethylbenzene	25.0	23.1	23.6	92.3	94.3	75.0-120			2.21	20
Vinyl chloride	25.0	24.6	23.7	98.2	94.7	64.0-133			3.65	20
Xylenes, Total	75.0	71.2	68.3	94.9	91.1	77.0-120			4.16	20
(S) Toluene-d8				*102*	*98.1*	*80.0-120*				
(S) Dibromofluoromethane				*98.2*	*98.7*	*76.0-123*				
(S) 4-Bromofluorobenzene				*103*	*106*	*80.0-120*				

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Abbreviations and Definitions

(dry)	Results are reported based on the dry weight of the sample. [this will only be present on a dry report basis for soils].
MDL	Method Detection Limit.
MDL (dry)	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
RDL (dry)	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
E	The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL).
J	The identification of the analyte is acceptable; the reported value is an estimate.
J0	J0: Calibration verification outside of acceptance limits. Result is estimated.
J4	The associated batch QC was outside the established quality control range for accuracy.
J5	The sample matrix interfered with the ability to make any accurate determination; spike value is high.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.
V	The sample concentration is too high to evaluate accurate spike recoveries.

ACCREDITATIONS & LOCATIONS

ESC Lab Sciences is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our one location design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be YOUR LAB OF CHOICE.
* Not all certifications held by the laboratory are applicable to the results reported in the attached report.
* Accreditation is only applicable to the test methods specified on each scope of accreditation held by ESC Lab Sciences.

State Accreditations

Alabama	40660
Alaska	17-026
Arizona	AZ0612
Arkansas	88-0469
California	2932
Colorado	TN00003
Connecticut	PH-0197
Florida	E87487
Georgia	NELAP
Georgia [1]	923
Idaho	TN00003
Illinois	200008
Indiana	C-TN-01
Iowa	364
Kansas	E-10277
Kentucky [1 6]	90010
Kentucky [2]	16
Louisiana	AI30792
Louisiana [1]	LA180010
Maine	TN0002
Maryland	324
Massachusetts	M-TN003
Michigan	9958
Minnesota	047-999-395
Mississippi	TN00003
Missouri	340
Montana	CERT0086

Nebraska	NE-OS-15-05
Nevada	TN-03-2002-34
New Hampshire	2975
New Jersey–NELAP	TN002
New Mexico [1]	n/a
New York	11742
North Carolina	Env375
North Carolina [1]	DW21704
North Carolina [3]	41
North Dakota	R-140
Ohio–VAP	CL0069
Oklahoma	9915
Oregon	TN200002
Pennsylvania	68-02979
Rhode Island	LAO00356
South Carolina	84004
South Dakota	n/a
Tennessee [1 4]	2006
Texas	T 104704245-17-14
Texas [5]	LAB0152
Utah	TN00003
Vermont	VT2006
Virginia	460132
Washington	C847
West Virginia	233
Wisconsin	9980939910
Wyoming	A2LA

Third Party Federal Accreditations

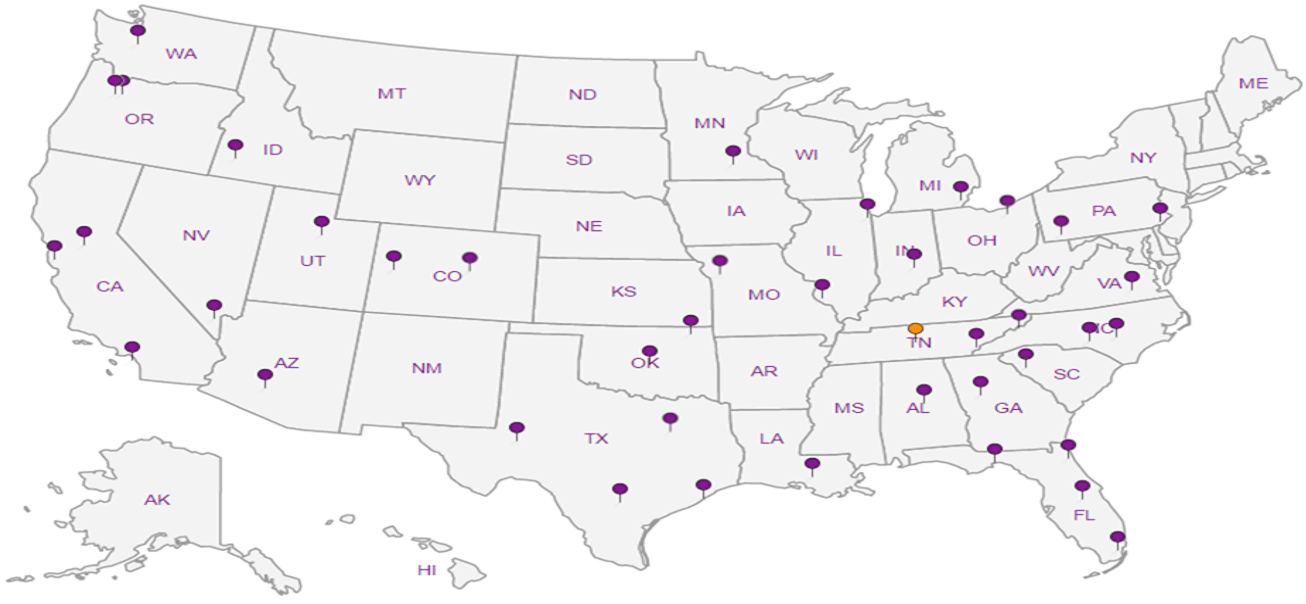
A2LA – ISO 17025	1461.01
A2LA – ISO 17025 [5]	1461.02
Canada	1461.01
EPA–Crypto	TN00003

AIHA-LAP,LLC EMLAP	100789
DOD	1461.01
USDA	P330-15-00234

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

Our Locations

ESC Lab Sciences has sixty-four client support centers that provide sample pickup and/or the delivery of sampling supplies. If you would like assistance from one of our support offices, please contact our main office. ESC Lab Sciences performs all testing at our central laboratory.



PES Environmental, Inc.- WA

1215 Fourth Ave., Suite 1350
Seattle, WA 98161

Billing Information:

Attn: Accounts Payable
1215 Fourth Ave., Ste. 1350
Seattle, WA 98161

Pres Chk

Analysis / Container / Preservative

Chain of Custody Page 1 of 3

ESC
LAB SCIENCES

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# L977245

D218

Acctnum: **PESENVSWA**
Template: **T130006**
Prelogin: **P638152**
TSR: **110 - Brian Ford**
PB:
Shipped Via:

Report to: ~~Bill Haldeman~~ Brian ONeal

Email To: ~~bhaldeman@pesenv.com~~ Boneal@pesenv.com

Project Description: **American Linen Project**

City/State Collected: Seattle WA

Phone: **206-529-3980**
Fax: **206-529-3985**

Client Project # **1413.001.~~02.602~~** 05.304

Lab Project # **PESENVSWA-ALP**

Collected by (print): R. McLaughlin

Site/Facility ID #

P.O. #

Collected by (signature): R.T. McLaughlin

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Immediately Packed on Ice N X Y ___

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260C VOCs 40ml/NaHSO4/Syr/MeOH	dry wt/voc screen 2ozClr-NoPres	Remarks	Sample # (lab only)
IW-2C-5	Grab	SS	5'	3-7-18	0832	5	X	X		-01
IW-2C-15		SS	15'		0903					-02
IW-2C-25		SS	25'		0923					-03
IW-2C-35		SS	35'		0935					-04
IW-2C-45		SS	45'		1005					-05
IW-2C-55		SS	55'		1055					-06
IW-2C-65		SS	65'		1120					-07
IW-2C-75		SS	75'		1140					-08
IW-1C-5		SS	5'		1135					-09
IW-1C-15	X	SS	15'	X	1155	X	X	X		-10

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other______

Remarks: "Relinquished by" date/time change due to shipping deadline miss

pH ______ Temp ______
Flow ______ Other ______

Samples returned via:
__ UPS __ FedEx __ Courier __ ______

Tracking # 4196 3259 2392

Sample Receipt Checklist
COC Seal Present/Intact: _NP _Y _N
COC Signed/Accurate: ✓Y _N
Bottles arrive intact: ✓Y _N
Correct bottles used: ✓Y _N
Sufficient volume sent: ✓Y _N
If Applicable
VOA Zero Headspace: _Y _N
Preservation Correct/Checked: _Y _N

Relinquished by : (Signature) RTM ~~Rachel McLaughlin~~	Date: ~~3-9-18~~	Time: ~~0856~~	Received by: (Signature)	Trip Blank Received: [✓ Yes] / No 1 [✓ HCl] / MeoH TBR	
Relinquished by : (Signature) R.T. McLaughlin	Date: 3-12-18	Time: 1725	Received by: (Signature)	Temp: 2.1°C °C Bottles Received: toll 130	If preservation required by Login: Date/Time
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature) 861	Date: 3/14/18 Time: 8145	Hold: Condition: NCF / [✓ OK]

PES Environmental, Inc.- WA

1215 Fourth Ave., Suite 1350
Seattle, WA 98161

Billing Information:
Attn: Accounts Payable
1215 Fourth Ave., Ste. 1350
Seattle, WA 98161

Pres Chk

Analysis / Container / Preservative

Chain of Custody Page 2 of 3

ESC LAB SCIENCES

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

Report to: ~~Bill Haldeman~~ Brian ONeal

Email To: ~~bhaldeman@pesenv.com~~ BONEAL@pesenv.com

Project Description: American Linen Project

City/State Collected: Seattle WA

Phone: 206-529-3980
Fax: 206-529-3985

Client Project # 1413.001.~~02.602.~~ 05.304

Lab Project # PESENVSWA-ALP

Collected by (print): R. McLaughlin

Site/Facility ID #

P.O. #

Collected by (signature): R T McLaughl

Immediately Packed on Ice N X Y ___

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

L# L977245

Table #

Acctnum: PESENVSWA
Template: T130006
Prelogin: P638152
TSR: 110 - Brian Ford
PB:

Shipped Via:

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260C VOCs 40ml/NaHSO4/Syr/MeOH	dry wt/voc screen 2ozClr-NoPres	Remarks	Sample # (lab only)
IW-1C-25	Grab	SS	25'	3-7-18	1212	5	X	X		-11
IW-1C-35		SS	35'		1230					-12
IW-1C-45		SS	45'		1320					-13
IW-1C-55		SS	55'		1340					-14
IW-1C-65		SS	65'		1355					-15
IW-1C-75	X	SS	75'	X	1440	X	X			-16
IW-3C-5		SS	5	3-9-18	0933					-17
IW-3C-15		SS	15		0945					-18
IW-3C-25		SS	25		0956					-19
IW-3C-35	X	SS	35		1005			X		-20

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other________

Remarks:

pH ______ Temp ______

Flow ______ Other ______

Samples returned via:
___ UPS ___ FedEx ___ Courier ___ ______

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: ✓NP ___Y ___N
COC Signed/Accurate: ✓Y ___N
Bottles arrive intact: ✓Y ___N
Correct bottles used: ✓Y ___N
Sufficient volume sent: ✓Y ___N
If Applicable
VOA Zero Headspace: ___Y ___N
Preservation Correct/Checked: ___Y ___N

Relinquished by : (Signature) (4RTM) ~~R T McLaughlin~~	Date: ~~3-9-18~~	Time: ~~1856~~	Received by: (Signature)	Trip Blank Received: [✓ Yes] / No 1 [✓ HCL] / MeoH TBR	
Relinquished by : (Signature) R.T. McLaughlin	Date: 3-12-18	Time: 1725	Received by: (Signature)	Temp: 2.1° °C Bottles Received: 7011 130	If preservation required by Login: Date/Time
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature) 861	Date: 3/14/18 Time: 8:45	Hold: Condition: NCF / [✓ OK]

PES Environmental, Inc.- WA

1215 Fourth Ave., Suite 1350
Seattle, WA 98161

Billing Information:
Attn: Accounts Payable
1215 Fourth Ave., Ste. 1350
Seattle, WA 98161

Pres Chk

Chain of Custody Page 3 of 3

ESC
LAB SCIENCES

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# L977245

Table #

Acctnum: **PESENVSWA**
Template: **T133573**
Prelogin: **P643474**
TSR: **110 - Brian Ford**
PB:

Shipped Via:

Report to: **Bill Haldeman** / Brian ONeal

Email To: bhaldeman@pesenv.com
boneal@pesenv.com

Project Description: **American Linen Supply Project**

City/State Collected:

Phone: **206-529-3980**
Fax: **206-529-3985**

Client Project # **1413.001.05.304**

Lab Project # **PESENVSWA-ALP**

Collected by (print): Rachel McLaughlin

Site/Facility ID #

P.O. #

Collected by (signature): R McLaughlin

Immediately Packed on Ice N X Y ___

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260C VOCs 40ml/NaHS04/Syr/MeOH	dry wt,voc screen 2ozClr-NoPres	Remarks	Sample # (lab only)
IW-3C-45	Grab	SS	45	3-9-18	1016	5	X	X		-21
IW-3C-55		SS	55		1035	5	X	X		-22
IW-3C-65		SS	65		1055	5	X	X		-23
IW-3C-75		SS	75		1125	5	X	X		-24
IW-3C-79		SS	79		1155	5	X	X		-25
IW-901-79		SS	79		1310	5	X	X		-26
TRIP BLANK		SS	NA	09-20-17	—	5	X	X		-27
		SS				5	X	X		
		SS				5	X	X		
		SS				5	X	X		

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other________

Remarks:

pH ______ Temp ______

Flow ______ Other ______

Samples returned via:
__ UPS __ FedEx __ Courier __ ______

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: ✓NP __Y __N
COC Signed/Accurate: ✓Y __N
Bottles arrive intact: ✓Y __N
Correct bottles used: ✓Y __N
Sufficient volume sent: ✓Y __N
If Applicable
VOA Zero Headspace: __Y __N
Preservation Correct/Checked: __Y __N

RTM Relinquished by: (Signature) ~~R T McLaughlin~~ Date: ~~3-9-18~~ Time: ~~1856~~

Received by: (Signature)

Trip Blank Received: [✓ Yes] / No
[✓ HCl] / MeoH
TBR

Relinquished by: (Signature) R.T. McLaughlin Date: 3-12-18 Time: 1725

Received by: (Signature)

Temp: 21°c °C Bottles Received: Toll 130

If preservation required by Login: Date/Time

Relinquished by: (Signature) Date: Time:

Received for lab by: (Signature) 8G1

Date: 3/14/18 Time: 8:45

Hold:

Condition: NCF / [✓ OK]

MEMORANDUM

TO: Project File **DATE:** April 19, 2018

FROM: Jessie Compeau

SUBJECT: Laboratory Data Validation Review

PROJECT: Former American Linen Supply Site, Seattle WA

PROJECT #: 1413.001.05.304

TASK: March 7 and 9, 2018 – Soil Samples

LAB: ESC Lab ID L977245

Twenty-six (26) soil samples including a field duplicate, and a trip blank were collected as part of a sampling event at the Former American Linen Supply Site, in Seattle, Washington, on March 7 and March 9, 2018. The samples were shipped and delivered to ESC Lab Sciences (ESC) of Mount Juliet, TN for laboratory analysis. Selected samples were analyzed for the following:

- Volatile organic compounds (VOCs) by United States Environmental Protection Agency (USEPA) Method 8260C; and
- Total Solids by Standard Methods 2540 G-2011.

The results are reported in ESC Sample Delivery Group (SDG) L977245. The sampling event occurred between March 2 and March 27 of 2018. Associated sample data are reported in ten ESC SDGs (SDGs L975879, L977245, L977743, L979219, L979234, L980300, L980719, L980722, L980954, and L980958). The quality assurance review of the sample data associated with SDG L977245 is summarized below.

DATA QUALIFICATIONS

Guidelines established by USEPA for a limited data validation review of analytical data along with ESC control limit criteria were used to validate the data. The comments presented in this memorandum refer to the laboratory's performance in meeting the quality control criteria outlined in the USEPA Contract Laboratory Program National Functional Guidelines for Organic Superfund Methods Data Review (USEPA, 2017).

DATA VALIDATION

Completeness

All samples were collected and analyzed as requested.

Sample Collection and Preservation

Samples were collected in laboratory-supplied sample containers preserved as appropriate for the individual analyses conducted. The samples were packed on ice and shipped by courier to ESC. The laboratory reported that the cooler and samples were received at 2.1 degrees Centigrade (°C) and below the recommended temperature preservation of 6°C. The laboratory indicated that the samples were received in good condition with the following discussion:

- Review of the chain of custody shows that the "Relinquished by" details are crossed out and initialed because the March 9, 2018 shipping deadline was missed. "Relinquished by" details were added to the chain of custody on March 12, 2018.

No data were qualified based upon the sample collection and preservation information.

Holding Times

USEPA Method 8260C:
All samples were analyzed for VOCs within the USEPA recommended holding time of fourteen days for soils and waters from the date of sample collection. All holding time criteria were met.

Total Solids by SM 2540 G 2011:
Samples were analyzed within the USEPA recommended holding time of seven days for total solids with the following exceptions:

- All soils were analyzed four and six days past the recommended holding time. No action is taken since % solid results are not expected to be significantly changed thus final reported results are not significantly impacted.

Initial and Continuing Calibration

Calibration data for this project are not required for this deliverable however ESC's notes indicate the following:

- *USEPA Method 8260C:* Continuing calibration verification (CCV) issues were noted by ESC for acetone, dichlorodifluoromethane, and 2-butanone (MEK) associated with soil analytical batch WG1084660 (analyzed on March 15, 2018). These results are qualified by the laboratory "J0" to indicate that percent difference CCVs are outside of laboratory acceptance criteria. **Associated sample with laboratory qualified (J0) results are estimated and qualified (J/UJ).**

- *USEPA Method 8260C:* Continuing calibration verification (CCV) issues were noted by ESC for methyl tert-butyl ether associated with soil analytical batch WG1085895 (analyzed on March 17, 2018). These results are qualified by the laboratory "J0" to indicate that percent difference CCVs are outside of laboratory acceptance criteria. **Associated sample results with laboratory qualified (J0) results are estimated and qualified (J/UJ).**

- *USEPA Method 8260C:* Continuing calibration verification (CCV) issues were noted by ESC for acetone associated with water analytical batch WG1084690 (analyzed on March 14, 2018). This result is qualified by the laboratory “J0” to indicate that percent difference CCV is outside of laboratory acceptance criteria. **Associated trip blank sample with laboratory qualified (J0) result is estimated and qualified (J/UJ).**

Method Blank Results

USEPA Method 8260C:
Laboratory method blanks were included with the analytical batch per method requirement. The target analytes (VOCs) were not detected in the method blanks at or above the reported detection limits (RDLs) with the following discussion:

- Water (analytical batch WG1084690): VOC compounds hexachloro-1,3-butadiene and 1,2,3-trichlorobenzene are detected in the method blank at a low levels below the RDL. No action was necessary as hexachloro-1,3-butadiene and 1,2,3-trichlorobenzene were not detected in the associated sample (trip blank).

Total Solids by SM 2540 G 2011:
Laboratory method blanks were included with the analytical batches per method requirement. The target analytes (% solids) were not detected in the method blanks.

Trip Blank Results

USEPA Method 8260C:
A trip blank was collected and analyzed. The target analytes (VOCs) were not detected in the trip blank at or above the RDLs. Refer to the discussion under Laboratory Control Samples for additional information regarding accuracy.

Field, Rinsate, or Equipment Blank Results

Field, rinsate, or equipment blanks were not collected.

Field Duplicate Analyses

Field duplicate (samples IW-3C-79 and IW-901-79) results are comparable and within 30% RPD (for results > 5X the RDL).

Laboratory Duplicate Analyses

USEPA Method 8260C:
A laboratory duplicate sample was not analyzed. Refer to laboratory control sample/sample duplicate (LCS/LCSD) or matrix spike/matrix spike duplicates (MS/MSDs) results for precision data.

Total Solids by SM 2540 G 2011:

Laboratory duplicate sample analyses were performed on client sample IW-1C-5 and on non-client samples within the analytical batches. The primary/duplicate RPDs for total solids analyses are within the laboratory control limit of 5%.

Surrogate Recoveries

USEPA Method 8260C:
The surrogate recovery results for the samples, LCS/LCSDs, MS/MSDs, and the method blanks are within the laboratory surrogate control limits for all of the analyses.

Laboratory Control Samples

USEPA Method 8260C:
LCS/LCSD was analyzed by USEPA Method 8260C method. The LCS/LCSD %Rs and RPDs for the all target compounds are within the laboratory control criteria for soils and waters with the following exception:

- Water LCS and/or LCSD (analytical batch WG1084690): Recoveries for spike compound (1,2-dibromo-3-chloropropane and vinyl acetate) results are above laboratory acceptance criteria and qualified by the laboratory (J4). No action was taken on this basis since these compounds were not detected in the associated sample (trip blank).

Total Solids by SM 2540 G 2011:
The LCS %Rs for total solids are within the laboratory control criteria for soils.

Matrix Spike/Matrix Spike Duplicates

USEPA Method 8260C:
Matrix spike/matrix spike duplicate (MS/MSD) analyses was performed on client soil sample IW-3C-15 and on a non-client soil sample within the analytical batch. MS/MSD %Rs and RPDs for all target compounds are within the laboratory control criteria for soils with the following exceptions:

- Analytical batch WG1085895: MS/MSD recoveries for two spiking compounds (carbon disulfide and n-hexane) are low and recovered below 10%. **Sample IW-3C-15 results are non-detects for carbon disulfide and n-hexane. Sample IW-3C-15 results for these compounds are not usable and are rejected (R) due to low spike recoveries.**

- Analytical batch WG1084660: MS/MSD recoveries for multiple spike compounds were outside of laboratory control limit criteria due to matrix interference and/or elevated target compound concentrations. No action is taken since the MS/MSD was performed on a non-client sample and the associated LCS/LCSD % Rs and RPDs are within laboratory acceptance criteria.

Other Quality Control Issues

No laboratory quality control issues were identified in the laboratory report.

Compound Identification and Quantitation Limits

The RDLs used for this sample group are acceptable for the project. Several samples were diluted due to elevated concentrations of various target analytes. ESC notes indicate that for soil samples IW-1C-25, IW-3C-15, IW-3C-25, and IW-3C-35 the target compounds were too high to run the sample at a lower dilution.

Detections between the MDL and RDL are estimated (J) by the laboratory and qualified (J) by the data validator to re-emphasize that the detection is estimated.

Data Assessment

The laboratory data reported for this project were reviewed based on laboratory control limit acceptance criteria and criteria outlined in:

- USEPA Contract Laboratory Program National Functional Guidelines for Organic Superfund Methods Data Review (USEPA, 2017).

Data qualifiers were assigned and laboratory report pages with qualifiers are attached. All data, including qualified data, are judged to be acceptable for their intended use with the following exceptions:

- **Sample IW-3C-15 results for carbon disulfide and n-hexane are rejected (R) due to low spike recoveries.**

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	81.0		1	03/20/2018 09:39	WG1086138

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier		MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.0154	J	J	0.0124	0.0618	1	03/17/2018 14:06	WG1085895
Acrylonitrile	U			0.00221	0.0124	1	03/17/2018 14:06	WG1085895
Benzene	0.000546	J	J	0.000333	0.00124	1	03/17/2018 14:06	WG1085895
Bromobenzene	U			0.000351	0.00124	1	03/17/2018 14:06	WG1085895
Bromodichloromethane	U			0.000314	0.00124	1	03/17/2018 14:06	WG1085895
Bromochloromethane	U			0.000482	0.00618	1	03/17/2018 14:06	WG1085895
Bromoform	U			0.000524	0.00124	1	03/17/2018 14:06	WG1085895
Bromomethane	U			0.00166	0.00618	1	03/17/2018 14:06	WG1085895
n-Butylbenzene	U			0.000319	0.00124	1	03/17/2018 14:06	WG1085895
sec-Butylbenzene	U			0.000248	0.00124	1	03/17/2018 14:06	WG1085895
tert-Butylbenzene	U			0.000254	0.00124	1	03/17/2018 14:06	WG1085895
Carbon disulfide	0.00254			0.000273	0.00124	1	03/17/2018 14:06	WG1085895
Carbon tetrachloride	U			0.000405	0.00124	1	03/17/2018 14:06	WG1085895
Chlorobenzene	U			0.000262	0.00124	1	03/17/2018 14:06	WG1085895
Chlorodibromomethane	U			0.000461	0.00124	1	03/17/2018 14:06	WG1085895
Chloroethane	U			0.00117	0.00618	1	03/17/2018 14:06	WG1085895
Chloroform	U			0.000283	0.00618	1	03/17/2018 14:06	WG1085895
Chloromethane	U			0.000463	0.00309	1	03/17/2018 14:06	WG1085895
2-Chlorotoluene	U			0.000372	0.00124	1	03/17/2018 14:06	WG1085895
4-Chlorotoluene	U			0.000296	0.00124	1	03/17/2018 14:06	WG1085895
1,2-Dibromo-3-Chloropropane	U			0.00130	0.00618	1	03/17/2018 14:06	WG1085895
1,2-Dibromoethane	U			0.000424	0.00124	1	03/17/2018 14:06	WG1085895
Dibromomethane	U			0.000472	0.00124	1	03/17/2018 14:06	WG1085895
1,2-Dichlorobenzene	U			0.000377	0.00124	1	03/17/2018 14:06	WG1085895
1,3-Dichlorobenzene	U			0.000295	0.00124	1	03/17/2018 14:06	WG1085895
1,4-Dichlorobenzene	U			0.000279	0.00124	1	03/17/2018 14:06	WG1085895
Dichlorodifluoromethane	U			0.000881	0.00618	1	03/17/2018 14:06	WG1085895
1,1-Dichloroethane	U			0.000246	0.00124	1	03/17/2018 14:06	WG1085895
1,2-Dichloroethane	U			0.000327	0.00124	1	03/17/2018 14:06	WG1085895
1,1-Dichloroethene	U			0.000374	0.00124	1	03/17/2018 14:06	WG1085895
cis-1,2-Dichloroethene	0.00860			0.000290	0.00124	1	03/17/2018 14:06	WG1085895
trans-1,2-Dichloroethene	0.000363	J	J	0.000326	0.00124	1	03/17/2018 14:06	WG1085895
1,2-Dichloropropane	U			0.000442	0.00124	1	03/17/2018 14:06	WG1085895
1,1-Dichloropropene	U			0.000392	0.00124	1	03/17/2018 14:06	WG1085895
1,3-Dichloropropane	U			0.000256	0.00124	1	03/17/2018 14:06	WG1085895
cis-1,3-Dichloropropene	U			0.000324	0.00124	1	03/17/2018 14:06	WG1085895
trans-1,3-Dichloropropene	U			0.000330	0.00124	1	03/17/2018 14:06	WG1085895
trans-1,4-Dichloro-2-butene	U			0.000961	0.00309	1	03/17/2018 14:06	WG1085895
2,2-Dichloropropane	U			0.000345	0.00124	1	03/17/2018 14:06	WG1085895
Di-isopropyl ether	U			0.000306	0.00124	1	03/17/2018 14:06	WG1085895
Ethylbenzene	U			0.000367	0.00124	1	03/17/2018 14:06	WG1085895
Hexachloro-1,3-butadiene	U			0.000422	0.00124	1	03/17/2018 14:06	WG1085895
2-Hexanone	U			0.00169	0.0124	1	03/17/2018 14:06	WG1085895
n-Hexane	0.00173	J	J	0.000358	0.0124	1	03/17/2018 14:06	WG1085895
Iodomethane	U			0.00312	0.0124	1	03/17/2018 14:06	WG1085895
Isopropylbenzene	U			0.000300	0.00124	1	03/17/2018 14:06	WG1085895
p-Isopropyltoluene	U			0.000252	0.00124	1	03/17/2018 14:06	WG1085895
2-Butanone (MEK)	U			0.00578	0.0124	1	03/17/2018 14:06	WG1085895
Methylene Chloride	U			0.00124	0.00618	1	03/17/2018 14:06	WG1085895
4-Methyl-2-pentanone (MIBK)	U			0.00232	0.0124	1	03/17/2018 14:06	WG1085895

JC 4/10/18

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000262	0.00124	1	03/17/2018 14:06	WG1085895
Naphthalene	U		0.00124	0.00618	1	03/17/2018 14:06	WG1085895
n-Propylbenzene	U		0.000254	0.00124	1	03/17/2018 14:06	WG1085895
Styrene	U		0.000289	0.00124	1	03/17/2018 14:06	WG1085895
1,1,1,2-Tetrachloroethane	U		0.000326	0.00124	1	03/17/2018 14:06	WG1085895
1,1,2,2-Tetrachloroethane	U		0.000451	0.00124	1	03/17/2018 14:06	WG1085895
1,1,2-Trichlorotrifluoroethane	U		0.000451	0.00124	1	03/17/2018 14:06	WG1085895
Tetrachloroethene	0.000478	J J	0.000341	0.00124	1	03/17/2018 14:06	WG1085895
Toluene	U		0.000536	0.00618	1	03/17/2018 14:06	WG1085895
1,2,3-Trichlorobenzene	U		0.000378	0.00124	1	03/17/2018 14:06	WG1085895
1,2,4-Trichlorobenzene	U		0.000479	0.00124	1	03/17/2018 14:06	WG1085895
1,1,1-Trichloroethane	U		0.000353	0.00124	1	03/17/2018 14:06	WG1085895
1,1,2-Trichloroethane	U		0.000342	0.00124	1	03/17/2018 14:06	WG1085895
Trichloroethene	0.000790	J J	0.000345	0.00124	1	03/17/2018 14:06	WG1085895
Trichlorofluoromethane	U		0.000472	0.00618	1	03/17/2018 14:06	WG1085895
1,2,3-Trichloropropane	U		0.000915	0.00309	1	03/17/2018 14:06	WG1085895
1,2,4-Trimethylbenzene	U		0.000261	0.00124	1	03/17/2018 14:06	WG1085895
1,2,3-Trimethylbenzene	U		0.000354	0.00124	1	03/17/2018 14:06	WG1085895
1,3,5-Trimethylbenzene	U		0.000329	0.00124	1	03/17/2018 14:06	WG1085895
Vinyl acetate	U		0.00295	0.0124	1	03/17/2018 14:06	WG1085895
Vinyl chloride	0.000593	J J	0.000359	0.00124	1	03/17/2018 14:06	WG1085895
Xylenes, Total	U		0.000862	0.00371	1	03/17/2018 14:06	WG1085895
(S) Toluene-d8	*97.3*			*80.0-120*		*03/17/2018 14:06*	WG1085895
(S) Dibromofluoromethane	*106*			*74.0-131*		*03/17/2018 14:06*	WG1085895
(S) 4-Bromofluorobenzene	*93.5*			*64.0-132*		*03/17/2018 14:06*	WG1085895

JC 4/10/18

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	83.7		1	03/20/2018 09:39	WG1086138

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0119	0.0597	1	03/17/2018 14:26	WG1085895
Acrylonitrile	U		0.00214	0.0119	1	03/17/2018 14:26	WG1085895
Benzene	U		0.000323	0.00119	1	03/17/2018 14:26	WG1085895
Bromobenzene	U		0.000339	0.00119	1	03/17/2018 14:26	WG1085895
Bromodichloromethane	U		0.000303	0.00119	1	03/17/2018 14:26	WG1085895
Bromochloromethane	U		0.000466	0.00597	1	03/17/2018 14:26	WG1085895
Bromoform	U		0.000507	0.00119	1	03/17/2018 14:26	WG1085895
Bromomethane	U		0.00160	0.00597	1	03/17/2018 14:26	WG1085895
n-Butylbenzene	U		0.000308	0.00119	1	03/17/2018 14:26	WG1085895
sec-Butylbenzene	U		0.000240	0.00119	1	03/17/2018 14:26	WG1085895
tert-Butylbenzene	U		0.000246	0.00119	1	03/17/2018 14:26	WG1085895
Carbon disulfide	0.00121		0.000264	0.00119	1	03/17/2018 14:26	WG1085895
Carbon tetrachloride	U		0.000392	0.00119	1	03/17/2018 14:26	WG1085895
Chlorobenzene	U		0.000253	0.00119	1	03/17/2018 14:26	WG1085895
Chlorodibromomethane	U		0.000446	0.00119	1	03/17/2018 14:26	WG1085895
Chloroethane	U		0.00113	0.00597	1	03/17/2018 14:26	WG1085895
Chloroform	U		0.000274	0.00597	1	03/17/2018 14:26	WG1085895
Chloromethane	U		0.000448	0.00299	1	03/17/2018 14:26	WG1085895
2-Chlorotoluene	U		0.000360	0.00119	1	03/17/2018 14:26	WG1085895
4-Chlorotoluene	U		0.000287	0.00119	1	03/17/2018 14:26	WG1085895
1,2-Dibromo-3-Chloropropane	U		0.00125	0.00597	1	03/17/2018 14:26	WG1085895
1,2-Dibromoethane	U		0.000410	0.00119	1	03/17/2018 14:26	WG1085895
Dibromomethane	U		0.000456	0.00119	1	03/17/2018 14:26	WG1085895
1,2-Dichlorobenzene	U		0.000364	0.00119	1	03/17/2018 14:26	WG1085895
1,3-Dichlorobenzene	U		0.000286	0.00119	1	03/17/2018 14:26	WG1085895
1,4-Dichlorobenzene	U		0.000270	0.00119	1	03/17/2018 14:26	WG1085895
Dichlorodifluoromethane	U		0.000852	0.00597	1	03/17/2018 14:26	WG1085895
1,1-Dichloroethane	U		0.000238	0.00119	1	03/17/2018 14:26	WG1085895
1,2-Dichloroethane	U		0.000317	0.00119	1	03/17/2018 14:26	WG1085895
1,1-Dichloroethene	U		0.000362	0.00119	1	03/17/2018 14:26	WG1085895
cis-1,2-Dichloroethene	0.000795	J J	0.000281	0.00119	1	03/17/2018 14:26	WG1085895
trans-1,2-Dichloroethene	U		0.000315	0.00119	1	03/17/2018 14:26	WG1085895
1,2-Dichloropropane	U		0.000428	0.00119	1	03/17/2018 14:26	WG1085895
1,1-Dichloropropene	U		0.000379	0.00119	1	03/17/2018 14:26	WG1085895
1,3-Dichloropropane	U		0.000247	0.00119	1	03/17/2018 14:26	WG1085895
cis-1,3-Dichloropropene	U		0.000313	0.00119	1	03/17/2018 14:26	WG1085895
trans-1,3-Dichloropropene	U		0.000319	0.00119	1	03/17/2018 14:26	WG1085895
trans-1,4-Dichloro-2-butene	U		0.000930	0.00299	1	03/17/2018 14:26	WG1085895
2,2-Dichloropropane	U		0.000333	0.00119	1	03/17/2018 14:26	WG1085895
Di-isopropyl ether	U		0.000296	0.00119	1	03/17/2018 14:26	WG1085895
Ethylbenzene	U		0.000355	0.00119	1	03/17/2018 14:26	WG1085895
Hexachloro-1,3-butadiene	U		0.000409	0.00119	1	03/17/2018 14:26	WG1085895
2-Hexanone	U		0.00164	0.0119	1	03/17/2018 14:26	WG1085895
n-Hexane	0.000408	J J	0.000346	0.0119	1	03/17/2018 14:26	WG1085895
Iodomethane	U		0.00302	0.0119	1	03/17/2018 14:26	WG1085895
Isopropylbenzene	U		0.000290	0.00119	1	03/17/2018 14:26	WG1085895
p-Isopropyltoluene	U		0.000244	0.00119	1	03/17/2018 14:26	WG1085895
2-Butanone (MEK)	U		0.00559	0.0119	1	03/17/2018 14:26	WG1085895
Methylene Chloride	U		0.00119	0.00597	1	03/17/2018 14:26	WG1085895
4-Methyl-2-pentanone (MIBK)	U		0.00225	0.0119	1	03/17/2018 14:26	WG1085895

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000253	0.00119	1	03/17/2018 14:26	WG1085895
Naphthalene	U		0.00119	0.00597	1	03/17/2018 14:26	WG1085895
n-Propylbenzene	U		0.000246	0.00119	1	03/17/2018 14:26	WG1085895
Styrene	U		0.000280	0.00119	1	03/17/2018 14:26	WG1085895
1,1,1,2-Tetrachloroethane	U		0.000315	0.00119	1	03/17/2018 14:26	WG1085895
1,1,2,2-Tetrachloroethane	U		0.000436	0.00119	1	03/17/2018 14:26	WG1085895
1,1,2-Trichlorotrifluoroethane	U		0.000436	0.00119	1	03/17/2018 14:26	WG1085895
Tetrachloroethene	U		0.000330	0.00119	1	03/17/2018 14:26	WG1085895
Toluene	U		0.000519	0.00597	1	03/17/2018 14:26	WG1085895
1,2,3-Trichlorobenzene	U		0.000366	0.00119	1	03/17/2018 14:26	WG1085895
1,2,4-Trichlorobenzene	U		0.000464	0.00119	1	03/17/2018 14:26	WG1085895
1,1,1-Trichloroethane	U		0.000342	0.00119	1	03/17/2018 14:26	WG1085895
1,1,2-Trichloroethane	U		0.000331	0.00119	1	03/17/2018 14:26	WG1085895
Trichloroethene	U		0.000333	0.00119	1	03/17/2018 14:26	WG1085895
Trichlorofluoromethane	U		0.000456	0.00597	1	03/17/2018 14:26	WG1085895
1,2,3-Trichloropropane	U		0.000885	0.00299	1	03/17/2018 14:26	WG1085895
1,2,4-Trimethylbenzene	U		0.000252	0.00119	1	03/17/2018 14:26	WG1085895
1,2,3-Trimethylbenzene	U		0.000343	0.00119	1	03/17/2018 14:26	WG1085895
1,3,5-Trimethylbenzene	U		0.000318	0.00119	1	03/17/2018 14:26	WG1085895
Vinyl acetate	U		0.00286	0.0119	1	03/17/2018 14:26	WG1085895
Vinyl chloride	0.00186		0.000348	0.00119	1	03/17/2018 14:26	WG1085895
Xylenes, Total	U		0.000834	0.00358	1	03/17/2018 14:26	WG1085895
(S) Toluene-d8	*98.3*			*80.0-120*		*03/17/2018 14:26*	WG1085895
(S) Dibromofluoromethane	*107*			*74.0-131*		*03/17/2018 14:26*	WG1085895
(S) 4-Bromofluorobenzene	*90.7*			*64.0-132*		*03/17/2018 14:26*	WG1085895

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Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	89.5		1	03/20/2018 09:39	WG1086138

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0112	0.0559	1	03/17/2018 14:46	WG1085895
Acrylonitrile	U		0.00200	0.0112	1	03/17/2018 14:46	WG1085895
Benzene	U		0.000302	0.00112	1	03/17/2018 14:46	WG1085895
Bromobenzene	U		0.000317	0.00112	1	03/17/2018 14:46	WG1085895
Bromodichloromethane	U		0.000284	0.00112	1	03/17/2018 14:46	WG1085895
Bromochloromethane	U		0.000436	0.00559	1	03/17/2018 14:46	WG1085895
Bromoform	U		0.000474	0.00112	1	03/17/2018 14:46	WG1085895
Bromomethane	U		0.00150	0.00559	1	03/17/2018 14:46	WG1085895
n-Butylbenzene	U		0.000288	0.00112	1	03/17/2018 14:46	WG1085895
sec-Butylbenzene	U		0.000225	0.00112	1	03/17/2018 14:46	WG1085895
tert-Butylbenzene	U		0.000230	0.00112	1	03/17/2018 14:46	WG1085895
Carbon disulfide	U		0.000247	0.00112	1	03/17/2018 14:46	WG1085895
Carbon tetrachloride	U		0.000366	0.00112	1	03/17/2018 14:46	WG1085895
Chlorobenzene	U		0.000237	0.00112	1	03/17/2018 14:46	WG1085895
Chlorodibromomethane	U		0.000417	0.00112	1	03/17/2018 14:46	WG1085895
Chloroethane	U		0.00106	0.00559	1	03/17/2018 14:46	WG1085895
Chloroform	U		0.000256	0.00559	1	03/17/2018 14:46	WG1085895
Chloromethane	U		0.000419	0.00279	1	03/17/2018 14:46	WG1085895
2-Chlorotoluene	U		0.000336	0.00112	1	03/17/2018 14:46	WG1085895
4-Chlorotoluene	U		0.000268	0.00112	1	03/17/2018 14:46	WG1085895
1,2-Dibromo-3-Chloropropane	U		0.00117	0.00559	1	03/17/2018 14:46	WG1085895
1,2-Dibromoethane	U		0.000383	0.00112	1	03/17/2018 14:46	WG1085895
Dibromomethane	U		0.000427	0.00112	1	03/17/2018 14:46	WG1085895
1,2-Dichlorobenzene	U		0.000341	0.00112	1	03/17/2018 14:46	WG1085895
1,3-Dichlorobenzene	U		0.000267	0.00112	1	03/17/2018 14:46	WG1085895
1,4-Dichlorobenzene	U		0.000252	0.00112	1	03/17/2018 14:46	WG1085895
Dichlorodifluoromethane	U		0.000796	0.00559	1	03/17/2018 14:46	WG1085895
1,1-Dichloroethane	U		0.000222	0.00112	1	03/17/2018 14:46	WG1085895
1,2-Dichloroethane	U		0.000296	0.00112	1	03/17/2018 14:46	WG1085895
1,1-Dichloroethene	0.000722	J J	0.000338	0.00112	1	03/17/2018 14:46	WG1085895
cis-1,2-Dichloroethene	0.304		0.0263	0.112	100	03/21/2018 14:33	WG1085895
trans-1,2-Dichloroethene	0.00130		0.000295	0.00112	1	03/17/2018 14:46	WG1085895
1,2-Dichloropropane	U		0.000400	0.00112	1	03/17/2018 14:46	WG1085895
1,1-Dichloropropene	U		0.000354	0.00112	1	03/17/2018 14:46	WG1085895
1,3-Dichloropropane	U		0.000231	0.00112	1	03/17/2018 14:46	WG1085895
cis-1,3-Dichloropropene	U		0.000293	0.00112	1	03/17/2018 14:46	WG1085895
trans-1,3-Dichloropropene	U		0.000298	0.00112	1	03/17/2018 14:46	WG1085895
trans-1,4-Dichloro-2-butene	U		0.000869	0.00279	1	03/17/2018 14:46	WG1085895
2,2-Dichloropropane	U		0.000312	0.00112	1	03/17/2018 14:46	WG1085895
Di-isopropyl ether	U		0.000277	0.00112	1	03/17/2018 14:46	WG1085895
Ethylbenzene	U		0.000332	0.00112	1	03/17/2018 14:46	WG1085895
Hexachloro-1,3-butadiene	U		0.000382	0.00112	1	03/17/2018 14:46	WG1085895
2-Hexanone	U		0.00153	0.0112	1	03/17/2018 14:46	WG1085895
n-Hexane	U		0.000324	0.0112	1	03/17/2018 14:46	WG1085895
Iodomethane	U		0.00283	0.0112	1	03/17/2018 14:46	WG1085895
Isopropylbenzene	U		0.000271	0.00112	1	03/17/2018 14:46	WG1085895
p-Isopropyltoluene	U		0.000228	0.00112	1	03/17/2018 14:46	WG1085895
2-Butanone (MEK)	U		0.00523	0.0112	1	03/17/2018 14:46	WG1085895
Methylene Chloride	U		0.00112	0.00559	1	03/17/2018 14:46	WG1085895
4-Methyl-2-pentanone (MIBK)	U		0.00210	0.0112	1	03/17/2018 14:46	WG1085895

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000237	0.00112	1	03/17/2018 14:46	WG1085895
Naphthalene	U		0.00112	0.00559	1	03/17/2018 14:46	WG1085895
n-Propylbenzene	U		0.000230	0.00112	1	03/17/2018 14:46	WG1085895
Styrene	U		0.000261	0.00112	1	03/17/2018 14:46	WG1085895
1,1,1,2-Tetrachloroethane	U		0.000295	0.00112	1	03/17/2018 14:46	WG1085895
1,1,2,2-Tetrachloroethane	U		0.000408	0.00112	1	03/17/2018 14:46	WG1085895
1,1,2-Trichlorotrifluoroethane	U		0.000408	0.00112	1	03/17/2018 14:46	WG1085895
Tetrachloroethene	6.20		0.0308	0.112	100	03/21/2018 14:33	WG1085895
Toluene	U		0.000485	0.00559	1	03/17/2018 14:46	WG1085895
1,2,3-Trichlorobenzene	U		0.000342	0.00112	1	03/17/2018 14:46	WG1085895
1,2,4-Trichlorobenzene	U		0.000433	0.00112	1	03/17/2018 14:46	WG1085895
1,1,1-Trichloroethane	U		0.000319	0.00112	1	03/17/2018 14:46	WG1085895
1,1,2-Trichloroethane	U		0.000309	0.00112	1	03/17/2018 14:46	WG1085895
Trichloroethene	0.388		0.0312	0.112	100	03/21/2018 14:33	WG1085895
Trichlorofluoromethane	U		0.000427	0.00559	1	03/17/2018 14:46	WG1085895
1,2,3-Trichloropropane	U		0.000828	0.00279	1	03/17/2018 14:46	WG1085895
1,2,4-Trimethylbenzene	U		0.000236	0.00112	1	03/17/2018 14:46	WG1085895
1,2,3-Trimethylbenzene	U		0.000321	0.00112	1	03/17/2018 14:46	WG1085895
1,3,5-Trimethylbenzene	U		0.000297	0.00112	1	03/17/2018 14:46	WG1085895
Vinyl acetate	U		0.00267	0.0112	1	03/17/2018 14:46	WG1085895
Vinyl chloride	0.00850		0.000325	0.00112	1	03/17/2018 14:46	WG1085895
Xylenes, Total	U		0.000780	0.00335	1	03/17/2018 14:46	WG1085895
(S) Toluene-d8	*115*			*80.0-120*		*03/21/2018 14:33*	WG1085895
(S) Toluene-d8	*97.2*			*80.0-120*		*03/17/2018 14:46*	WG1085895
(S) Dibromofluoromethane	*98.4*			*74.0-131*		*03/21/2018 14:33*	WG1085895
(S) Dibromofluoromethane	*104*			*74.0-131*		*03/17/2018 14:46*	WG1085895
(S) 4-Bromofluorobenzene	*95.4*			*64.0-132*		*03/21/2018 14:33*	WG1085895
(S) 4-Bromofluorobenzene	*90.8*			*64.0-132*		*03/17/2018 14:46*	WG1085895

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Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	79.4		1	03/20/2018 09:39	WG1086138

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0126	0.0630	1	03/17/2018 15:06	WG1085895
Acrylonitrile	U		0.00225	0.0126	1	03/17/2018 15:06	WG1085895
Benzene	U		0.000340	0.00126	1	03/17/2018 15:06	WG1085895
Bromobenzene	U		0.000358	0.00126	1	03/17/2018 15:06	WG1085895
Bromodichloromethane	U		0.000320	0.00126	1	03/17/2018 15:06	WG1085895
Bromochloromethane	U		0.000491	0.00630	1	03/17/2018 15:06	WG1085895
Bromoform	U		0.000534	0.00126	1	03/17/2018 15:06	WG1085895
Bromomethane	U		0.00169	0.00630	1	03/17/2018 15:06	WG1085895
n-Butylbenzene	U		0.000325	0.00126	1	03/17/2018 15:06	WG1085895
sec-Butylbenzene	U		0.000253	0.00126	1	03/17/2018 15:06	WG1085895
tert-Butylbenzene	U		0.000259	0.00126	1	03/17/2018 15:06	WG1085895
Carbon disulfide	0.000409	J J	0.000278	0.00126	1	03/17/2018 15:06	WG1085895
Carbon tetrachloride	U		0.000413	0.00126	1	03/17/2018 15:06	WG1085895
Chlorobenzene	U		0.000267	0.00126	1	03/17/2018 15:06	WG1085895
Chlorodibromomethane	U		0.000470	0.00126	1	03/17/2018 15:06	WG1085895
Chloroethane	U		0.00119	0.00630	1	03/17/2018 15:06	WG1085895
Chloroform	U		0.000288	0.00630	1	03/17/2018 15:06	WG1085895
Chloromethane	U		0.000472	0.00315	1	03/17/2018 15:06	WG1085895
2-Chlorotoluene	U		0.000379	0.00126	1	03/17/2018 15:06	WG1085895
4-Chlorotoluene	U		0.000302	0.00126	1	03/17/2018 15:06	WG1085895
1,2-Dibromo-3-Chloropropane	U		0.00132	0.00630	1	03/17/2018 15:06	WG1085895
1,2-Dibromoethane	U		0.000432	0.00126	1	03/17/2018 15:06	WG1085895
Dibromomethane	U		0.000481	0.00126	1	03/17/2018 15:06	WG1085895
1,2-Dichlorobenzene	U		0.000384	0.00126	1	03/17/2018 15:06	WG1085895
1,3-Dichlorobenzene	U		0.000301	0.00126	1	03/17/2018 15:06	WG1085895
1,4-Dichlorobenzene	U		0.000285	0.00126	1	03/17/2018 15:06	WG1085895
Dichlorodifluoromethane	U		0.000898	0.00630	1	03/17/2018 15:06	WG1085895
1,1-Dichloroethane	U		0.000251	0.00126	1	03/17/2018 15:06	WG1085895
1,2-Dichloroethane	U		0.000334	0.00126	1	03/17/2018 15:06	WG1085895
1,1-Dichloroethene	U		0.000382	0.00126	1	03/17/2018 15:06	WG1085895
cis-1,2-Dichloroethene	0.0708		0.000296	0.00126	1	03/17/2018 15:06	WG1085895
trans-1,2-Dichloroethene	0.000522	J J	0.000333	0.00126	1	03/17/2018 15:06	WG1085895
1,2-Dichloropropane	U		0.000451	0.00126	1	03/17/2018 15:06	WG1085895
1,1-Dichloropropene	U		0.000399	0.00126	1	03/17/2018 15:06	WG1085895
1,3-Dichloropropane	U		0.000261	0.00126	1	03/17/2018 15:06	WG1085895
cis-1,3-Dichloropropene	U		0.000330	0.00126	1	03/17/2018 15:06	WG1085895
trans-1,3-Dichloropropene	U		0.000336	0.00126	1	03/17/2018 15:06	WG1085895
trans-1,4-Dichloro-2-butene	U		0.000980	0.00315	1	03/17/2018 15:06	WG1085895
2,2-Dichloropropane	U		0.000351	0.00126	1	03/17/2018 15:06	WG1085895
Di-isopropyl ether	U		0.000312	0.00126	1	03/17/2018 15:06	WG1085895
Ethylbenzene	U		0.000374	0.00126	1	03/17/2018 15:06	WG1085895
Hexachloro-1,3-butadiene	U		0.000431	0.00126	1	03/17/2018 15:06	WG1085895
2-Hexanone	U		0.00173	0.0126	1	03/17/2018 15:06	WG1085895
n-Hexane	0.000769	J J	0.000365	0.0126	1	03/17/2018 15:06	WG1085895
Iodomethane	U		0.00319	0.0126	1	03/17/2018 15:06	WG1085895
Isopropylbenzene	U		0.000306	0.00126	1	03/17/2018 15:06	WG1085895
p-Isopropyltoluene	U		0.000257	0.00126	1	03/17/2018 15:06	WG1085895
2-Butanone (MEK)	U		0.00590	0.0126	1	03/17/2018 15:06	WG1085895
Methylene Chloride	U		0.00126	0.00630	1	03/17/2018 15:06	WG1085895
4-Methyl-2-pentanone (MIBK)	U		0.00237	0.0126	1	03/17/2018 15:06	WG1085895

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000267	0.00126	1	03/17/2018 15:06	WG1085895
Naphthalene	U		0.00126	0.00630	1	03/17/2018 15:06	WG1085895
n-Propylbenzene	U		0.000259	0.00126	1	03/17/2018 15:06	WG1085895
Styrene	U		0.000295	0.00126	1	03/17/2018 15:06	WG1085895
1,1,1,2-Tetrachloroethane	U		0.000333	0.00126	1	03/17/2018 15:06	WG1085895
1,1,2,2-Tetrachloroethane	U		0.000460	0.00126	1	03/17/2018 15:06	WG1085895
1,1,2-Trichlorotrifluoroethane	U		0.000460	0.00126	1	03/17/2018 15:06	WG1085895
Tetrachloroethene	0.947		0.0174	0.0630	50	03/21/2018 14:54	WG1085895
Toluene	U		0.000547	0.00630	1	03/17/2018 15:06	WG1085895
1,2,3-Trichlorobenzene	U		0.000385	0.00126	1	03/17/2018 15:06	WG1085895
1,2,4-Trichlorobenzene	U		0.000489	0.00126	1	03/17/2018 15:06	WG1085895
1,1,1-Trichloroethane	U		0.000360	0.00126	1	03/17/2018 15:06	WG1085895
1,1,2-Trichloroethane	U		0.000349	0.00126	1	03/17/2018 15:06	WG1085895
Trichloroethene	0.0403		0.000351	0.00126	1	03/17/2018 15:06	WG1085895
Trichlorofluoromethane	U		0.000481	0.00630	1	03/17/2018 15:06	WG1085895
1,2,3-Trichloropropane	U		0.000933	0.00315	1	03/17/2018 15:06	WG1085895
1,2,4-Trimethylbenzene	U		0.000266	0.00126	1	03/17/2018 15:06	WG1085895
1,2,3-Trimethylbenzene	U		0.000362	0.00126	1	03/17/2018 15:06	WG1085895
1,3,5-Trimethylbenzene	U		0.000335	0.00126	1	03/17/2018 15:06	WG1085895
Vinyl acetate	U		0.00301	0.0126	1	03/17/2018 15:06	WG1085895
Vinyl chloride	0.00140		0.000367	0.00126	1	03/17/2018 15:06	WG1085895
Xylenes, Total	U		0.000879	0.00378	1	03/17/2018 15:06	WG1085895
(S) Toluene-d8	*97.9*			*80.0-120*		*03/17/2018 15:06*	WG1085895
(S) Toluene-d8	*115*			*80.0-120*		*03/21/2018 14:54*	WG1085895
(S) Dibromofluoromethane	*97.4*			*74.0-131*		*03/21/2018 14:54*	WG1085895
(S) Dibromofluoromethane	*102*			*74.0-131*		*03/17/2018 15:06*	WG1085895
(S) 4-Bromofluorobenzene	*90.9*			*64.0-132*		*03/17/2018 15:06*	WG1085895
(S) 4-Bromofluorobenzene	*96.0*			*64.0-132*		*03/21/2018 14:54*	WG1085895

JC 4/10/18

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	92.2		1	03/20/2018 09:39	WG1086138

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0108	0.0542	1	03/17/2018 15:25	WG1085895
Acrylonitrile	U		0.00194	0.0108	1	03/17/2018 15:25	WG1085895
Benzene	U		0.000293	0.00108	1	03/17/2018 15:25	WG1085895
Bromobenzene	U		0.000308	0.00108	1	03/17/2018 15:25	WG1085895
Bromodichloromethane	U		0.000275	0.00108	1	03/17/2018 15:25	WG1085895
Bromochloromethane	U		0.000423	0.00542	1	03/17/2018 15:25	WG1085895
Bromoform	U		0.000460	0.00108	1	03/17/2018 15:25	WG1085895
Bromomethane	U		0.00145	0.00542	1	03/17/2018 15:25	WG1085895
n-Butylbenzene	U		0.000280	0.00108	1	03/17/2018 15:25	WG1085895
sec-Butylbenzene	U		0.000218	0.00108	1	03/17/2018 15:25	WG1085895
tert-Butylbenzene	U		0.000223	0.00108	1	03/17/2018 15:25	WG1085895
Carbon disulfide	0.000649	J J	0.000240	0.00108	1	03/17/2018 15:25	WG1085895
Carbon tetrachloride	U		0.000356	0.00108	1	03/17/2018 15:25	WG1085895
Chlorobenzene	U		0.000230	0.00108	1	03/17/2018 15:25	WG1085895
Chlorodibromomethane	U		0.000405	0.00108	1	03/17/2018 15:25	WG1085895
Chloroethane	U		0.00103	0.00542	1	03/17/2018 15:25	WG1085895
Chloroform	U		0.000248	0.00542	1	03/17/2018 15:25	WG1085895
Chloromethane	U		0.000407	0.00271	1	03/17/2018 15:25	WG1085895
2-Chlorotoluene	U		0.000326	0.00108	1	03/17/2018 15:25	WG1085895
4-Chlorotoluene	U		0.000260	0.00108	1	03/17/2018 15:25	WG1085895
1,2-Dibromo-3-Chloropropane	U		0.00114	0.00542	1	03/17/2018 15:25	WG1085895
1,2-Dibromoethane	U		0.000372	0.00108	1	03/17/2018 15:25	WG1085895
Dibromomethane	U		0.000414	0.00108	1	03/17/2018 15:25	WG1085895
1,2-Dichlorobenzene	U		0.000331	0.00108	1	03/17/2018 15:25	WG1085895
1,3-Dichlorobenzene	U		0.000259	0.00108	1	03/17/2018 15:25	WG1085895
1,4-Dichlorobenzene	U		0.000245	0.00108	1	03/17/2018 15:25	WG1085895
Dichlorodifluoromethane	U		0.000773	0.00542	1	03/17/2018 15:25	WG1085895
1,1-Dichloroethane	U		0.000216	0.00108	1	03/17/2018 15:25	WG1085895
1,2-Dichloroethane	U		0.000287	0.00108	1	03/17/2018 15:25	WG1085895
1,1-Dichloroethene	0.00255		0.000329	0.00108	1	03/17/2018 15:25	WG1085895
cis-1,2-Dichloroethene	1.02		0.0510	0.217	200	03/21/2018 15:15	WG1085895
trans-1,2-Dichloroethene	0.00232		0.000286	0.00108	1	03/17/2018 15:25	WG1085895
1,2-Dichloropropane	U		0.000388	0.00108	1	03/17/2018 15:25	WG1085895
1,1-Dichloropropene	U		0.000344	0.00108	1	03/17/2018 15:25	WG1085895
1,3-Dichloropropane	U		0.000224	0.00108	1	03/17/2018 15:25	WG1085895
cis-1,3-Dichloropropene	U		0.000284	0.00108	1	03/17/2018 15:25	WG1085895
trans-1,3-Dichloropropene	U		0.000290	0.00108	1	03/17/2018 15:25	WG1085895
trans-1,4-Dichloro-2-butene	U		0.000844	0.00271	1	03/17/2018 15:25	WG1085895
2,2-Dichloropropane	U		0.000303	0.00108	1	03/17/2018 15:25	WG1085895
Di-isopropyl ether	U		0.000269	0.00108	1	03/17/2018 15:25	WG1085895
Ethylbenzene	U		0.000322	0.00108	1	03/17/2018 15:25	WG1085895
Hexachloro-1,3-butadiene	U		0.000371	0.00108	1	03/17/2018 15:25	WG1085895
2-Hexanone	U		0.00149	0.0108	1	03/17/2018 15:25	WG1085895
n-Hexane	0.000782	J J	0.000315	0.0108	1	03/17/2018 15:25	WG1085895
Iodomethane	U		0.00274	0.0108	1	03/17/2018 15:25	WG1085895
Isopropylbenzene	U		0.000264	0.00108	1	03/17/2018 15:25	WG1085895
p-Isopropyltoluene	U		0.000221	0.00108	1	03/17/2018 15:25	WG1085895
2-Butanone (MEK)	U		0.00508	0.0108	1	03/17/2018 15:25	WG1085895
Methylene Chloride	U		0.00108	0.00542	1	03/17/2018 15:25	WG1085895
4-Methyl-2-pentanone (MIBK)	U		0.00204	0.0108	1	03/17/2018 15:25	WG1085895

JC 4/10/18

IW-2C-45
Collected date/time: 03/07/18 10:05

SAMPLE RESULTS - 05
L977245

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000230	0.00108	1	03/17/2018 15:25	WG1085895
Naphthalene	U		0.00108	0.00542	1	03/17/2018 15:25	WG1085895
n-Propylbenzene	U		0.000223	0.00108	1	03/17/2018 15:25	WG1085895
Styrene	U		0.000254	0.00108	1	03/17/2018 15:25	WG1085895
1,1,1,2-Tetrachloroethane	U		0.000286	0.00108	1	03/17/2018 15:25	WG1085895
1,1,2,2-Tetrachloroethane	U		0.000396	0.00108	1	03/17/2018 15:25	WG1085895
1,1,2-Trichlorotrifluoroethane	U		0.000396	0.00108	1	03/17/2018 15:25	WG1085895
Tetrachloroethene	8.84		0.0599	0.217	200	03/21/2018 15:15	WG1085895
Toluene	U		0.000471	0.00542	1	03/17/2018 15:25	WG1085895
1,2,3-Trichlorobenzene	U		0.000332	0.00108	1	03/17/2018 15:25	WG1085895
1,2,4-Trichlorobenzene	U		0.000421	0.00108	1	03/17/2018 15:25	WG1085895
1,1,1-Trichloroethane	U		0.000310	0.00108	1	03/17/2018 15:25	WG1085895
1,1,2-Trichloroethane	U		0.000300	0.00108	1	03/17/2018 15:25	WG1085895
Trichloroethene	0.611		0.0605	0.217	200	03/21/2018 15:15	WG1085895
Trichlorofluoromethane	U		0.000414	0.00542	1	03/17/2018 15:25	WG1085895
1,2,3-Trichloropropane	U		0.000804	0.00271	1	03/17/2018 15:25	WG1085895
1,2,4-Trimethylbenzene	U		0.000229	0.00108	1	03/17/2018 15:25	WG1085895
1,2,3-Trimethylbenzene	U		0.000311	0.00108	1	03/17/2018 15:25	WG1085895
1,3,5-Trimethylbenzene	U		0.000288	0.00108	1	03/17/2018 15:25	WG1085895
Vinyl acetate	U		0.00259	0.0108	1	03/17/2018 15:25	WG1085895
Vinyl chloride	0.0551		0.000316	0.00108	1	03/17/2018 15:25	WG1085895
Xylenes, Total	U		0.000757	0.00325	1	03/17/2018 15:25	WG1085895
(S) Toluene-d8	*113*			*80.0-120*		*03/21/2018 15:15*	WG1085895
(S) Toluene-d8	*97.3*			*80.0-120*		*03/17/2018 15:25*	WG1085895
(S) Dibromofluoromethane	*99.6*			*74.0-131*		*03/21/2018 15:15*	WG1085895
(S) Dibromofluoromethane	*109*			*74.0-131*		*03/17/2018 15:25*	WG1085895
(S) 4-Bromofluorobenzene	*95.3*			*64.0-132*		*03/21/2018 15:15*	WG1085895
(S) 4-Bromofluorobenzene	*95.1*			*64.0-132*		*03/17/2018 15:25*	WG1085895

JC 4/10/18

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	85.9		1	03/20/2018 09:39	WG1086138

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0116	0.0582	1	03/17/2018 15:45	WG1085895
Acrylonitrile	U		0.00208	0.0116	1	03/17/2018 15:45	WG1085895
Benzene	U		0.000314	0.00116	1	03/17/2018 15:45	WG1085895
Bromobenzene	U		0.000331	0.00116	1	03/17/2018 15:45	WG1085895
Bromodichloromethane	U		0.000296	0.00116	1	03/17/2018 15:45	WG1085895
Bromochloromethane	U		0.000454	0.00582	1	03/17/2018 15:45	WG1085895
Bromoform	U		0.000494	0.00116	1	03/17/2018 15:45	WG1085895
Bromomethane	U		0.00156	0.00582	1	03/17/2018 15:45	WG1085895
n-Butylbenzene	U		0.000301	0.00116	1	03/17/2018 15:45	WG1085895
sec-Butylbenzene	U		0.000234	0.00116	1	03/17/2018 15:45	WG1085895
tert-Butylbenzene	U		0.000240	0.00116	1	03/17/2018 15:45	WG1085895
Carbon disulfide	0.000584	J J	0.000257	0.00116	1	03/17/2018 15:45	WG1085895
Carbon tetrachloride	U		0.000382	0.00116	1	03/17/2018 15:45	WG1085895
Chlorobenzene	U		0.000247	0.00116	1	03/17/2018 15:45	WG1085895
Chlorodibromomethane	U		0.000434	0.00116	1	03/17/2018 15:45	WG1085895
Chloroethane	U		0.00110	0.00582	1	03/17/2018 15:45	WG1085895
Chloroform	U		0.000267	0.00582	1	03/17/2018 15:45	WG1085895
Chloromethane	U		0.000437	0.00291	1	03/17/2018 15:45	WG1085895
2-Chlorotoluene	U		0.000351	0.00116	1	03/17/2018 15:45	WG1085895
4-Chlorotoluene	U		0.000280	0.00116	1	03/17/2018 15:45	WG1085895
1,2-Dibromo-3-Chloropropane	U		0.00122	0.00582	1	03/17/2018 15:45	WG1085895
1,2-Dibromoethane	U		0.000400	0.00116	1	03/17/2018 15:45	WG1085895
Dibromomethane	U		0.000445	0.00116	1	03/17/2018 15:45	WG1085895
1,2-Dichlorobenzene	U		0.000355	0.00116	1	03/17/2018 15:45	WG1085895
1,3-Dichlorobenzene	U		0.000278	0.00116	1	03/17/2018 15:45	WG1085895
1,4-Dichlorobenzene	U		0.000263	0.00116	1	03/17/2018 15:45	WG1085895
Dichlorodifluoromethane	U		0.000830	0.00582	1	03/17/2018 15:45	WG1085895
1,1-Dichloroethane	U		0.000232	0.00116	1	03/17/2018 15:45	WG1085895
1,2-Dichloroethane	U		0.000309	0.00116	1	03/17/2018 15:45	WG1085895
1,1-Dichloroethene	U		0.000353	0.00116	1	03/17/2018 15:45	WG1085895
cis-1,2-Dichloroethene	0.0123		0.000274	0.00116	1	03/21/2018 13:30	WG1085895
trans-1,2-Dichloroethene	U		0.000308	0.00116	1	03/17/2018 15:45	WG1085895
1,2-Dichloropropane	U		0.000417	0.00116	1	03/17/2018 15:45	WG1085895
1,1-Dichloropropene	U		0.000369	0.00116	1	03/17/2018 15:45	WG1085895
1,3-Dichloropropane	U		0.000241	0.00116	1	03/17/2018 15:45	WG1085895
cis-1,3-Dichloropropene	U		0.000305	0.00116	1	03/17/2018 15:45	WG1085895
trans-1,3-Dichloropropene	U		0.000311	0.00116	1	03/17/2018 15:45	WG1085895
trans-1,4-Dichloro-2-butene	U		0.000906	0.00291	1	03/17/2018 15:45	WG1085895
2,2-Dichloropropane	U		0.000325	0.00116	1	03/17/2018 15:45	WG1085895
Di-isopropyl ether	U		0.000289	0.00116	1	03/17/2018 15:45	WG1085895
Ethylbenzene	U		0.000346	0.00116	1	03/17/2018 15:45	WG1085895
Hexachloro-1,3-butadiene	U		0.000398	0.00116	1	03/17/2018 15:45	WG1085895
2-Hexanone	U		0.00160	0.0116	1	03/17/2018 15:45	WG1085895
n-Hexane	0.00569	J J	0.000338	0.0116	1	03/17/2018 15:45	WG1085895
Iodomethane	U		0.00295	0.0116	1	03/17/2018 15:45	WG1085895
Isopropylbenzene	U		0.000283	0.00116	1	03/17/2018 15:45	WG1085895
p-Isopropyltoluene	U		0.000238	0.00116	1	03/17/2018 15:45	WG1085895
2-Butanone (MEK)	U		0.00545	0.0116	1	03/17/2018 15:45	WG1085895
Methylene Chloride	U		0.00116	0.00582	1	03/17/2018 15:45	WG1085895
4-Methyl-2-pentanone (MIBK)	U		0.00219	0.0116	1	03/17/2018 15:45	WG1085895

JC 4/10/18

IW-2C-55

Collected date/time: 03/07/18 10:55

SAMPLE RESULTS - 06

L977245

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000247	0.00116	1	03/17/2018 15:45	WG1085895
Naphthalene	U		0.00116	0.00582	1	03/17/2018 15:45	WG1085895
n-Propylbenzene	U		0.000240	0.00116	1	03/17/2018 15:45	WG1085895
Styrene	U		0.000273	0.00116	1	03/17/2018 15:45	WG1085895
1,1,1,2-Tetrachloroethane	U		0.000308	0.00116	1	03/17/2018 15:45	WG1085895
1,1,2,2-Tetrachloroethane	U		0.000425	0.00116	1	03/17/2018 15:45	WG1085895
1,1,2-Trichlorotrifluoroethane	U		0.000425	0.00116	1	03/17/2018 15:45	WG1085895
Tetrachloroethene	0.0381		0.000321	0.00116	1	03/21/2018 13:30	WG1085895
Toluene	U		0.000506	0.00582	1	03/17/2018 15:45	WG1085895
1,2,3-Trichlorobenzene	U		0.000356	0.00116	1	03/17/2018 15:45	WG1085895
1,2,4-Trichlorobenzene	U		0.000452	0.00116	1	03/17/2018 15:45	WG1085895
1,1,1-Trichloroethane	U		0.000333	0.00116	1	03/17/2018 15:45	WG1085895
1,1,2-Trichloroethane	U		0.000323	0.00116	1	03/17/2018 15:45	WG1085895
Trichloroethene	0.00499		0.000325	0.00116	1	03/21/2018 13:30	WG1085895
Trichlorofluoromethane	U		0.000445	0.00582	1	03/17/2018 15:45	WG1085895
1,2,3-Trichloropropane	U		0.000863	0.00291	1	03/17/2018 15:45	WG1085895
1,2,4-Trimethylbenzene	U		0.000246	0.00116	1	03/17/2018 15:45	WG1085895
1,2,3-Trimethylbenzene	U		0.000334	0.00116	1	03/17/2018 15:45	WG1085895
1,3,5-Trimethylbenzene	U		0.000310	0.00116	1	03/17/2018 15:45	WG1085895
Vinyl acetate	U		0.00278	0.0116	1	03/17/2018 15:45	WG1085895
Vinyl chloride	0.00598		0.000339	0.00116	1	03/17/2018 15:45	WG1085895
Xylenes, Total	U		0.000813	0.00349	1	03/17/2018 15:45	WG1085895
(S) Toluene-d8	*99.2*			*80.0-120*		*03/17/2018 15:45*	WG1085895
(S) Toluene-d8	*104*			*80.0-120*		*03/21/2018 13:30*	WG1085895
(S) Dibromofluoromethane	*109*			*74.0-131*		*03/21/2018 13:30*	WG1085895
(S) Dibromofluoromethane	*107*			*74.0-131*		*03/17/2018 15:45*	WG1085895
(S) 4-Bromofluorobenzene	*91.9*			*64.0-132*		*03/17/2018 15:45*	WG1085895
(S) 4-Bromofluorobenzene	*95.6*			*64.0-132*		*03/21/2018 13:30*	WG1085895

JC 4/10/18

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	91.4		1	03/20/2018 09:39	WG1086138

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0109	0.0547	1	03/17/2018 16:04	WG1085895
Acrylonitrile	U		0.00196	0.0109	1	03/17/2018 16:04	WG1085895
Benzene	0.000814	J J	0.000295	0.00109	1	03/17/2018 16:04	WG1085895
Bromobenzene	U		0.000311	0.00109	1	03/17/2018 16:04	WG1085895
Bromodichloromethane	U		0.000278	0.00109	1	03/17/2018 16:04	WG1085895
Bromochloromethane	U		0.000427	0.00547	1	03/17/2018 16:04	WG1085895
Bromoform	U		0.000464	0.00109	1	03/17/2018 16:04	WG1085895
Bromomethane	U		0.00147	0.00547	1	03/17/2018 16:04	WG1085895
n-Butylbenzene	U		0.000282	0.00109	1	03/17/2018 16:04	WG1085895
sec-Butylbenzene	U		0.000220	0.00109	1	03/17/2018 16:04	WG1085895
tert-Butylbenzene	U		0.000225	0.00109	1	03/17/2018 16:04	WG1085895
Carbon disulfide	0.000627	J J	0.000242	0.00109	1	03/17/2018 16:04	WG1085895
Carbon tetrachloride	U		0.000359	0.00109	1	03/17/2018 16:04	WG1085895
Chlorobenzene	U		0.000232	0.00109	1	03/17/2018 16:04	WG1085895
Chlorodibromomethane	U		0.000408	0.00109	1	03/17/2018 16:04	WG1085895
Chloroethane	U		0.00103	0.00547	1	03/17/2018 16:04	WG1085895
Chloroform	U		0.000250	0.00547	1	03/17/2018 16:04	WG1085895
Chloromethane	U		0.000410	0.00273	1	03/17/2018 16:04	WG1085895
2-Chlorotoluene	U		0.000329	0.00109	1	03/17/2018 16:04	WG1085895
4-Chlorotoluene	U		0.000262	0.00109	1	03/17/2018 16:04	WG1085895
1,2-Dibromo-3-Chloropropane	U		0.00115	0.00547	1	03/17/2018 16:04	WG1085895
1,2-Dibromoethane	U		0.000375	0.00109	1	03/17/2018 16:04	WG1085895
Dibromomethane	U		0.000418	0.00109	1	03/17/2018 16:04	WG1085895
1,2-Dichlorobenzene	U		0.000334	0.00109	1	03/17/2018 16:04	WG1085895
1,3-Dichlorobenzene	U		0.000261	0.00109	1	03/17/2018 16:04	WG1085895
1,4-Dichlorobenzene	U		0.000247	0.00109	1	03/17/2018 16:04	WG1085895
Dichlorodifluoromethane	U		0.000780	0.00547	1	03/17/2018 16:04	WG1085895
1,1-Dichloroethane	U		0.000218	0.00109	1	03/17/2018 16:04	WG1085895
1,2-Dichloroethane	U		0.000290	0.00109	1	03/17/2018 16:04	WG1085895
1,1-Dichloroethene	U		0.000331	0.00109	1	03/17/2018 16:04	WG1085895
cis-1,2-Dichloroethene	0.00376		0.000257	0.00109	1	03/21/2018 13:52	WG1085895
trans-1,2-Dichloroethene	U		0.000289	0.00109	1	03/17/2018 16:04	WG1085895
1,2-Dichloropropane	U		0.000392	0.00109	1	03/17/2018 16:04	WG1085895
1,1-Dichloropropene	U		0.000347	0.00109	1	03/17/2018 16:04	WG1085895
1,3-Dichloropropane	U		0.000226	0.00109	1	03/17/2018 16:04	WG1085895
cis-1,3-Dichloropropene	U		0.000287	0.00109	1	03/17/2018 16:04	WG1085895
trans-1,3-Dichloropropene	U		0.000292	0.00109	1	03/17/2018 16:04	WG1085895
trans-1,4-Dichloro-2-butene	U		0.000851	0.00273	1	03/17/2018 16:04	WG1085895
2,2-Dichloropropane	U		0.000305	0.00109	1	03/17/2018 16:04	WG1085895
Di-isopropyl ether	U		0.000271	0.00109	1	03/17/2018 16:04	WG1085895
Ethylbenzene	U		0.000325	0.00109	1	03/17/2018 16:04	WG1085895
Hexachloro-1,3-butadiene	U		0.000374	0.00109	1	03/17/2018 16:04	WG1085895
2-Hexanone	U		0.00150	0.0109	1	03/17/2018 16:04	WG1085895
n-Hexane	U		0.000317	0.0109	1	03/17/2018 16:04	WG1085895
Iodomethane	U		0.00277	0.0109	1	03/17/2018 16:04	WG1085895
Isopropylbenzene	U		0.000266	0.00109	1	03/17/2018 16:04	WG1085895
p-Isopropyltoluene	U		0.000223	0.00109	1	03/17/2018 16:04	WG1085895
2-Butanone (MEK)	U		0.00512	0.0109	1	03/17/2018 16:04	WG1085895
Methylene Chloride	U		0.00109	0.00547	1	03/17/2018 16:04	WG1085895
4-Methyl-2-pentanone (MIBK)	U		0.00206	0.0109	1	03/17/2018 16:04	WG1085895

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000232	0.00109	1	03/17/2018 16:04	WG1085895
Naphthalene	U		0.00109	0.00547	1	03/17/2018 16:04	WG1085895
n-Propylbenzene	U		0.000225	0.00109	1	03/17/2018 16:04	WG1085895
Styrene	U		0.000256	0.00109	1	03/17/2018 16:04	WG1085895
1,1,1,2-Tetrachloroethane	U		0.000289	0.00109	1	03/17/2018 16:04	WG1085895
1,1,2,2-Tetrachloroethane	U		0.000399	0.00109	1	03/17/2018 16:04	WG1085895
1,1,2-Trichlorotrifluoroethane	U		0.000399	0.00109	1	03/17/2018 16:04	WG1085895
Tetrachloroethene	0.00836		0.000302	0.00109	1	03/21/2018 13:52	WG1085895
Toluene	0.000725	J J	0.000475	0.00547	1	03/17/2018 16:04	WG1085895
1,2,3-Trichlorobenzene	U		0.000335	0.00109	1	03/17/2018 16:04	WG1085895
1,2,4-Trichlorobenzene	U		0.000424	0.00109	1	03/17/2018 16:04	WG1085895
1,1,1-Trichloroethane	U		0.000313	0.00109	1	03/17/2018 16:04	WG1085895
1,1,2-Trichloroethane	U		0.000303	0.00109	1	03/17/2018 16:04	WG1085895
Trichloroethene	0.000755	J J	0.000305	0.00109	1	03/21/2018 13:52	WG1085895
Trichlorofluoromethane	U		0.000418	0.00547	1	03/17/2018 16:04	WG1085895
1,2,3-Trichloropropane	U		0.000810	0.00273	1	03/17/2018 16:04	WG1085895
1,2,4-Trimethylbenzene	U		0.000231	0.00109	1	03/17/2018 16:04	WG1085895
1,2,3-Trimethylbenzene	U		0.000314	0.00109	1	03/17/2018 16:04	WG1085895
1,3,5-Trimethylbenzene	U		0.000291	0.00109	1	03/17/2018 16:04	WG1085895
Vinyl acetate	U		0.00261	0.0109	1	03/17/2018 16:04	WG1085895
Vinyl chloride	0.00496		0.000318	0.00109	1	03/17/2018 16:04	WG1085895
Xylenes, Total	U		0.000763	0.00328	1	03/17/2018 16:04	WG1085895
(S) Toluene-d8	*105*			*80.0-120*		*03/21/2018 13:52*	WG1085895
(S) Toluene-d8	*97.6*			*80.0-120*		*03/17/2018 16:04*	WG1085895
(S) Dibromofluoromethane	*103*			*74.0-131*		*03/17/2018 16:04*	WG1085895
(S) Dibromofluoromethane	*108*			*74.0-131*		*03/21/2018 13:52*	WG1085895
(S) 4-Bromofluorobenzene	*95.3*			*64.0-132*		*03/21/2018 13:52*	WG1085895
(S) 4-Bromofluorobenzene	*88.9*			*64.0-132*		*03/17/2018 16:04*	WG1085895

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1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	83.3		1	03/20/2018 09:39	WG1086138

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0120	0.0601	1	03/17/2018 16:24	WG1085895
Acrylonitrile	U		0.00215	0.0120	1	03/17/2018 16:24	WG1085895
Benzene	U		0.000324	0.00120	1	03/17/2018 16:24	WG1085895
Bromobenzene	U		0.000341	0.00120	1	03/17/2018 16:24	WG1085895
Bromodichloromethane	U		0.000305	0.00120	1	03/17/2018 16:24	WG1085895
Bromochloromethane	U		0.000468	0.00601	1	03/17/2018 16:24	WG1085895
Bromoform	U		0.000509	0.00120	1	03/17/2018 16:24	WG1085895
Bromomethane	U		0.00161	0.00601	1	03/17/2018 16:24	WG1085895
n-Butylbenzene	U		0.000310	0.00120	1	03/17/2018 16:24	WG1085895
sec-Butylbenzene	U		0.000241	0.00120	1	03/17/2018 16:24	WG1085895
tert-Butylbenzene	U		0.000247	0.00120	1	03/17/2018 16:24	WG1085895
Carbon disulfide	0.000537	J J	0.000265	0.00120	1	03/17/2018 16:24	WG1085895
Carbon tetrachloride	U		0.000394	0.00120	1	03/17/2018 16:24	WG1085895
Chlorobenzene	U		0.000255	0.00120	1	03/17/2018 16:24	WG1085895
Chlorodibromomethane	U		0.000448	0.00120	1	03/17/2018 16:24	WG1085895
Chloroethane	U		0.00114	0.00601	1	03/17/2018 16:24	WG1085895
Chloroform	U		0.000275	0.00601	1	03/17/2018 16:24	WG1085895
Chloromethane	U		0.000450	0.00300	1	03/17/2018 16:24	WG1085895
2-Chlorotoluene	U		0.000362	0.00120	1	03/17/2018 16:24	WG1085895
4-Chlorotoluene	U		0.000288	0.00120	1	03/17/2018 16:24	WG1085895
1,2-Dibromo-3-Chloropropane	U		0.00126	0.00601	1	03/17/2018 16:24	WG1085895
1,2-Dibromoethane	U		0.000412	0.00120	1	03/17/2018 16:24	WG1085895
Dibromomethane	U		0.000459	0.00120	1	03/17/2018 16:24	WG1085895
1,2-Dichlorobenzene	U		0.000366	0.00120	1	03/17/2018 16:24	WG1085895
1,3-Dichlorobenzene	U		0.000287	0.00120	1	03/17/2018 16:24	WG1085895
1,4-Dichlorobenzene	U		0.000271	0.00120	1	03/17/2018 16:24	WG1085895
Dichlorodifluoromethane	U		0.000856	0.00601	1	03/17/2018 16:24	WG1085895
1,1-Dichloroethane	U		0.000239	0.00120	1	03/17/2018 16:24	WG1085895
1,2-Dichloroethane	U		0.000318	0.00120	1	03/17/2018 16:24	WG1085895
1,1-Dichloroethene	U		0.000364	0.00120	1	03/17/2018 16:24	WG1085895
cis-1,2-Dichloroethene	U		0.000282	0.00120	1	03/21/2018 14:12	WG1085895
trans-1,2-Dichloroethene	U		0.000317	0.00120	1	03/17/2018 16:24	WG1085895
1,2-Dichloropropane	U		0.000430	0.00120	1	03/17/2018 16:24	WG1085895
1,1-Dichloropropene	U		0.000381	0.00120	1	03/17/2018 16:24	WG1085895
1,3-Dichloropropane	U		0.000249	0.00120	1	03/17/2018 16:24	WG1085895
cis-1,3-Dichloropropene	U		0.000315	0.00120	1	03/17/2018 16:24	WG1085895
trans-1,3-Dichloropropene	U		0.000321	0.00120	1	03/17/2018 16:24	WG1085895
trans-1,4-Dichloro-2-butene	U		0.000934	0.00300	1	03/17/2018 16:24	WG1085895
2,2-Dichloropropane	U		0.000335	0.00120	1	03/17/2018 16:24	WG1085895
Di-isopropyl ether	U		0.000298	0.00120	1	03/17/2018 16:24	WG1085895
Ethylbenzene	U		0.000357	0.00120	1	03/17/2018 16:24	WG1085895
Hexachloro-1,3-butadiene	U		0.000411	0.00120	1	03/17/2018 16:24	WG1085895
2-Hexanone	U		0.00165	0.0120	1	03/17/2018 16:24	WG1085895
n-Hexane	U		0.000348	0.0120	1	03/17/2018 16:24	WG1085895
Iodomethane	U		0.00304	0.0120	1	03/17/2018 16:24	WG1085895
Isopropylbenzene	U		0.000292	0.00120	1	03/17/2018 16:24	WG1085895
p-Isopropyltoluene	U		0.000245	0.00120	1	03/17/2018 16:24	WG1085895
2-Butanone (MEK)	U		0.00562	0.0120	1	03/17/2018 16:24	WG1085895
Methylene Chloride	U		0.00120	0.00601	1	03/17/2018 16:24	WG1085895
4-Methyl-2-pentanone (MIBK)	U		0.00226	0.0120	1	03/17/2018 16:24	WG1085895

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000255	0.00120	1	03/17/2018 16:24	WG1085895
Naphthalene	U		0.00120	0.00601	1	03/17/2018 16:24	WG1085895
n-Propylbenzene	U		0.000247	0.00120	1	03/17/2018 16:24	WG1085895
Styrene	U		0.000281	0.00120	1	03/17/2018 16:24	WG1085895
1,1,1,2-Tetrachloroethane	U		0.000317	0.00120	1	03/17/2018 16:24	WG1085895
1,1,2,2-Tetrachloroethane	U		0.000438	0.00120	1	03/17/2018 16:24	WG1085895
1,1,2-Trichlorotrifluoroethane	U		0.000438	0.00120	1	03/17/2018 16:24	WG1085895
Tetrachloroethene	U		0.000331	0.00120	1	03/21/2018 14:12	WG1085895
Toluene	U		0.000521	0.00601	1	03/17/2018 16:24	WG1085895
1,2,3-Trichlorobenzene	U		0.000368	0.00120	1	03/17/2018 16:24	WG1085895
1,2,4-Trichlorobenzene	U		0.000466	0.00120	1	03/17/2018 16:24	WG1085895
1,1,1-Trichloroethane	U		0.000344	0.00120	1	03/17/2018 16:24	WG1085895
1,1,2-Trichloroethane	U		0.000333	0.00120	1	03/17/2018 16:24	WG1085895
Trichloroethene	U		0.000335	0.00120	1	03/17/2018 16:24	WG1085895
Trichlorofluoromethane	U		0.000459	0.00601	1	03/17/2018 16:24	WG1085895
1,2,3-Trichloropropane	U		0.000890	0.00300	1	03/17/2018 16:24	WG1085895
1,2,4-Trimethylbenzene	U		0.000253	0.00120	1	03/17/2018 16:24	WG1085895
1,2,3-Trimethylbenzene	U		0.000345	0.00120	1	03/17/2018 16:24	WG1085895
1,3,5-Trimethylbenzene	U		0.000319	0.00120	1	03/17/2018 16:24	WG1085895
Vinyl acetate	U		0.00287	0.0120	1	03/17/2018 16:24	WG1085895
Vinyl chloride	U		0.000350	0.00120	1	03/17/2018 16:24	WG1085895
Xylenes, Total	U		0.000838	0.00360	1	03/17/2018 16:24	WG1085895
(S) Toluene-d8	*98.1*			*80.0-120*		*03/17/2018 16:24*	WG1085895
(S) Toluene-d8	*103*			*80.0-120*		*03/21/2018 14:12*	WG1085895
(S) Dibromofluoromethane	*112*			*74.0-131*		*03/21/2018 14:12*	WG1085895
(S) Dibromofluoromethane	*109*			*74.0-131*		*03/17/2018 16:24*	WG1085895
(S) 4-Bromofluorobenzene	*92.4*			*64.0-132*		*03/17/2018 16:24*	WG1085895
(S) 4-Bromofluorobenzene	*94.2*			*64.0-132*		*03/21/2018 14:12*	WG1085895

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Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	90.0		1	03/20/2018 10:59	WG1086139

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0111	0.0555	1	03/17/2018 18:03	WG1085895
Acrylonitrile	U		0.00199	0.0111	1	03/17/2018 18:03	WG1085895
Benzene	U		0.000300	0.00111	1	03/17/2018 18:03	WG1085895
Bromobenzene	U		0.000316	0.00111	1	03/17/2018 18:03	WG1085895
Bromodichloromethane	U		0.000282	0.00111	1	03/17/2018 18:03	WG1085895
Bromochloromethane	U		0.000433	0.00555	1	03/17/2018 18:03	WG1085895
Bromoform	U		0.000471	0.00111	1	03/17/2018 18:03	WG1085895
Bromomethane	U		0.00149	0.00555	1	03/17/2018 18:03	WG1085895
n-Butylbenzene	U		0.000287	0.00111	1	03/17/2018 18:03	WG1085895
sec-Butylbenzene	U		0.000223	0.00111	1	03/17/2018 18:03	WG1085895
tert-Butylbenzene	U		0.000229	0.00111	1	03/17/2018 18:03	WG1085895
Carbon disulfide	0.000570	J J	0.000246	0.00111	1	03/17/2018 18:03	WG1085895
Carbon tetrachloride	U		0.000364	0.00111	1	03/17/2018 18:03	WG1085895
Chlorobenzene	U		0.000236	0.00111	1	03/17/2018 18:03	WG1085895
Chlorodibromomethane	U		0.000414	0.00111	1	03/17/2018 18:03	WG1085895
Chloroethane	U		0.00105	0.00555	1	03/17/2018 18:03	WG1085895
Chloroform	U		0.000254	0.00555	1	03/17/2018 18:03	WG1085895
Chloromethane	U		0.000417	0.00278	1	03/17/2018 18:03	WG1085895
2-Chlorotoluene	U		0.000334	0.00111	1	03/17/2018 18:03	WG1085895
4-Chlorotoluene	U		0.000267	0.00111	1	03/17/2018 18:03	WG1085895
1,2-Dibromo-3-Chloropropane	U		0.00117	0.00555	1	03/17/2018 18:03	WG1085895
1,2-Dibromoethane	U		0.000381	0.00111	1	03/17/2018 18:03	WG1085895
Dibromomethane	U		0.000424	0.00111	1	03/17/2018 18:03	WG1085895
1,2-Dichlorobenzene	U		0.000339	0.00111	1	03/17/2018 18:03	WG1085895
1,3-Dichlorobenzene	U		0.000266	0.00111	1	03/17/2018 18:03	WG1085895
1,4-Dichlorobenzene	U		0.000251	0.00111	1	03/17/2018 18:03	WG1085895
Dichlorodifluoromethane	U		0.000792	0.00555	1	03/17/2018 18:03	WG1085895
1,1-Dichloroethane	U		0.000221	0.00111	1	03/17/2018 18:03	WG1085895
1,2-Dichloroethane	U		0.000294	0.00111	1	03/17/2018 18:03	WG1085895
1,1-Dichloroethene	U		0.000337	0.00111	1	03/17/2018 18:03	WG1085895
cis-1,2-Dichloroethene	0.00291		0.000261	0.00111	1	03/17/2018 18:03	WG1085895
trans-1,2-Dichloroethene	U		0.000293	0.00111	1	03/17/2018 18:03	WG1085895
1,2-Dichloropropane	U		0.000398	0.00111	1	03/17/2018 18:03	WG1085895
1,1-Dichloropropene	U		0.000352	0.00111	1	03/17/2018 18:03	WG1085895
1,3-Dichloropropane	U		0.000230	0.00111	1	03/17/2018 18:03	WG1085895
cis-1,3-Dichloropropene	U		0.000291	0.00111	1	03/17/2018 18:03	WG1085895
trans-1,3-Dichloropropene	U		0.000297	0.00111	1	03/17/2018 18:03	WG1085895
trans-1,4-Dichloro-2-butene	U		0.000864	0.00278	1	03/17/2018 18:03	WG1085895
2,2-Dichloropropane	U		0.000310	0.00111	1	03/17/2018 18:03	WG1085895
Di-isopropyl ether	U		0.000276	0.00111	1	03/17/2018 18:03	WG1085895
Ethylbenzene	U		0.000330	0.00111	1	03/17/2018 18:03	WG1085895
Hexachloro-1,3-butadiene	U		0.000380	0.00111	1	03/17/2018 18:03	WG1085895
2-Hexanone	U		0.00152	0.0111	1	03/17/2018 18:03	WG1085895
n-Hexane	U		0.000322	0.0111	1	03/17/2018 18:03	WG1085895
Iodomethane	U		0.00281	0.0111	1	03/17/2018 18:03	WG1085895
Isopropylbenzene	U		0.000270	0.00111	1	03/17/2018 18:03	WG1085895
p-Isopropyltoluene	U		0.000227	0.00111	1	03/17/2018 18:03	WG1085895
2-Butanone (MEK)	U		0.00520	0.0111	1	03/17/2018 18:03	WG1085895
Methylene Chloride	U		0.00111	0.00555	1	03/17/2018 18:03	WG1085895
4-Methyl-2-pentanone (MIBK)	U		0.00209	0.0111	1	03/17/2018 18:03	WG1085895

JC 4/10/18

IW-1C-5

Collected date/time: 03/07/18 11:35

SAMPLE RESULTS - 09

L977245

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000236	0.00111	1	03/17/2018 18:03	WG1085895
Naphthalene	U		0.00111	0.00555	1	03/17/2018 18:03	WG1085895
n-Propylbenzene	U		0.000229	0.00111	1	03/17/2018 18:03	WG1085895
Styrene	U		0.000260	0.00111	1	03/17/2018 18:03	WG1085895
1,1,1,2-Tetrachloroethane	U		0.000293	0.00111	1	03/17/2018 18:03	WG1085895
1,1,2,2-Tetrachloroethane	U		0.000406	0.00111	1	03/17/2018 18:03	WG1085895
1,1,2-Trichlorotrifluoroethane	U		0.000406	0.00111	1	03/17/2018 18:03	WG1085895
Tetrachloroethene	0.0399		0.000307	0.00111	1	03/17/2018 18:03	WG1085895
Toluene	U		0.000482	0.00555	1	03/17/2018 18:03	WG1085895
1,2,3-Trichlorobenzene	U		0.000340	0.00111	1	03/17/2018 18:03	WG1085895
1,2,4-Trichlorobenzene	U		0.000431	0.00111	1	03/17/2018 18:03	WG1085895
1,1,1-Trichloroethane	U		0.000318	0.00111	1	03/17/2018 18:03	WG1085895
1,1,2-Trichloroethane	U		0.000308	0.00111	1	03/17/2018 18:03	WG1085895
Trichloroethene	0.00620		0.000310	0.00111	1	03/17/2018 18:03	WG1085895
Trichlorofluoromethane	U		0.000424	0.00555	1	03/17/2018 18:03	WG1085895
1,2,3-Trichloropropane	U		0.000823	0.00278	1	03/17/2018 18:03	WG1085895
1,2,4-Trimethylbenzene	0.00161		0.000234	0.00111	1	03/17/2018 18:03	WG1085895
1,2,3-Trimethylbenzene	0.000791	J J	0.000319	0.00111	1	03/17/2018 18:03	WG1085895
1,3,5-Trimethylbenzene	0.000513	J J	0.000296	0.00111	1	03/17/2018 18:03	WG1085895
Vinyl acetate	U		0.00266	0.0111	1	03/17/2018 18:03	WG1085895
Vinyl chloride	U		0.000323	0.00111	1	03/17/2018 18:03	WG1085895
Xylenes, Total	U		0.000775	0.00333	1	03/17/2018 18:03	WG1085895
(S) Toluene-d8	*102*			*80.0-120*		*03/17/2018 18:03*	WG1085895
(S) Dibromofluoromethane	*103*			*74.0-131*		*03/17/2018 18:03*	WG1085895
(S) 4-Bromofluorobenzene	*106*			*64.0-132*		*03/17/2018 18:03*	WG1085895

JC 4/10/18

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	85.2		1	03/20/2018 10:59	WG1086139

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0117	0.0587	1	03/17/2018 18:23	WG1085895
Acrylonitrile	U		0.00210	0.0117	1	03/17/2018 18:23	WG1085895
Benzene	U		0.000317	0.00117	1	03/17/2018 18:23	WG1085895
Bromobenzene	U		0.000334	0.00117	1	03/17/2018 18:23	WG1085895
Bromodichloromethane	U		0.000298	0.00117	1	03/17/2018 18:23	WG1085895
Bromochloromethane	U		0.000458	0.00587	1	03/17/2018 18:23	WG1085895
Bromoform	U		0.000498	0.00117	1	03/17/2018 18:23	WG1085895
Bromomethane	U		0.00157	0.00587	1	03/17/2018 18:23	WG1085895
n-Butylbenzene	U		0.000303	0.00117	1	03/17/2018 18:23	WG1085895
sec-Butylbenzene	U		0.000236	0.00117	1	03/17/2018 18:23	WG1085895
tert-Butylbenzene	U		0.000242	0.00117	1	03/17/2018 18:23	WG1085895
Carbon disulfide	U		0.000260	0.00117	1	03/17/2018 18:23	WG1085895
Carbon tetrachloride	U		0.000385	0.00117	1	03/17/2018 18:23	WG1085895
Chlorobenzene	U		0.000249	0.00117	1	03/17/2018 18:23	WG1085895
Chlorodibromomethane	U		0.000438	0.00117	1	03/17/2018 18:23	WG1085895
Chloroethane	U		0.00111	0.00587	1	03/17/2018 18:23	WG1085895
Chloroform	U		0.000269	0.00587	1	03/17/2018 18:23	WG1085895
Chloromethane	U		0.000440	0.00294	1	03/17/2018 18:23	WG1085895
2-Chlorotoluene	U		0.000353	0.00117	1	03/17/2018 18:23	WG1085895
4-Chlorotoluene	U		0.000282	0.00117	1	03/17/2018 18:23	WG1085895
1,2-Dibromo-3-Chloropropane	U		0.00123	0.00587	1	03/17/2018 18:23	WG1085895
1,2-Dibromoethane	U		0.000403	0.00117	1	03/17/2018 18:23	WG1085895
Dibromomethane	U		0.000449	0.00117	1	03/17/2018 18:23	WG1085895
1,2-Dichlorobenzene	U		0.000358	0.00117	1	03/17/2018 18:23	WG1085895
1,3-Dichlorobenzene	U		0.000281	0.00117	1	03/17/2018 18:23	WG1085895
1,4-Dichlorobenzene	U		0.000265	0.00117	1	03/17/2018 18:23	WG1085895
Dichlorodifluoromethane	U		0.000837	0.00587	1	03/17/2018 18:23	WG1085895
1,1-Dichloroethane	U		0.000234	0.00117	1	03/17/2018 18:23	WG1085895
1,2-Dichloroethane	U		0.000311	0.00117	1	03/17/2018 18:23	WG1085895
1,1-Dichloroethene	U		0.000356	0.00117	1	03/17/2018 18:23	WG1085895
cis-1,2-Dichloroethene	0.00154		0.000276	0.00117	1	03/17/2018 18:23	WG1085895
trans-1,2-Dichloroethene	U		0.000310	0.00117	1	03/17/2018 18:23	WG1085895
1,2-Dichloropropane	U		0.000420	0.00117	1	03/17/2018 18:23	WG1085895
1,1-Dichloropropene	U		0.000372	0.00117	1	03/17/2018 18:23	WG1085895
1,3-Dichloropropane	U		0.000243	0.00117	1	03/17/2018 18:23	WG1085895
cis-1,3-Dichloropropene	U		0.000308	0.00117	1	03/17/2018 18:23	WG1085895
trans-1,3-Dichloropropene	U		0.000314	0.00117	1	03/17/2018 18:23	WG1085895
trans-1,4-Dichloro-2-butene	U		0.000914	0.00294	1	03/17/2018 18:23	WG1085895
2,2-Dichloropropane	U		0.000328	0.00117	1	03/17/2018 18:23	WG1085895
Di-isopropyl ether	U		0.000291	0.00117	1	03/17/2018 18:23	WG1085895
Ethylbenzene	U		0.000349	0.00117	1	03/17/2018 18:23	WG1085895
Hexachloro-1,3-butadiene	U		0.000402	0.00117	1	03/17/2018 18:23	WG1085895
2-Hexanone	U		0.00161	0.0117	1	03/17/2018 18:23	WG1085895
n-Hexane	0.000851	J J	0.000341	0.0117	1	03/17/2018 18:23	WG1085895
Iodomethane	U		0.00297	0.0117	1	03/17/2018 18:23	WG1085895
Isopropylbenzene	U		0.000285	0.00117	1	03/17/2018 18:23	WG1085895
p-Isopropyltoluene	U		0.000240	0.00117	1	03/17/2018 18:23	WG1085895
2-Butanone (MEK)	U		0.00550	0.0117	1	03/17/2018 18:23	WG1085895
Methylene Chloride	U		0.00117	0.00587	1	03/17/2018 18:23	WG1085895
4-Methyl-2-pentanone (MIBK)	U		0.00221	0.0117	1	03/17/2018 18:23	WG1085895

JC 4/10/18

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000249	0.00117	1	03/17/2018 18:23	WG1085895
Naphthalene	U		0.00117	0.00587	1	03/17/2018 18:23	WG1085895
n-Propylbenzene	U		0.000242	0.00117	1	03/17/2018 18:23	WG1085895
Styrene	U		0.000275	0.00117	1	03/17/2018 18:23	WG1085895
1,1,1,2-Tetrachloroethane	U		0.000310	0.00117	1	03/17/2018 18:23	WG1085895
1,1,2,2-Tetrachloroethane	U		0.000429	0.00117	1	03/17/2018 18:23	WG1085895
1,1,2-Trichlorotrifluoroethane	U		0.000429	0.00117	1	03/17/2018 18:23	WG1085895
Tetrachloroethene	0.00145		0.000324	0.00117	1	03/17/2018 18:23	WG1085895
Toluene	U		0.000510	0.00587	1	03/17/2018 18:23	WG1085895
1,2,3-Trichlorobenzene	U		0.000359	0.00117	1	03/17/2018 18:23	WG1085895
1,2,4-Trichlorobenzene	U		0.000456	0.00117	1	03/17/2018 18:23	WG1085895
1,1,1-Trichloroethane	U		0.000336	0.00117	1	03/17/2018 18:23	WG1085895
1,1,2-Trichloroethane	U		0.000325	0.00117	1	03/17/2018 18:23	WG1085895
Trichloroethene	0.000516	J J	0.000328	0.00117	1	03/17/2018 18:23	WG1085895
Trichlorofluoromethane	U		0.000449	0.00587	1	03/17/2018 18:23	WG1085895
1,2,3-Trichloropropane	U		0.000870	0.00294	1	03/17/2018 18:23	WG1085895
1,2,4-Trimethylbenzene	U		0.000248	0.00117	1	03/17/2018 18:23	WG1085895
1,2,3-Trimethylbenzene	U		0.000337	0.00117	1	03/17/2018 18:23	WG1085895
1,3,5-Trimethylbenzene	U		0.000312	0.00117	1	03/17/2018 18:23	WG1085895
Vinyl acetate	U		0.00281	0.0117	1	03/17/2018 18:23	WG1085895
Vinyl chloride	0.000790	J J	0.000342	0.00117	1	03/17/2018 18:23	WG1085895
Xylenes, Total	U		0.000820	0.00352	1	03/17/2018 18:23	WG1085895
(S) Toluene-d8	*101*			*80.0-120*		*03/17/2018 18:23*	WG1085895
(S) Dibromofluoromethane	*104*			*74.0-131*		*03/17/2018 18:23*	WG1085895
(S) 4-Bromofluorobenzene	*91.2*			*64.0-132*		*03/17/2018 18:23*	WG1085895

JC 4/10/18

IW-1C-25
Collected date/time: 03/07/18 12:12

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	84.2		1	03/20/2018 10:59	WG1086139

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch	
Acetone	U		2.38	11.9	200	03/17/2018 20:59	WG1085895	
Acrylonitrile	U		0.425	2.38	200	03/17/2018 20:59	WG1085895	
Benzene	U		0.0641	0.238	200	03/17/2018 20:59	WG1085895	
Bromobenzene	U		0.0675	0.238	200	03/17/2018 20:59	WG1085895	
Bromodichloromethane	U		0.0603	0.238	200	03/17/2018 20:59	WG1085895	
Bromochloromethane	U		0.0926	1.19	200	03/17/2018 20:59	WG1085895	
Bromoform	U		0.101	0.238	200	03/17/2018 20:59	WG1085895	
Bromomethane	U		0.318	1.19	200	03/17/2018 20:59	WG1085895	
n-Butylbenzene	U		0.0613	0.238	200	03/17/2018 20:59	WG1085895	
sec-Butylbenzene	U		0.0477	0.238	200	03/17/2018 20:59	WG1085895	
tert-Butylbenzene	U		0.0489	0.238	200	03/17/2018 20:59	WG1085895	
Carbon disulfide	U		0.0525	0.238	200	03/17/2018 20:59	WG1085895	
Carbon tetrachloride	U		0.0779	0.238	200	03/17/2018 20:59	WG1085895	
Chlorobenzene	U		0.0504	0.238	200	03/17/2018 20:59	WG1085895	
Chlorodibromomethane	U		0.0886	0.238	200	03/17/2018 20:59	WG1085895	
Chloroethane	U		0.224	1.19	200	03/17/2018 20:59	WG1085895	
Chloroform	U		0.0544	1.19	200	03/17/2018 20:59	WG1085895	
Chloromethane	U		0.0891	0.594	200	03/17/2018 20:59	WG1085895	
2-Chlorotoluene	U		0.0715	0.238	200	03/17/2018 20:59	WG1085895	
4-Chlorotoluene	U		0.0570	0.238	200	03/17/2018 20:59	WG1085895	
1,2-Dibromo-3-Chloropropane	U		0.249	1.19	200	03/17/2018 20:59	WG1085895	
1,2-Dibromoethane	U		0.0815	0.238	200	03/17/2018 20:59	WG1085895	
Dibromomethane	U		0.0907	0.238	200	03/17/2018 20:59	WG1085895	
1,2-Dichlorobenzene	U		0.0724	0.238	200	03/17/2018 20:59	WG1085895	
1,3-Dichlorobenzene	U		0.0568	0.238	200	03/17/2018 20:59	WG1085895	
1,4-Dichlorobenzene	U		0.0537	0.238	200	03/17/2018 20:59	WG1085895	
Dichlorodifluoromethane	U		0.170	1.19	200	03/17/2018 20:59	WG1085895	
1,1-Dichloroethane	U		0.0473	0.238	200	03/17/2018 20:59	WG1085895	
1,2-Dichloroethane	U		0.0629	0.238	200	03/17/2018 20:59	WG1085895	
1,1-Dichloroethene	U		0.0720	0.238	200	03/17/2018 20:59	WG1085895	
cis-1,2-Dichloroethene	0.769		0.0558	0.238	200	03/17/2018 20:59	WG1085895	
trans-1,2-Dichloroethene	U		0.0627	0.238	200	03/17/2018 20:59	WG1085895	
1,2-Dichloropropane	U		0.0850	0.238	200	03/17/2018 20:59	WG1085895	
1,1-Dichloropropene	U		0.0753	0.238	200	03/17/2018 20:59	WG1085895	
1,3-Dichloropropane	U		0.0492	0.238	200	03/17/2018 20:59	WG1085895	
cis-1,3-Dichloropropene	U		0.0622	0.238	200	03/17/2018 20:59	WG1085895	
trans-1,3-Dichloropropene	U		0.0634	0.238	200	03/17/2018 20:59	WG1085895	
trans-1,4-Dichloro-2-butene	U		0.185	0.594	200	03/17/2018 20:59	WG1085895	
2,2-Dichloropropane	U		0.0663	0.238	200	03/17/2018 20:59	WG1085895	
Di-isopropyl ether	U		0.0589	0.238	200	03/17/2018 20:59	WG1085895	
Ethylbenzene	U		0.0705	0.238	200	03/17/2018 20:59	WG1085895	
Hexachloro-1,3-butadiene	U		0.0812	0.238	200	03/17/2018 20:59	WG1085895	
2-Hexanone	U		0.325	2.38	200	03/17/2018 20:59	WG1085895	
n-Hexane	U		0.0689	2.38	200	03/17/2018 20:59	WG1085895	
Iodomethane	U		0.601	2.38	200	03/17/2018 20:59	WG1085895	
Isopropylbenzene	U		0.0577	0.238	200	03/17/2018 20:59	WG1085895	
p-Isopropyltoluene	U		0.0485	0.238	200	03/17/2018 20:59	WG1085895	
2-Butanone (MEK)	U		1.11	2.38	200	03/17/2018 20:59	WG1085895	
Methylene Chloride	U		0.238	1.19	200	03/17/2018 20:59	WG1085895	JC 4/10/18
4-Methyl-2-pentanone (MIBK)	U		0.447	2.38	200	03/17/2018 20:59	WG1085895	

Volatile Organic Compounds (GC/MS) by Method 8260C

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg		date / time	
Methyl tert-butyl ether	0.554	J0 J	0.0504	0.238	200	03/17/2018 20:59	WG1085895
Naphthalene	U		0.238	1.19	200	03/17/2018 20:59	WG1085895
n-Propylbenzene	U		0.0489	0.238	200	03/17/2018 20:59	WG1085895
Styrene	U		0.0556	0.238	200	03/17/2018 20:59	WG1085895
1,1,1,2-Tetrachloroethane	U		0.0627	0.238	200	03/17/2018 20:59	WG1085895
1,1,2,2-Tetrachloroethane	U		0.0867	0.238	200	03/17/2018 20:59	WG1085895
1,1,2-Trichlorotrifluoroethane	U		0.0867	0.238	200	03/17/2018 20:59	WG1085895
Tetrachloroethene	11.1		0.0656	0.238	200	03/17/2018 20:59	WG1085895
Toluene	U		0.103	1.19	200	03/17/2018 20:59	WG1085895
1,2,3-Trichlorobenzene	U		0.0727	0.238	200	03/17/2018 20:59	WG1085895
1,2,4-Trichlorobenzene	U		0.0922	0.238	200	03/17/2018 20:59	WG1085895
1,1,1-Trichloroethane	U		0.0679	0.238	200	03/17/2018 20:59	WG1085895
1,1,2-Trichloroethane	U		0.0658	0.238	200	03/17/2018 20:59	WG1085895
Trichloroethene	0.845		0.0663	0.238	200	03/17/2018 20:59	WG1085895
Trichlorofluoromethane	U		0.0907	1.19	200	03/17/2018 20:59	WG1085895
1,2,3-Trichloropropane	U		0.176	0.594	200	03/17/2018 20:59	WG1085895
1,2,4-Trimethylbenzene	U		0.0501	0.238	200	03/17/2018 20:59	WG1085895
1,2,3-Trimethylbenzene	U		0.0682	0.238	200	03/17/2018 20:59	WG1085895
1,3,5-Trimethylbenzene	U		0.0632	0.238	200	03/17/2018 20:59	WG1085895
Vinyl acetate	U		0.568	2.38	200	03/17/2018 20:59	WG1085895
Vinyl chloride	U		0.0691	0.238	200	03/17/2018 20:59	WG1085895
Xylenes, Total	U		0.166	0.713	200	03/17/2018 20:59	WG1085895
(S) Toluene-d8	*109*			*80.0-120*		*03/17/2018 20:59*	WG1085895
(S) Dibromofluoromethane	*101*			*74.0-131*		*03/17/2018 20:59*	WG1085895
(S) 4-Bromofluorobenzene	*89.7*			*64.0-132*		*03/17/2018 20:59*	WG1085895

Sample Narrative:

L977245-11 WG1085895: Cannot be analyzed at a lower dilution due to high levels of target analytes.

JC 4/10/18

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	93.2		1	03/20/2018 10:59	WG1086139

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0107	0.0536	1	03/17/2018 18:42	WG1085895
Acrylonitrile	U		0.00192	0.0107	1	03/17/2018 18:42	WG1085895
Benzene	U		0.000290	0.00107	1	03/17/2018 18:42	WG1085895
Bromobenzene	U		0.000305	0.00107	1	03/17/2018 18:42	WG1085895
Bromodichloromethane	U		0.000272	0.00107	1	03/17/2018 18:42	WG1085895
Bromochloromethane	U		0.000418	0.00536	1	03/17/2018 18:42	WG1085895
Bromoform	U		0.000455	0.00107	1	03/17/2018 18:42	WG1085895
Bromomethane	U		0.00144	0.00536	1	03/17/2018 18:42	WG1085895
n-Butylbenzene	U		0.000277	0.00107	1	03/17/2018 18:42	WG1085895
sec-Butylbenzene	U		0.000216	0.00107	1	03/17/2018 18:42	WG1085895
tert-Butylbenzene	U		0.000221	0.00107	1	03/17/2018 18:42	WG1085895
Carbon disulfide	U		0.000237	0.00107	1	03/17/2018 18:42	WG1085895
Carbon tetrachloride	U		0.000352	0.00107	1	03/17/2018 18:42	WG1085895
Chlorobenzene	U		0.000227	0.00107	1	03/17/2018 18:42	WG1085895
Chlorodibromomethane	U		0.000400	0.00107	1	03/17/2018 18:42	WG1085895
Chloroethane	0.00270	J J	0.00101	0.00536	1	03/17/2018 18:42	WG1085895
Chloroform	U		0.000246	0.00536	1	03/17/2018 18:42	WG1085895
Chloromethane	U		0.000402	0.00268	1	03/17/2018 18:42	WG1085895
2-Chlorotoluene	U		0.000323	0.00107	1	03/17/2018 18:42	WG1085895
4-Chlorotoluene	U		0.000257	0.00107	1	03/17/2018 18:42	WG1085895
1,2-Dibromo-3-Chloropropane	U		0.00113	0.00536	1	03/17/2018 18:42	WG1085895
1,2-Dibromoethane	U		0.000368	0.00107	1	03/17/2018 18:42	WG1085895
Dibromomethane	U		0.000410	0.00107	1	03/17/2018 18:42	WG1085895
1,2-Dichlorobenzene	U		0.000327	0.00107	1	03/17/2018 18:42	WG1085895
1,3-Dichlorobenzene	U		0.000256	0.00107	1	03/17/2018 18:42	WG1085895
1,4-Dichlorobenzene	U		0.000242	0.00107	1	03/17/2018 18:42	WG1085895
Dichlorodifluoromethane	U		0.000765	0.00536	1	03/17/2018 18:42	WG1085895
1,1-Dichloroethane	U		0.000213	0.00107	1	03/17/2018 18:42	WG1085895
1,2-Dichloroethane	U		0.000284	0.00107	1	03/17/2018 18:42	WG1085895
1,1-Dichloroethene	0.00552		0.000325	0.00107	1	03/17/2018 18:42	WG1085895
cis-1,2-Dichloroethene	0.404		0.0504	0.215	200	03/21/2018 15:36	WG1085895
trans-1,2-Dichloroethene	0.00339		0.000283	0.00107	1	03/17/2018 18:42	WG1085895
1,2-Dichloropropane	U		0.000384	0.00107	1	03/17/2018 18:42	WG1085895
1,1-Dichloropropene	U		0.000340	0.00107	1	03/17/2018 18:42	WG1085895
1,3-Dichloropropane	U		0.000222	0.00107	1	03/17/2018 18:42	WG1085895
cis-1,3-Dichloropropene	U		0.000281	0.00107	1	03/17/2018 18:42	WG1085895
trans-1,3-Dichloropropene	U		0.000286	0.00107	1	03/17/2018 18:42	WG1085895
trans-1,4-Dichloro-2-butene	U		0.000834	0.00268	1	03/17/2018 18:42	WG1085895
2,2-Dichloropropane	U		0.000299	0.00107	1	03/17/2018 18:42	WG1085895
Di-isopropyl ether	U		0.000266	0.00107	1	03/17/2018 18:42	WG1085895
Ethylbenzene	U		0.000319	0.00107	1	03/17/2018 18:42	WG1085895
Hexachloro-1,3-butadiene	U		0.000367	0.00107	1	03/17/2018 18:42	WG1085895
2-Hexanone	U		0.00147	0.0107	1	03/17/2018 18:42	WG1085895
n-Hexane	U		0.000311	0.0107	1	03/17/2018 18:42	WG1085895
Iodomethane	U		0.00271	0.0107	1	03/17/2018 18:42	WG1085895
Isopropylbenzene	U		0.000261	0.00107	1	03/17/2018 18:42	WG1085895
p-Isopropyltoluene	U		0.000219	0.00107	1	03/17/2018 18:42	WG1085895
2-Butanone (MEK)	U		0.00502	0.0107	1	03/17/2018 18:42	WG1085895
Methylene Chloride	U		0.00107	0.00536	1	03/17/2018 18:42	WG1085895
4-Methyl-2-pentanone (MIBK)	U		0.00202	0.0107	1	03/17/2018 18:42	WG1085895

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000227	0.00107	1	03/17/2018 18:42	WG1085895
Naphthalene	U		0.00107	0.00536	1	03/17/2018 18:42	WG1085895
n-Propylbenzene	U		0.000221	0.00107	1	03/17/2018 18:42	WG1085895
Styrene	U		0.000251	0.00107	1	03/17/2018 18:42	WG1085895
1,1,1,2-Tetrachloroethane	U		0.000283	0.00107	1	03/17/2018 18:42	WG1085895
1,1,2,2-Tetrachloroethane	U		0.000391	0.00107	1	03/17/2018 18:42	WG1085895
1,1,2-Trichlorotrifluoroethane	U		0.000391	0.00107	1	03/17/2018 18:42	WG1085895
Tetrachloroethene	2.66		0.0592	0.215	200	03/21/2018 15:36	WG1085895
Toluene	U		0.000465	0.00536	1	03/17/2018 18:42	WG1085895
1,2,3-Trichlorobenzene	U		0.000328	0.00107	1	03/17/2018 18:42	WG1085895
1,2,4-Trichlorobenzene	U		0.000416	0.00107	1	03/17/2018 18:42	WG1085895
1,1,1-Trichloroethane	U		0.000307	0.00107	1	03/17/2018 18:42	WG1085895
1,1,2-Trichloroethane	U		0.000297	0.00107	1	03/17/2018 18:42	WG1085895
Trichloroethene	0.286		0.0598	0.215	200	03/21/2018 15:36	WG1085895
Trichlorofluoromethane	U		0.000410	0.00536	1	03/17/2018 18:42	WG1085895
1,2,3-Trichloropropane	U		0.000795	0.00268	1	03/17/2018 18:42	WG1085895
1,2,4-Trimethylbenzene	U		0.000226	0.00107	1	03/17/2018 18:42	WG1085895
1,2,3-Trimethylbenzene	U		0.000308	0.00107	1	03/17/2018 18:42	WG1085895
1,3,5-Trimethylbenzene	U		0.000285	0.00107	1	03/17/2018 18:42	WG1085895
Vinyl acetate	U		0.00256	0.0107	1	03/17/2018 18:42	WG1085895
Vinyl chloride	0.0511		0.000312	0.00107	1	03/17/2018 18:42	WG1085895
Xylenes, Total	U		0.000749	0.00322	1	03/17/2018 18:42	WG1085895
(S) Toluene-d8	*94.0*			*80.0-120*		*03/17/2018 18:42*	WG1085895
(S) Toluene-d8	*112*			*80.0-120*		*03/21/2018 15:36*	WG1085895
(S) Dibromofluoromethane	*103*			*74.0-131*		*03/21/2018 15:36*	WG1085895
(S) Dibromofluoromethane	*103*			*74.0-131*		*03/17/2018 18:42*	WG1085895
(S) 4-Bromofluorobenzene	*90.0*			*64.0-132*		*03/17/2018 18:42*	WG1085895
(S) 4-Bromofluorobenzene	*96.8*			*64.0-132*		*03/21/2018 15:36*	WG1085895

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Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	89.3		1	03/20/2018 10:59	WG1086139

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0112	0.0560	1	03/17/2018 19:02	WG1085895
Acrylonitrile	U		0.00200	0.0112	1	03/17/2018 19:02	WG1085895
Benzene	U		0.000302	0.00112	1	03/17/2018 19:02	WG1085895
Bromobenzene	U		0.000318	0.00112	1	03/17/2018 19:02	WG1085895
Bromodichloromethane	U		0.000284	0.00112	1	03/17/2018 19:02	WG1085895
Bromochloromethane	U		0.000437	0.00560	1	03/17/2018 19:02	WG1085895
Bromoform	U		0.000475	0.00112	1	03/17/2018 19:02	WG1085895
Bromomethane	U		0.00150	0.00560	1	03/17/2018 19:02	WG1085895
n-Butylbenzene	U		0.000289	0.00112	1	03/17/2018 19:02	WG1085895
sec-Butylbenzene	U		0.000225	0.00112	1	03/17/2018 19:02	WG1085895
tert-Butylbenzene	U		0.000231	0.00112	1	03/17/2018 19:02	WG1085895
Carbon disulfide	0.00124		0.000247	0.00112	1	03/17/2018 19:02	WG1085895
Carbon tetrachloride	U		0.000367	0.00112	1	03/17/2018 19:02	WG1085895
Chlorobenzene	U		0.000237	0.00112	1	03/17/2018 19:02	WG1085895
Chlorodibromomethane	U		0.000418	0.00112	1	03/17/2018 19:02	WG1085895
Chloroethane	U		0.00106	0.00560	1	03/17/2018 19:02	WG1085895
Chloroform	0.000576	J J	0.000256	0.00560	1	03/17/2018 19:02	WG1085895
Chloromethane	U		0.000420	0.00280	1	03/17/2018 19:02	WG1085895
2-Chlorotoluene	U		0.000337	0.00112	1	03/17/2018 19:02	WG1085895
4-Chlorotoluene	U		0.000269	0.00112	1	03/17/2018 19:02	WG1085895
1,2-Dibromo-3-Chloropropane	U		0.00118	0.00560	1	03/17/2018 19:02	WG1085895
1,2-Dibromoethane	U		0.000384	0.00112	1	03/17/2018 19:02	WG1085895
Dibromomethane	U		0.000428	0.00112	1	03/17/2018 19:02	WG1085895
1,2-Dichlorobenzene	U		0.000341	0.00112	1	03/17/2018 19:02	WG1085895
1,3-Dichlorobenzene	U		0.000268	0.00112	1	03/17/2018 19:02	WG1085895
1,4-Dichlorobenzene	U		0.000253	0.00112	1	03/17/2018 19:02	WG1085895
Dichlorodifluoromethane	U		0.000798	0.00560	1	03/17/2018 19:02	WG1085895
1,1-Dichloroethane	U		0.000223	0.00112	1	03/17/2018 19:02	WG1085895
1,2-Dichloroethane	U		0.000297	0.00112	1	03/17/2018 19:02	WG1085895
1,1-Dichloroethene	0.000891	J J	0.000339	0.00112	1	03/17/2018 19:02	WG1085895
cis-1,2-Dichloroethene	0.153		0.000263	0.00112	1	03/17/2018 19:02	WG1085895
trans-1,2-Dichloroethene	0.00107	J J	0.000296	0.00112	1	03/17/2018 19:02	WG1085895
1,2-Dichloropropane	U		0.000401	0.00112	1	03/17/2018 19:02	WG1085895
1,1-Dichloropropene	U		0.000355	0.00112	1	03/17/2018 19:02	WG1085895
1,3-Dichloropropane	U		0.000232	0.00112	1	03/17/2018 19:02	WG1085895
cis-1,3-Dichloropropene	U		0.000293	0.00112	1	03/17/2018 19:02	WG1085895
trans-1,3-Dichloropropene	U		0.000299	0.00112	1	03/17/2018 19:02	WG1085895
trans-1,4-Dichloro-2-butene	U		0.000871	0.00280	1	03/17/2018 19:02	WG1085895
2,2-Dichloropropane	U		0.000312	0.00112	1	03/17/2018 19:02	WG1085895
Di-isopropyl ether	U		0.000278	0.00112	1	03/17/2018 19:02	WG1085895
Ethylbenzene	U		0.000332	0.00112	1	03/17/2018 19:02	WG1085895
Hexachloro-1,3-butadiene	U		0.000383	0.00112	1	03/17/2018 19:02	WG1085895
2-Hexanone	U		0.00153	0.0112	1	03/17/2018 19:02	WG1085895
n-Hexane	0.00151	J J	0.000325	0.0112	1	03/17/2018 19:02	WG1085895
Iodomethane	U		0.00283	0.0112	1	03/17/2018 19:02	WG1085895
Isopropylbenzene	U		0.000272	0.00112	1	03/17/2018 19:02	WG1085895
p-Isopropyltoluene	U		0.000228	0.00112	1	03/17/2018 19:02	WG1085895
2-Butanone (MEK)	U		0.00524	0.0112	1	03/17/2018 19:02	WG1085895
Methylene Chloride	U		0.00112	0.00560	1	03/17/2018 19:02	WG1085895
4-Methyl-2-pentanone (MIBK)	U		0.00210	0.0112	1	03/17/2018 19:02	WG1085895

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000237	0.00112	1	03/17/2018 19:02	WG1085895
Naphthalene	U		0.00112	0.00560	1	03/17/2018 19:02	WG1085895
n-Propylbenzene	U		0.000231	0.00112	1	03/17/2018 19:02	WG1085895
Styrene	U		0.000262	0.00112	1	03/17/2018 19:02	WG1085895
1,1,1,2-Tetrachloroethane	U		0.000296	0.00112	1	03/17/2018 19:02	WG1085895
1,1,2,2-Tetrachloroethane	U		0.000409	0.00112	1	03/17/2018 19:02	WG1085895
1,1,2-Trichlorotrifluoroethane	U		0.000409	0.00112	1	03/17/2018 19:02	WG1085895
Tetrachloroethene	3.09		0.0171	0.0621	55.5	03/21/2018 15:58	WG1085895
Toluene	0.000626	J J	0.000486	0.00560	1	03/17/2018 19:02	WG1085895
1,2,3-Trichlorobenzene	U		0.000343	0.00112	1	03/17/2018 19:02	WG1085895
1,2,4-Trichlorobenzene	U		0.000434	0.00112	1	03/17/2018 19:02	WG1085895
1,1,1-Trichloroethane	U		0.000320	0.00112	1	03/17/2018 19:02	WG1085895
1,1,2-Trichloroethane	U		0.000310	0.00112	1	03/17/2018 19:02	WG1085895
Trichloroethene	0.0782		0.000312	0.00112	1	03/17/2018 19:02	WG1085895
Trichlorofluoromethane	U		0.000428	0.00560	1	03/17/2018 19:02	WG1085895
1,2,3-Trichloropropane	U		0.000829	0.00280	1	03/17/2018 19:02	WG1085895
1,2,4-Trimethylbenzene	U		0.000236	0.00112	1	03/17/2018 19:02	WG1085895
1,2,3-Trimethylbenzene	U		0.000321	0.00112	1	03/17/2018 19:02	WG1085895
1,3,5-Trimethylbenzene	U		0.000298	0.00112	1	03/17/2018 19:02	WG1085895
Vinyl acetate	U		0.00268	0.0112	1	03/17/2018 19:02	WG1085895
Vinyl chloride	0.0238		0.000326	0.00112	1	03/17/2018 19:02	WG1085895
Xylenes, Total	U		0.000781	0.00336	1	03/17/2018 19:02	WG1085895
(S) Toluene-d8	*96.5*			*80.0-120*		*03/17/2018 19:02*	WG1085895
(S) Toluene-d8	*116*			*80.0-120*		*03/21/2018 15:58*	WG1085895
(S) Dibromofluoromethane	*104*			*74.0-131*		*03/17/2018 19:02*	WG1085895
(S) Dibromofluoromethane	*98.3*			*74.0-131*		*03/21/2018 15:58*	WG1085895
(S) 4-Bromofluorobenzene	*89.8*			*64.0-132*		*03/17/2018 19:02*	WG1085895
(S) 4-Bromofluorobenzene	*96.3*			*64.0-132*		*03/21/2018 15:58*	WG1085895

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Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	89.3		1	03/20/2018 10:59	WG1086139

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0112	0.0560	1	03/17/2018 19:22	WG1085895
Acrylonitrile	U		0.00200	0.0112	1	03/17/2018 19:22	WG1085895
Benzene	U		0.000302	0.00112	1	03/17/2018 19:22	WG1085895
Bromobenzene	U		0.000318	0.00112	1	03/17/2018 19:22	WG1085895
Bromodichloromethane	U		0.000284	0.00112	1	03/17/2018 19:22	WG1085895
Bromochloromethane	U		0.000437	0.00560	1	03/17/2018 19:22	WG1085895
Bromoform	U		0.000475	0.00112	1	03/17/2018 19:22	WG1085895
Bromomethane	U		0.00150	0.00560	1	03/17/2018 19:22	WG1085895
n-Butylbenzene	U		0.000289	0.00112	1	03/17/2018 19:22	WG1085895
sec-Butylbenzene	U		0.000225	0.00112	1	03/17/2018 19:22	WG1085895
tert-Butylbenzene	U		0.000231	0.00112	1	03/17/2018 19:22	WG1085895
Carbon disulfide	0.000567	J J	0.000247	0.00112	1	03/17/2018 19:22	WG1085895
Carbon tetrachloride	U		0.000367	0.00112	1	03/17/2018 19:22	WG1085895
Chlorobenzene	U		0.000237	0.00112	1	03/17/2018 19:22	WG1085895
Chlorodibromomethane	U		0.000418	0.00112	1	03/17/2018 19:22	WG1085895
Chloroethane	U		0.00106	0.00560	1	03/17/2018 19:22	WG1085895
Chloroform	U		0.000256	0.00560	1	03/17/2018 19:22	WG1085895
Chloromethane	U		0.000420	0.00280	1	03/17/2018 19:22	WG1085895
2-Chlorotoluene	U		0.000337	0.00112	1	03/17/2018 19:22	WG1085895
4-Chlorotoluene	U		0.000269	0.00112	1	03/17/2018 19:22	WG1085895
1,2-Dibromo-3-Chloropropane	U		0.00118	0.00560	1	03/17/2018 19:22	WG1085895
1,2-Dibromoethane	U		0.000384	0.00112	1	03/17/2018 19:22	WG1085895
Dibromomethane	U		0.000428	0.00112	1	03/17/2018 19:22	WG1085895
1,2-Dichlorobenzene	U		0.000342	0.00112	1	03/17/2018 19:22	WG1085895
1,3-Dichlorobenzene	U		0.000268	0.00112	1	03/17/2018 19:22	WG1085895
1,4-Dichlorobenzene	U		0.000253	0.00112	1	03/17/2018 19:22	WG1085895
Dichlorodifluoromethane	U		0.000798	0.00560	1	03/17/2018 19:22	WG1085895
1,1-Dichloroethane	U		0.000223	0.00112	1	03/17/2018 19:22	WG1085895
1,2-Dichloroethane	U		0.000297	0.00112	1	03/17/2018 19:22	WG1085895
1,1-Dichloroethene	0.00116		0.000339	0.00112	1	03/17/2018 19:22	WG1085895
cis-1,2-Dichloroethene	0.324		0.00658	0.0280	25	03/21/2018 14:06	WG1085895
trans-1,2-Dichloroethene	0.000342	J J	0.000296	0.00112	1	03/17/2018 19:22	WG1085895
1,2-Dichloropropane	U		0.000401	0.00112	1	03/17/2018 19:22	WG1085895
1,1-Dichloropropene	U		0.000355	0.00112	1	03/17/2018 19:22	WG1085895
1,3-Dichloropropane	U		0.000232	0.00112	1	03/17/2018 19:22	WG1085895
cis-1,3-Dichloropropene	U		0.000293	0.00112	1	03/17/2018 19:22	WG1085895
trans-1,3-Dichloropropene	U		0.000299	0.00112	1	03/17/2018 19:22	WG1085895
trans-1,4-Dichloro-2-butene	U		0.000871	0.00280	1	03/17/2018 19:22	WG1085895
2,2-Dichloropropane	U		0.000312	0.00112	1	03/17/2018 19:22	WG1085895
Di-isopropyl ether	U		0.000278	0.00112	1	03/17/2018 19:22	WG1085895
Ethylbenzene	U		0.000333	0.00112	1	03/17/2018 19:22	WG1085895
Hexachloro-1,3-butadiene	U		0.000383	0.00112	1	03/17/2018 19:22	WG1085895
2-Hexanone	U		0.00153	0.0112	1	03/17/2018 19:22	WG1085895
n-Hexane	U		0.000325	0.0112	1	03/17/2018 19:22	WG1085895
Iodomethane	U		0.00283	0.0112	1	03/17/2018 19:22	WG1085895
Isopropylbenzene	U		0.000272	0.00112	1	03/17/2018 19:22	WG1085895
p-Isopropyltoluene	U		0.000228	0.00112	1	03/17/2018 19:22	WG1085895
2-Butanone (MEK)	U		0.00524	0.0112	1	03/17/2018 19:22	WG1085895
Methylene Chloride	U		0.00112	0.00560	1	03/17/2018 19:22	WG1085895
4-Methyl-2-pentanone (MIBK)	U		0.00211	0.0112	1	03/17/2018 19:22	WG1085895

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000237	0.00112	1	03/17/2018 19:22	WG1085895
Naphthalene	U		0.00112	0.00560	1	03/17/2018 19:22	WG1085895
n-Propylbenzene	U		0.000231	0.00112	1	03/17/2018 19:22	WG1085895
Styrene	U		0.000262	0.00112	1	03/17/2018 19:22	WG1085895
1,1,1,2-Tetrachloroethane	U		0.000296	0.00112	1	03/17/2018 19:22	WG1085895
1,1,2,2-Tetrachloroethane	U		0.000409	0.00112	1	03/17/2018 19:22	WG1085895
1,1,2-Trichlorotrifluoroethane	U		0.000409	0.00112	1	03/17/2018 19:22	WG1085895
Tetrachloroethene	1.30		0.00773	0.0280	25	03/21/2018 14:06	WG1085895
Toluene	U		0.000486	0.00560	1	03/17/2018 19:22	WG1085895
1,2,3-Trichlorobenzene	U		0.000343	0.00112	1	03/17/2018 19:22	WG1085895
1,2,4-Trichlorobenzene	U		0.000435	0.00112	1	03/17/2018 19:22	WG1085895
1,1,1-Trichloroethane	U		0.000320	0.00112	1	03/17/2018 19:22	WG1085895
1,1,2-Trichloroethane	U		0.000310	0.00112	1	03/17/2018 19:22	WG1085895
Trichloroethene	0.00519		0.000312	0.00112	1	03/17/2018 19:22	WG1085895
Trichlorofluoromethane	U		0.000428	0.00560	1	03/17/2018 19:22	WG1085895
1,2,3-Trichloropropane	U		0.000830	0.00280	1	03/17/2018 19:22	WG1085895
1,2,4-Trimethylbenzene	U		0.000236	0.00112	1	03/17/2018 19:22	WG1085895
1,2,3-Trimethylbenzene	U		0.000321	0.00112	1	03/17/2018 19:22	WG1085895
1,3,5-Trimethylbenzene	U		0.000298	0.00112	1	03/17/2018 19:22	WG1085895
Vinyl acetate	U		0.00268	0.0112	1	03/17/2018 19:22	WG1085895
Vinyl chloride	0.176		0.00815	0.0280	25	03/21/2018 14:06	WG1085895
Xylenes, Total	U		0.000782	0.00336	1	03/17/2018 19:22	WG1085895
(S) Toluene-d8	*97.9*			*80.0-120*		*03/17/2018 19:22*	WG1085895
(S) Toluene-d8	*98.6*			*80.0-120*		*03/21/2018 14:06*	WG1085895
(S) Dibromofluoromethane	*106*			*74.0-131*		*03/17/2018 19:22*	WG1085895
(S) Dibromofluoromethane	*96.5*			*74.0-131*		*03/21/2018 14:06*	WG1085895
(S) 4-Bromofluorobenzene	*91.7*			*64.0-132*		*03/17/2018 19:22*	WG1085895
(S) 4-Bromofluorobenzene	*89.4*			*64.0-132*		*03/21/2018 14:06*	WG1085895

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Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	87.0		1	03/20/2018 10:59	WG1086139

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0115	0.0575	1	03/17/2018 19:42	WG1085895
Acrylonitrile	U		0.00206	0.0115	1	03/17/2018 19:42	WG1085895
Benzene	U		0.000310	0.00115	1	03/17/2018 19:42	WG1085895
Bromobenzene	U		0.000326	0.00115	1	03/17/2018 19:42	WG1085895
Bromodichloromethane	U		0.000292	0.00115	1	03/17/2018 19:42	WG1085895
Bromochloromethane	U		0.000448	0.00575	1	03/17/2018 19:42	WG1085895
Bromoform	U		0.000487	0.00115	1	03/17/2018 19:42	WG1085895
Bromomethane	U		0.00154	0.00575	1	03/17/2018 19:42	WG1085895
n-Butylbenzene	U		0.000296	0.00115	1	03/17/2018 19:42	WG1085895
sec-Butylbenzene	U		0.000231	0.00115	1	03/17/2018 19:42	WG1085895
tert-Butylbenzene	U		0.000237	0.00115	1	03/17/2018 19:42	WG1085895
Carbon disulfide	U		0.000254	0.00115	1	03/17/2018 19:42	WG1085895
Carbon tetrachloride	U		0.000377	0.00115	1	03/17/2018 19:42	WG1085895
Chlorobenzene	U		0.000244	0.00115	1	03/17/2018 19:42	WG1085895
Chlorodibromomethane	U		0.000429	0.00115	1	03/17/2018 19:42	WG1085895
Chloroethane	U		0.00109	0.00575	1	03/17/2018 19:42	WG1085895
Chloroform	U		0.000263	0.00575	1	03/17/2018 19:42	WG1085895
Chloromethane	U		0.000431	0.00287	1	03/17/2018 19:42	WG1085895
2-Chlorotoluene	U		0.000346	0.00115	1	03/17/2018 19:42	WG1085895
4-Chlorotoluene	U		0.000276	0.00115	1	03/17/2018 19:42	WG1085895
1,2-Dibromo-3-Chloropropane	U		0.00121	0.00575	1	03/17/2018 19:42	WG1085895
1,2-Dibromoethane	U		0.000394	0.00115	1	03/17/2018 19:42	WG1085895
Dibromomethane	U		0.000439	0.00115	1	03/17/2018 19:42	WG1085895
1,2-Dichlorobenzene	U		0.000351	0.00115	1	03/17/2018 19:42	WG1085895
1,3-Dichlorobenzene	U		0.000275	0.00115	1	03/17/2018 19:42	WG1085895
1,4-Dichlorobenzene	U		0.000260	0.00115	1	03/17/2018 19:42	WG1085895
Dichlorodifluoromethane	U		0.000819	0.00575	1	03/17/2018 19:42	WG1085895
1,1-Dichloroethane	U		0.000229	0.00115	1	03/17/2018 19:42	WG1085895
1,2-Dichloroethane	U		0.000305	0.00115	1	03/17/2018 19:42	WG1085895
1,1-Dichloroethene	U		0.000348	0.00115	1	03/17/2018 19:42	WG1085895
cis-1,2-Dichloroethene	0.000953	J J	0.000270	0.00115	1	03/21/2018 13:26	WG1085895
trans-1,2-Dichloroethene	U		0.000303	0.00115	1	03/17/2018 19:42	WG1085895
1,2-Dichloropropane	U		0.000411	0.00115	1	03/17/2018 19:42	WG1085895
1,1-Dichloropropene	U		0.000364	0.00115	1	03/17/2018 19:42	WG1085895
1,3-Dichloropropane	U		0.000238	0.00115	1	03/17/2018 19:42	WG1085895
cis-1,3-Dichloropropene	U		0.000301	0.00115	1	03/17/2018 19:42	WG1085895
trans-1,3-Dichloropropene	U		0.000307	0.00115	1	03/17/2018 19:42	WG1085895
trans-1,4-Dichloro-2-butene	U		0.000894	0.00287	1	03/17/2018 19:42	WG1085895
2,2-Dichloropropane	U		0.000321	0.00115	1	03/17/2018 19:42	WG1085895
Di-isopropyl ether	U		0.000285	0.00115	1	03/17/2018 19:42	WG1085895
Ethylbenzene	U		0.000341	0.00115	1	03/17/2018 19:42	WG1085895
Hexachloro-1,3-butadiene	U		0.000393	0.00115	1	03/17/2018 19:42	WG1085895
2-Hexanone	U		0.00157	0.0115	1	03/17/2018 19:42	WG1085895
n-Hexane	U		0.000333	0.0115	1	03/17/2018 19:42	WG1085895
Iodomethane	U		0.00291	0.0115	1	03/17/2018 19:42	WG1085895
Isopropylbenzene	U		0.000279	0.00115	1	03/17/2018 19:42	WG1085895
p-Isopropyltoluene	U		0.000234	0.00115	1	03/17/2018 19:42	WG1085895
2-Butanone (MEK)	U		0.00538	0.0115	1	03/17/2018 19:42	WG1085895
Methylene Chloride	U		0.00115	0.00575	1	03/17/2018 19:42	WG1085895
4-Methyl-2-pentanone (MIBK)	U		0.00216	0.0115	1	03/17/2018 19:42	WG1085895

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000244	0.00115	1	03/17/2018 19:42	WG1085895
Naphthalene	U		0.00115	0.00575	1	03/17/2018 19:42	WG1085895
n-Propylbenzene	U		0.000237	0.00115	1	03/17/2018 19:42	WG1085895
Styrene	U		0.000269	0.00115	1	03/17/2018 19:42	WG1085895
1,1,1,2-Tetrachloroethane	U		0.000303	0.00115	1	03/17/2018 19:42	WG1085895
1,1,2,2-Tetrachloroethane	U		0.000419	0.00115	1	03/17/2018 19:42	WG1085895
1,1,2-Trichlorotrifluoroethane	U		0.000419	0.00115	1	03/17/2018 19:42	WG1085895
Tetrachloroethene	0.00241		0.000317	0.00115	1	03/21/2018 13:26	WG1085895
Toluene	U		0.000499	0.00575	1	03/17/2018 19:42	WG1085895
1,2,3-Trichlorobenzene	U		0.000352	0.00115	1	03/17/2018 19:42	WG1085895
1,2,4-Trichlorobenzene	U		0.000446	0.00115	1	03/17/2018 19:42	WG1085895
1,1,1-Trichloroethane	U		0.000329	0.00115	1	03/17/2018 19:42	WG1085895
1,1,2-Trichloroethane	U		0.000318	0.00115	1	03/17/2018 19:42	WG1085895
Trichloroethene	0.00116		0.000321	0.00115	1	03/17/2018 19:42	WG1085895
Trichlorofluoromethane	U		0.000439	0.00575	1	03/17/2018 19:42	WG1085895
1,2,3-Trichloropropane	U		0.000852	0.00287	1	03/17/2018 19:42	WG1085895
1,2,4-Trimethylbenzene	U		0.000242	0.00115	1	03/17/2018 19:42	WG1085895
1,2,3-Trimethylbenzene	U		0.000330	0.00115	1	03/17/2018 19:42	WG1085895
1,3,5-Trimethylbenzene	U		0.000306	0.00115	1	03/17/2018 19:42	WG1085895
Vinyl acetate	U		0.00275	0.0115	1	03/17/2018 19:42	WG1085895
Vinyl chloride	U		0.000334	0.00115	1	03/21/2018 13:26	WG1085895
Xylenes, Total	U		0.000802	0.00345	1	03/17/2018 19:42	WG1085895
(S) Toluene-d8	*96.2*			*80.0-120*		*03/17/2018 19:42*	WG1085895
(S) Toluene-d8	*99.0*			*80.0-120*		*03/21/2018 13:26*	WG1085895
(S) Dibromofluoromethane	*108*			*74.0-131*		*03/17/2018 19:42*	WG1085895
(S) Dibromofluoromethane	*104*			*74.0-131*		*03/21/2018 13:26*	WG1085895
(S) 4-Bromofluorobenzene	*92.7*			*64.0-132*		*03/17/2018 19:42*	WG1085895
(S) 4-Bromofluorobenzene	*92.2*			*64.0-132*		*03/21/2018 13:26*	WG1085895

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Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	83.1		1	03/20/2018 10:59	WG1086139

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0120	0.0601	1	03/17/2018 20:01	WG1085895
Acrylonitrile	U		0.00215	0.0120	1	03/17/2018 20:01	WG1085895
Benzene	U		0.000325	0.00120	1	03/17/2018 20:01	WG1085895
Bromobenzene	U		0.000342	0.00120	1	03/17/2018 20:01	WG1085895
Bromodichloromethane	U		0.000306	0.00120	1	03/17/2018 20:01	WG1085895
Bromochloromethane	U		0.000469	0.00601	1	03/17/2018 20:01	WG1085895
Bromoform	U		0.000510	0.00120	1	03/17/2018 20:01	WG1085895
Bromomethane	U		0.00161	0.00601	1	03/17/2018 20:01	WG1085895
n-Butylbenzene	U		0.000310	0.00120	1	03/17/2018 20:01	WG1085895
sec-Butylbenzene	U		0.000242	0.00120	1	03/17/2018 20:01	WG1085895
tert-Butylbenzene	U		0.000248	0.00120	1	03/17/2018 20:01	WG1085895
Carbon disulfide	0.000969	J J	0.000266	0.00120	1	03/17/2018 20:01	WG1085895
Carbon tetrachloride	U		0.000395	0.00120	1	03/17/2018 20:01	WG1085895
Chlorobenzene	U		0.000255	0.00120	1	03/17/2018 20:01	WG1085895
Chlorodibromomethane	U		0.000449	0.00120	1	03/17/2018 20:01	WG1085895
Chloroethane	U		0.00114	0.00601	1	03/17/2018 20:01	WG1085895
Chloroform	0.00114	J J	0.000275	0.00601	1	03/17/2018 20:01	WG1085895
Chloromethane	U		0.000451	0.00301	1	03/17/2018 20:01	WG1085895
2-Chlorotoluene	U		0.000362	0.00120	1	03/17/2018 20:01	WG1085895
4-Chlorotoluene	U		0.000289	0.00120	1	03/17/2018 20:01	WG1085895
1,2-Dibromo-3-Chloropropane	U		0.00126	0.00601	1	03/17/2018 20:01	WG1085895
1,2-Dibromoethane	U		0.000413	0.00120	1	03/17/2018 20:01	WG1085895
Dibromomethane	U		0.000459	0.00120	1	03/17/2018 20:01	WG1085895
1,2-Dichlorobenzene	U		0.000367	0.00120	1	03/17/2018 20:01	WG1085895
1,3-Dichlorobenzene	U		0.000287	0.00120	1	03/17/2018 20:01	WG1085895
1,4-Dichlorobenzene	U		0.000272	0.00120	1	03/17/2018 20:01	WG1085895
Dichlorodifluoromethane	U		0.000858	0.00601	1	03/17/2018 20:01	WG1085895
1,1-Dichloroethane	U		0.000239	0.00120	1	03/17/2018 20:01	WG1085895
1,2-Dichloroethane	U		0.000319	0.00120	1	03/17/2018 20:01	WG1085895
1,1-Dichloroethene	U		0.000364	0.00120	1	03/17/2018 20:01	WG1085895
cis-1,2-Dichloroethene	0.00329		0.000283	0.00120	1	03/17/2018 20:01	WG1085895
trans-1,2-Dichloroethene	U		0.000318	0.00120	1	03/17/2018 20:01	WG1085895
1,2-Dichloropropane	U		0.000431	0.00120	1	03/17/2018 20:01	WG1085895
1,1-Dichloropropene	U		0.000381	0.00120	1	03/17/2018 20:01	WG1085895
1,3-Dichloropropane	U		0.000249	0.00120	1	03/17/2018 20:01	WG1085895
cis-1,3-Dichloropropene	U		0.000315	0.00120	1	03/17/2018 20:01	WG1085895
trans-1,3-Dichloropropene	U		0.000321	0.00120	1	03/17/2018 20:01	WG1085895
trans-1,4-Dichloro-2-butene	U		0.000936	0.00301	1	03/17/2018 20:01	WG1085895
2,2-Dichloropropane	U		0.000336	0.00120	1	03/17/2018 20:01	WG1085895
Di-isopropyl ether	U		0.000298	0.00120	1	03/17/2018 20:01	WG1085895
Ethylbenzene	U		0.000357	0.00120	1	03/17/2018 20:01	WG1085895
Hexachloro-1,3-butadiene	U		0.000411	0.00120	1	03/17/2018 20:01	WG1085895
2-Hexanone	U		0.00165	0.0120	1	03/17/2018 20:01	WG1085895
n-Hexane	U		0.000349	0.0120	1	03/17/2018 20:01	WG1085895
Iodomethane	U		0.00304	0.0120	1	03/17/2018 20:01	WG1085895
Isopropylbenzene	U		0.000292	0.00120	1	03/17/2018 20:01	WG1085895
p-Isopropyltoluene	U		0.000245	0.00120	1	03/17/2018 20:01	WG1085895
2-Butanone (MEK)	U		0.00563	0.0120	1	03/17/2018 20:01	WG1085895
Methylene Chloride	U		0.00120	0.00601	1	03/17/2018 20:01	WG1085895
4-Methyl-2-pentanone (MIBK)	U		0.00226	0.0120	1	03/17/2018 20:01	WG1085895

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000255	0.00120	1	03/17/2018 20:01	WG1085895
Naphthalene	U		0.00120	0.00601	1	03/17/2018 20:01	WG1085895
n-Propylbenzene	U		0.000248	0.00120	1	03/17/2018 20:01	WG1085895
Styrene	U		0.000281	0.00120	1	03/17/2018 20:01	WG1085895
1,1,1,2-Tetrachloroethane	U		0.000318	0.00120	1	03/17/2018 20:01	WG1085895
1,1,2,2-Tetrachloroethane	U		0.000439	0.00120	1	03/17/2018 20:01	WG1085895
1,1,2-Trichlorotrifluoroethane	U		0.000439	0.00120	1	03/17/2018 20:01	WG1085895
Tetrachloroethene	0.00735		0.000332	0.00120	1	03/21/2018 13:47	WG1085895
Toluene	0.000696	J J	0.000522	0.00601	1	03/17/2018 20:01	WG1085895
1,2,3-Trichlorobenzene	U		0.000368	0.00120	1	03/17/2018 20:01	WG1085895
1,2,4-Trichlorobenzene	U		0.000467	0.00120	1	03/17/2018 20:01	WG1085895
1,1,1-Trichloroethane	U		0.000344	0.00120	1	03/17/2018 20:01	WG1085895
1,1,2-Trichloroethane	U		0.000333	0.00120	1	03/17/2018 20:01	WG1085895
Trichloroethene	0.00116	J J	0.000336	0.00120	1	03/17/2018 20:01	WG1085895
Trichlorofluoromethane	U		0.000459	0.00601	1	03/17/2018 20:01	WG1085895
1,2,3-Trichloropropane	U		0.000891	0.00301	1	03/17/2018 20:01	WG1085895
1,2,4-Trimethylbenzene	U		0.000254	0.00120	1	03/17/2018 20:01	WG1085895
1,2,3-Trimethylbenzene	U		0.000345	0.00120	1	03/17/2018 20:01	WG1085895
1,3,5-Trimethylbenzene	U		0.000320	0.00120	1	03/17/2018 20:01	WG1085895
Vinyl acetate	U		0.00287	0.0120	1	03/17/2018 20:01	WG1085895
Vinyl chloride	0.00172		0.000350	0.00120	1	03/17/2018 20:01	WG1085895
Xylenes, Total	U		0.000840	0.00361	1	03/17/2018 20:01	WG1085895
(S) Toluene-d8	*97.5*			*80.0-120*		*03/17/2018 20:01*	WG1085895
(S) Toluene-d8	*97.5*			*80.0-120*		*03/21/2018 13:47*	WG1085895
(S) Dibromofluoromethane	*107*			*74.0-131*		*03/17/2018 20:01*	WG1085895
(S) Dibromofluoromethane	*102*			*74.0-131*		*03/21/2018 13:47*	WG1085895
(S) 4-Bromofluorobenzene	*88.7*			*64.0-132*		*03/21/2018 13:47*	WG1085895
(S) 4-Bromofluorobenzene	*92.0*			*64.0-132*		*03/17/2018 20:01*	WG1085895

JC 4/10/18

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	91.4		1	03/20/2018 10:59	WG1086139

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0109	0.0547	1	03/17/2018 20:21	WG1085895
Acrylonitrile	U		0.00196	0.0109	1	03/17/2018 20:21	WG1085895
Benzene	U		0.000295	0.00109	1	03/17/2018 20:21	WG1085895
Bromobenzene	U		0.000311	0.00109	1	03/17/2018 20:21	WG1085895
Bromodichloromethane	U		0.000278	0.00109	1	03/17/2018 20:21	WG1085895
Bromochloromethane	U		0.000426	0.00547	1	03/17/2018 20:21	WG1085895
Bromoform	U		0.000464	0.00109	1	03/17/2018 20:21	WG1085895
Bromomethane	U		0.00147	0.00547	1	03/17/2018 20:21	WG1085895
n-Butylbenzene	U		0.000282	0.00109	1	03/17/2018 20:21	WG1085895
sec-Butylbenzene	U		0.000220	0.00109	1	03/17/2018 20:21	WG1085895
tert-Butylbenzene	U		0.000225	0.00109	1	03/17/2018 20:21	WG1085895
Carbon disulfide	U		0.000242	0.00109	1	03/17/2018 20:21	WG1085895
Carbon tetrachloride	U		0.000359	0.00109	1	03/17/2018 20:21	WG1085895
Chlorobenzene	U		0.000232	0.00109	1	03/17/2018 20:21	WG1085895
Chlorodibromomethane	U		0.000408	0.00109	1	03/17/2018 20:21	WG1085895
Chloroethane	U		0.00103	0.00547	1	03/17/2018 20:21	WG1085895
Chloroform	U		0.000250	0.00547	1	03/17/2018 20:21	WG1085895
Chloromethane	U		0.000410	0.00273	1	03/17/2018 20:21	WG1085895
2-Chlorotoluene	U		0.000329	0.00109	1	03/17/2018 20:21	WG1085895
4-Chlorotoluene	U		0.000262	0.00109	1	03/17/2018 20:21	WG1085895
1,2-Dibromo-3-Chloropropane	U		0.00115	0.00547	1	03/17/2018 20:21	WG1085895
1,2-Dibromoethane	U		0.000375	0.00109	1	03/17/2018 20:21	WG1085895
Dibromomethane	U		0.000418	0.00109	1	03/17/2018 20:21	WG1085895
1,2-Dichlorobenzene	U		0.000334	0.00109	1	03/17/2018 20:21	WG1085895
1,3-Dichlorobenzene	U		0.000261	0.00109	1	03/17/2018 20:21	WG1085895
1,4-Dichlorobenzene	U		0.000247	0.00109	1	03/17/2018 20:21	WG1085895
Dichlorodifluoromethane	U		0.000780	0.00547	1	03/17/2018 20:21	WG1085895
1,1-Dichloroethane	U		0.000218	0.00109	1	03/17/2018 20:21	WG1085895
1,2-Dichloroethane	U		0.000290	0.00109	1	03/17/2018 20:21	WG1085895
1,1-Dichloroethene	U		0.000331	0.00109	1	03/17/2018 20:21	WG1085895
cis-1,2-Dichloroethene	0.000620	J J	0.000257	0.00109	1	03/17/2018 20:21	WG1085895
trans-1,2-Dichloroethene	U		0.000289	0.00109	1	03/17/2018 20:21	WG1085895
1,2-Dichloropropane	U		0.000391	0.00109	1	03/17/2018 20:21	WG1085895
1,1-Dichloropropene	U		0.000347	0.00109	1	03/17/2018 20:21	WG1085895
1,3-Dichloropropane	U		0.000226	0.00109	1	03/17/2018 20:21	WG1085895
cis-1,3-Dichloropropene	U		0.000286	0.00109	1	03/17/2018 20:21	WG1085895
trans-1,3-Dichloropropene	U		0.000292	0.00109	1	03/17/2018 20:21	WG1085895
trans-1,4-Dichloro-2-butene	U		0.000851	0.00273	1	03/17/2018 20:21	WG1085895
2,2-Dichloropropane	U		0.000305	0.00109	1	03/17/2018 20:21	WG1085895
Di-isopropyl ether	U		0.000271	0.00109	1	03/17/2018 20:21	WG1085895
Ethylbenzene	U		0.000325	0.00109	1	03/17/2018 20:21	WG1085895
Hexachloro-1,3-butadiene	U		0.000374	0.00109	1	03/17/2018 20:21	WG1085895
2-Hexanone	U		0.00150	0.0109	1	03/17/2018 20:21	WG1085895
n-Hexane	U		0.000317	0.0109	1	03/17/2018 20:21	WG1085895
Iodomethane	U		0.00277	0.0109	1	03/17/2018 20:21	WG1085895
Isopropylbenzene	U		0.000266	0.00109	1	03/17/2018 20:21	WG1085895
p-Isopropyltoluene	U		0.000223	0.00109	1	03/17/2018 20:21	WG1085895
2-Butanone (MEK)	U		0.00512	0.0109	1	03/17/2018 20:21	WG1085895
Methylene Chloride	U		0.00109	0.00547	1	03/17/2018 20:21	WG1085895
4-Methyl-2-pentanone (MIBK)	U		0.00206	0.0109	1	03/17/2018 20:21	WG1085895

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000232	0.00109	1	03/17/2018 20:21	WG1085895
Naphthalene	U		0.00109	0.00547	1	03/17/2018 20:21	WG1085895
n-Propylbenzene	U		0.000225	0.00109	1	03/17/2018 20:21	WG1085895
Styrene	U		0.000256	0.00109	1	03/17/2018 20:21	WG1085895
1,1,1,2-Tetrachloroethane	U		0.000289	0.00109	1	03/17/2018 20:21	WG1085895
1,1,2,2-Tetrachloroethane	U		0.000399	0.00109	1	03/17/2018 20:21	WG1085895
1,1,2-Trichlorotrifluoroethane	U		0.000399	0.00109	1	03/17/2018 20:21	WG1085895
Tetrachloroethene	0.0323		0.000302	0.00109	1	03/17/2018 20:21	WG1085895
Toluene	U		0.000475	0.00547	1	03/17/2018 20:21	WG1085895
1,2,3-Trichlorobenzene	U		0.000335	0.00109	1	03/17/2018 20:21	WG1085895
1,2,4-Trichlorobenzene	U		0.000424	0.00109	1	03/17/2018 20:21	WG1085895
1,1,1-Trichloroethane	U		0.000313	0.00109	1	03/17/2018 20:21	WG1085895
1,1,2-Trichloroethane	U		0.000303	0.00109	1	03/17/2018 20:21	WG1085895
Trichloroethene	0.00162		0.000305	0.00109	1	03/17/2018 20:21	WG1085895
Trichlorofluoromethane	U		0.000418	0.00547	1	03/17/2018 20:21	WG1085895
1,2,3-Trichloropropane	U		0.000810	0.00273	1	03/17/2018 20:21	WG1085895
1,2,4-Trimethylbenzene	U		0.000231	0.00109	1	03/17/2018 20:21	WG1085895
1,2,3-Trimethylbenzene	U		0.000314	0.00109	1	03/17/2018 20:21	WG1085895
1,3,5-Trimethylbenzene	U		0.000291	0.00109	1	03/17/2018 20:21	WG1085895
Vinyl acetate	U		0.00261	0.0109	1	03/17/2018 20:21	WG1085895
Vinyl chloride	U		0.000318	0.00109	1	03/17/2018 20:21	WG1085895
Xylenes, Total	U		0.000763	0.00328	1	03/17/2018 20:21	WG1085895
(S) Toluene-d8	*98.0*			*80.0-120*		*03/17/2018 20:21*	WG1085895
(S) Dibromofluoromethane	*103*			*74.0-131*		*03/17/2018 20:21*	WG1085895
(S) 4-Bromofluorobenzene	*92.6*			*64.0-132*		*03/17/2018 20:21*	WG1085895

JC 4/10/18

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	86.3		1	03/20/2018 10:59	WG1086139

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.290	1.45	25	03/17/2018 20:40	WG1085895
Acrylonitrile	U		0.0519	0.290	25	03/17/2018 20:40	WG1085895
Benzene	U		0.00782	0.0290	25	03/17/2018 20:40	WG1085895
Bromobenzene	U		0.00823	0.0290	25	03/17/2018 20:40	WG1085895
Bromodichloromethane	U		0.00736	0.0290	25	03/17/2018 20:40	WG1085895
Bromochloromethane	U		0.0113	0.145	25	03/17/2018 20:40	WG1085895
Bromoform	U		0.0123	0.0290	25	03/17/2018 20:40	WG1085895
Bromomethane	U		0.0388	0.145	25	03/17/2018 20:40	WG1085895
n-Butylbenzene	U		0.00748	0.0290	25	03/17/2018 20:40	WG1085895
sec-Butylbenzene	U		0.00582	0.0290	25	03/17/2018 20:40	WG1085895
tert-Butylbenzene	U		0.00597	0.0290	25	03/17/2018 20:40	WG1085895
Carbon disulfide	U	J6 R	0.00640	0.0290	25	03/17/2018 20:40	WG1085895
Carbon tetrachloride	U		0.00950	0.0290	25	03/17/2018 20:40	WG1085895
Chlorobenzene	U		0.00614	0.0290	25	03/17/2018 20:40	WG1085895
Chlorodibromomethane	U		0.0108	0.0290	25	03/17/2018 20:40	WG1085895
Chloroethane	U		0.0274	0.145	25	03/17/2018 20:40	WG1085895
Chloroform	U		0.00663	0.145	25	03/17/2018 20:40	WG1085895
Chloromethane	U		0.0109	0.0724	25	03/17/2018 20:40	WG1085895
2-Chlorotoluene	U		0.00872	0.0290	25	03/17/2018 20:40	WG1085895
4-Chlorotoluene	U		0.00695	0.0290	25	03/17/2018 20:40	WG1085895
1,2-Dibromo-3-Chloropropane	U		0.0304	0.145	25	03/17/2018 20:40	WG1085895
1,2-Dibromoethane	U		0.00994	0.0290	25	03/17/2018 20:40	WG1085895
Dibromomethane	U		0.0111	0.0290	25	03/17/2018 20:40	WG1085895
1,2-Dichlorobenzene	U		0.00883	0.0290	25	03/17/2018 20:40	WG1085895
1,3-Dichlorobenzene	U		0.00693	0.0290	25	03/17/2018 20:40	WG1085895
1,4-Dichlorobenzene	U		0.00655	0.0290	25	03/17/2018 20:40	WG1085895
Dichlorodifluoromethane	U		0.0206	0.145	25	03/17/2018 20:40	WG1085895
1,1-Dichloroethane	U		0.00577	0.0290	25	03/17/2018 20:40	WG1085895
1,2-Dichloroethane	U		0.00767	0.0290	25	03/17/2018 20:40	WG1085895
1,1-Dichloroethene	U		0.00878	0.0290	25	03/17/2018 20:40	WG1085895
cis-1,2-Dichloroethene	0.422		0.00681	0.0290	25	03/17/2018 20:40	WG1085895
trans-1,2-Dichloroethene	U		0.00765	0.0290	25	03/17/2018 20:40	WG1085895
1,2-Dichloropropane	U		0.0104	0.0290	25	03/17/2018 20:40	WG1085895
1,1-Dichloropropene	U		0.00918	0.0290	25	03/17/2018 20:40	WG1085895
1,3-Dichloropropane	U		0.00600	0.0290	25	03/17/2018 20:40	WG1085895
cis-1,3-Dichloropropene	U		0.00759	0.0290	25	03/17/2018 20:40	WG1085895
trans-1,3-Dichloropropene	U		0.00774	0.0290	25	03/17/2018 20:40	WG1085895
trans-1,4-Dichloro-2-butene	U		0.0225	0.0724	25	03/17/2018 20:40	WG1085895
2,2-Dichloropropane	U		0.00809	0.0290	25	03/17/2018 20:40	WG1085895
Di-isopropyl ether	U		0.00719	0.0290	25	03/17/2018 20:40	WG1085895
Ethylbenzene	U		0.00860	0.0290	25	03/17/2018 20:40	WG1085895
Hexachloro-1,3-butadiene	U		0.00991	0.0290	25	03/17/2018 20:40	WG1085895
2-Hexanone	U		0.0396	0.290	25	03/17/2018 20:40	WG1085895
n-Hexane	U	J6 R	0.00840	0.290	25	03/17/2018 20:40	WG1085895
Iodomethane	U		0.0732	0.290	25	03/17/2018 20:40	WG1085895
Isopropylbenzene	U		0.00705	0.0290	25	03/17/2018 20:40	WG1085895
p-Isopropyltoluene	U		0.00591	0.0290	25	03/17/2018 20:40	WG1085895
2-Butanone (MEK)	U		0.136	0.290	25	03/17/2018 20:40	WG1085895
Methylene Chloride	U		0.0290	0.145	25	03/17/2018 20:40	WG1085895
4-Methyl-2-pentanone (MIBK)	U		0.0545	0.290	25	03/17/2018 20:40	WG1085895

JC 4/12/18

JC 4/10/18

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	0.0700	J0 J	0.00614	0.0290	25	03/17/2018 20:40	WG1085895
Naphthalene	U		0.0290	0.145	25	03/17/2018 20:40	WG1085895
n-Propylbenzene	U		0.00597	0.0290	25	03/17/2018 20:40	WG1085895
Styrene	U		0.00678	0.0290	25	03/17/2018 20:40	WG1085895
1,1,1,2-Tetrachloroethane	U		0.00765	0.0290	25	03/17/2018 20:40	WG1085895
1,1,2,2-Tetrachloroethane	U		0.0106	0.0290	25	03/17/2018 20:40	WG1085895
1,1,2-Trichlorotrifluoroethane	U		0.0106	0.0290	25	03/17/2018 20:40	WG1085895
Tetrachloroethene	1.36		0.00800	0.0290	25	03/17/2018 20:40	WG1085895
Toluene	U		0.0125	0.145	25	03/17/2018 20:40	WG1085895
1,2,3-Trichlorobenzene	U		0.00887	0.0290	25	03/17/2018 20:40	WG1085895
1,2,4-Trichlorobenzene	U		0.0112	0.0290	25	03/17/2018 20:40	WG1085895
1,1,1-Trichloroethane	U		0.00829	0.0290	25	03/17/2018 20:40	WG1085895
1,1,2-Trichloroethane	U		0.00802	0.0290	25	03/17/2018 20:40	WG1085895
Trichloroethene	0.0812		0.00809	0.0290	25	03/17/2018 20:40	WG1085895
Trichlorofluoromethane	U		0.0111	0.145	25	03/17/2018 20:40	WG1085895
1,2,3-Trichloropropane	U		0.0214	0.0724	25	03/17/2018 20:40	WG1085895
1,2,4-Trimethylbenzene	U		0.00612	0.0290	25	03/17/2018 20:40	WG1085895
1,2,3-Trimethylbenzene	U		0.00832	0.0290	25	03/17/2018 20:40	WG1085895
1,3,5-Trimethylbenzene	U		0.00771	0.0290	25	03/17/2018 20:40	WG1085895
Vinyl acetate	U		0.0693	0.290	25	03/17/2018 20:40	WG1085895
Vinyl chloride	0.00964	J J	0.00844	0.0290	25	03/17/2018 20:40	WG1085895
Xylenes, Total	U		0.0202	0.0869	25	03/17/2018 20:40	WG1085895
(S) Toluene-d8	*110*			*80.0-120*		*03/17/2018 20:40*	WG1085895
(S) Dibromofluoromethane	*98.2*			*74.0-131*		*03/17/2018 20:40*	WG1085895
(S) 4-Bromofluorobenzene	*91.4*			*64.0-132*		*03/17/2018 20:40*	WG1085895

Sample Narrative:

L977245-18 WG1085895: Cannot be analyzed at a lower dilution due to high levels of target analytes.

JC 4/12/18

JC 4/10/18

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	84.7		1	03/20/2018 10:08	WG1086140

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		5.90	29.5	500	03/17/2018 21:39	WG1085895
Acrylonitrile	U		1.06	5.90	500	03/17/2018 21:39	WG1085895
Benzene	U		0.159	0.590	500	03/17/2018 21:39	WG1085895
Bromobenzene	U		0.168	0.590	500	03/17/2018 21:39	WG1085895
Bromodichloromethane	U		0.150	0.590	500	03/17/2018 21:39	WG1085895
Bromochloromethane	U		0.230	2.95	500	03/17/2018 21:39	WG1085895
Bromoform	U		0.250	0.590	500	03/17/2018 21:39	WG1085895
Bromomethane	U		0.791	2.95	500	03/17/2018 21:39	WG1085895
n-Butylbenzene	U		0.152	0.590	500	03/17/2018 21:39	WG1085895
sec-Butylbenzene	U		0.118	0.590	500	03/17/2018 21:39	WG1085895
tert-Butylbenzene	U		0.122	0.590	500	03/17/2018 21:39	WG1085895
Carbon disulfide	U		0.130	0.590	500	03/17/2018 21:39	WG1085895
Carbon tetrachloride	U		0.194	0.590	500	03/17/2018 21:39	WG1085895
Chlorobenzene	U		0.125	0.590	500	03/17/2018 21:39	WG1085895
Chlorodibromomethane	U		0.220	0.590	500	03/17/2018 21:39	WG1085895
Chloroethane	U		0.558	2.95	500	03/17/2018 21:39	WG1085895
Chloroform	U		0.135	2.95	500	03/17/2018 21:39	WG1085895
Chloromethane	U		0.222	1.48	500	03/17/2018 21:39	WG1085895
2-Chlorotoluene	U		0.177	0.590	500	03/17/2018 21:39	WG1085895
4-Chlorotoluene	U		0.142	0.590	500	03/17/2018 21:39	WG1085895
1,2-Dibromo-3-Chloropropane	U		0.620	2.95	500	03/17/2018 21:39	WG1085895
1,2-Dibromoethane	U		0.203	0.590	500	03/17/2018 21:39	WG1085895
Dibromomethane	U		0.225	0.590	500	03/17/2018 21:39	WG1085895
1,2-Dichlorobenzene	U		0.179	0.590	500	03/17/2018 21:39	WG1085895
1,3-Dichlorobenzene	U		0.142	0.590	500	03/17/2018 21:39	WG1085895
1,4-Dichlorobenzene	U		0.133	0.590	500	03/17/2018 21:39	WG1085895
Dichlorodifluoromethane	U		0.420	2.95	500	03/17/2018 21:39	WG1085895
1,1-Dichloroethane	U		0.117	0.590	500	03/17/2018 21:39	WG1085895
1,2-Dichloroethane	U		0.156	0.590	500	03/17/2018 21:39	WG1085895
1,1-Dichloroethene	U		0.179	0.590	500	03/17/2018 21:39	WG1085895
cis-1,2-Dichloroethene	0.968		0.139	0.590	500	03/17/2018 21:39	WG1085895
trans-1,2-Dichloroethene	U		0.156	0.590	500	03/17/2018 21:39	WG1085895
1,2-Dichloropropane	U		0.211	0.590	500	03/17/2018 21:39	WG1085895
1,1-Dichloropropene	U		0.187	0.590	500	03/17/2018 21:39	WG1085895
1,3-Dichloropropane	U		0.123	0.590	500	03/17/2018 21:39	WG1085895
cis-1,3-Dichloropropene	U		0.155	0.590	500	03/17/2018 21:39	WG1085895
trans-1,3-Dichloropropene	U		0.158	0.590	500	03/17/2018 21:39	WG1085895
trans-1,4-Dichloro-2-butene	U		0.459	1.48	500	03/17/2018 21:39	WG1085895
2,2-Dichloropropane	U		0.165	0.590	500	03/17/2018 21:39	WG1085895
Di-isopropyl ether	U		0.146	0.590	500	03/17/2018 21:39	WG1085895
Ethylbenzene	U		0.175	0.590	500	03/17/2018 21:39	WG1085895
Hexachloro-1,3-butadiene	U		0.202	0.590	500	03/17/2018 21:39	WG1085895
2-Hexanone	U		0.809	5.90	500	03/17/2018 21:39	WG1085895
n-Hexane	U		0.171	5.90	500	03/17/2018 21:39	WG1085895
Iodomethane	U		1.49	5.90	500	03/17/2018 21:39	WG1085895
Isopropylbenzene	U		0.144	0.590	500	03/17/2018 21:39	WG1085895
p-Isopropyltoluene	U		0.120	0.590	500	03/17/2018 21:39	WG1085895
2-Butanone (MEK)	U		2.76	5.90	500	03/17/2018 21:39	WG1085895
Methylene Chloride	U		0.590	2.95	500	03/17/2018 21:39	WG1085895
4-Methyl-2-pentanone (MIBK)	U		1.11	5.90	500	03/17/2018 21:39	WG1085895

JC 4/10/18

IW-3C-25

Collected date/time: 03/09/18 09:56

SAMPLE RESULTS - 19

L977245

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	0.325	J J0 J	0.125	0.590	500	03/17/2018 21:39	WG1085895
Naphthalene	U		0.590	2.95	500	03/17/2018 21:39	WG1085895
n-Propylbenzene	U		0.122	0.590	500	03/17/2018 21:39	WG1085895
Styrene	U		0.138	0.590	500	03/17/2018 21:39	WG1085895
1,1,1,2-Tetrachloroethane	U		0.156	0.590	500	03/17/2018 21:39	WG1085895
1,1,2,2-Tetrachloroethane	U		0.215	0.590	500	03/17/2018 21:39	WG1085895
1,1,2-Trichlorotrifluoroethane	U		0.215	0.590	500	03/17/2018 21:39	WG1085895
Tetrachloroethene	19.0		0.163	0.590	500	03/17/2018 21:39	WG1085895
Toluene	U		0.256	2.95	500	03/17/2018 21:39	WG1085895
1,2,3-Trichlorobenzene	U		0.181	0.590	500	03/17/2018 21:39	WG1085895
1,2,4-Trichlorobenzene	U		0.229	0.590	500	03/17/2018 21:39	WG1085895
1,1,1-Trichloroethane	U		0.169	0.590	500	03/17/2018 21:39	WG1085895
1,1,2-Trichloroethane	U		0.163	0.590	500	03/17/2018 21:39	WG1085895
Trichloroethene	0.774		0.165	0.590	500	03/17/2018 21:39	WG1085895
Trichlorofluoromethane	U		0.225	2.95	500	03/17/2018 21:39	WG1085895
1,2,3-Trichloropropane	U		0.437	1.48	500	03/17/2018 21:39	WG1085895
1,2,4-Trimethylbenzene	U		0.125	0.590	500	03/17/2018 21:39	WG1085895
1,2,3-Trimethylbenzene	U		0.170	0.590	500	03/17/2018 21:39	WG1085895
1,3,5-Trimethylbenzene	U		0.157	0.590	500	03/17/2018 21:39	WG1085895
Vinyl acetate	U		1.42	5.90	500	03/17/2018 21:39	WG1085895
Vinyl chloride	U		0.172	0.590	500	03/17/2018 21:39	WG1085895
Xylenes, Total	U		0.412	1.77	500	03/17/2018 21:39	WG1085895
(S) Toluene-d8	*108*			*80.0-120*		*03/17/2018 21:39*	WG1085895
(S) Dibromofluoromethane	*101*			*74.0-131*		*03/17/2018 21:39*	WG1085895
(S) 4-Bromofluorobenzene	*90.7*			*64.0-132*		*03/17/2018 21:39*	WG1085895

Sample Narrative:

L977245-19 WG1085895: Cannot be analyzed at a lower dilution due to high levels of target analytes.

JC 4/10/18

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	90.0		1	03/20/2018 10:08	WG1086140

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		2.22	11.1	200	03/17/2018 21:19	WG1085895
Acrylonitrile	U		0.398	2.22	200	03/17/2018 21:19	WG1085895
Benzene	U		0.0600	0.222	200	03/17/2018 21:19	WG1085895
Bromobenzene	U		0.0631	0.222	200	03/17/2018 21:19	WG1085895
Bromodichloromethane	U		0.0565	0.222	200	03/17/2018 21:19	WG1085895
Bromochloromethane	U		0.0867	1.11	200	03/17/2018 21:19	WG1085895
Bromoform	U		0.0942	0.222	200	03/17/2018 21:19	WG1085895
Bromomethane	U		0.298	1.11	200	03/17/2018 21:19	WG1085895
n-Butylbenzene	U		0.0573	0.222	200	03/17/2018 21:19	WG1085895
sec-Butylbenzene	U		0.0447	0.222	200	03/17/2018 21:19	WG1085895
tert-Butylbenzene	U		0.0458	0.222	200	03/17/2018 21:19	WG1085895
Carbon disulfide	U		0.0491	0.222	200	03/17/2018 21:19	WG1085895
Carbon tetrachloride	U		0.0729	0.222	200	03/17/2018 21:19	WG1085895
Chlorobenzene	U		0.0471	0.222	200	03/17/2018 21:19	WG1085895
Chlorodibromomethane	U		0.0829	0.222	200	03/17/2018 21:19	WG1085895
Chloroethane	U		0.210	1.11	200	03/17/2018 21:19	WG1085895
Chloroform	U		0.0509	1.11	200	03/17/2018 21:19	WG1085895
Chloromethane	U		0.0833	0.556	200	03/17/2018 21:19	WG1085895
2-Chlorotoluene	U		0.0669	0.222	200	03/17/2018 21:19	WG1085895
4-Chlorotoluene	U		0.0533	0.222	200	03/17/2018 21:19	WG1085895
1,2-Dibromo-3-Chloropropane	U		0.233	1.11	200	03/17/2018 21:19	WG1085895
1,2-Dibromoethane	U		0.0762	0.222	200	03/17/2018 21:19	WG1085895
Dibromomethane	U		0.0849	0.222	200	03/17/2018 21:19	WG1085895
1,2-Dichlorobenzene	U		0.0678	0.222	200	03/17/2018 21:19	WG1085895
1,3-Dichlorobenzene	U		0.0531	0.222	200	03/17/2018 21:19	WG1085895
1,4-Dichlorobenzene	U		0.0502	0.222	200	03/17/2018 21:19	WG1085895
Dichlorodifluoromethane	U		0.159	1.11	200	03/17/2018 21:19	WG1085895
1,1-Dichloroethane	U		0.0442	0.222	200	03/17/2018 21:19	WG1085895
1,2-Dichloroethane	U		0.0589	0.222	200	03/17/2018 21:19	WG1085895
1,1-Dichloroethene	U		0.0673	0.222	200	03/17/2018 21:19	WG1085895
cis-1,2-Dichloroethene	0.918		0.0522	0.222	200	03/17/2018 21:19	WG1085895
trans-1,2-Dichloroethene	U		0.0587	0.222	200	03/17/2018 21:19	WG1085895
1,2-Dichloropropane	U		0.0796	0.222	200	03/17/2018 21:19	WG1085895
1,1-Dichloropropene	U		0.0705	0.222	200	03/17/2018 21:19	WG1085895
1,3-Dichloropropane	U		0.0460	0.222	200	03/17/2018 21:19	WG1085895
cis-1,3-Dichloropropene	U		0.0582	0.222	200	03/17/2018 21:19	WG1085895
trans-1,3-Dichloropropene	U		0.0593	0.222	200	03/17/2018 21:19	WG1085895
trans-1,4-Dichloro-2-butene	U		0.173	0.556	200	03/17/2018 21:19	WG1085895
2,2-Dichloropropane	U		0.0620	0.222	200	03/17/2018 21:19	WG1085895
Di-isopropyl ether	U		0.0551	0.222	200	03/17/2018 21:19	WG1085895
Ethylbenzene	U		0.0660	0.222	200	03/17/2018 21:19	WG1085895
Hexachloro-1,3-butadiene	U		0.0760	0.222	200	03/17/2018 21:19	WG1085895
2-Hexanone	U		0.305	2.22	200	03/17/2018 21:19	WG1085895
n-Hexane	U		0.0645	2.22	200	03/17/2018 21:19	WG1085895
Iodomethane	U		0.562	2.22	200	03/17/2018 21:19	WG1085895
Isopropylbenzene	U		0.0540	0.222	200	03/17/2018 21:19	WG1085895
p-Isopropyltoluene	U		0.0453	0.222	200	03/17/2018 21:19	WG1085895
2-Butanone (MEK)	U		1.04	2.22	200	03/17/2018 21:19	WG1085895
Methylene Chloride	U		0.222	1.11	200	03/17/2018 21:19	WG1085895
4-Methyl-2-pentanone (MIBK)	U		0.418	2.22	200	03/17/2018 21:19	WG1085895

JC 4/10/18

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	0.432	J0 J	0.0471	0.222	200	03/17/2018 21:19	WG1085895
Naphthalene	U		0.222	1.11	200	03/17/2018 21:19	WG1085895
n-Propylbenzene	U		0.0458	0.222	200	03/17/2018 21:19	WG1085895
Styrene	U		0.0520	0.222	200	03/17/2018 21:19	WG1085895
1,1,1,2-Tetrachloroethane	U		0.0587	0.222	200	03/17/2018 21:19	WG1085895
1,1,2,2-Tetrachloroethane	U		0.0811	0.222	200	03/17/2018 21:19	WG1085895
1,1,2-Trichlorotrifluoroethane	U		0.0811	0.222	200	03/17/2018 21:19	WG1085895
Tetrachloroethene	9.68		0.0613	0.222	200	03/17/2018 21:19	WG1085895
Toluene	U		0.0965	1.11	200	03/17/2018 21:19	WG1085895
1,2,3-Trichlorobenzene	U		0.0680	0.222	200	03/17/2018 21:19	WG1085895
1,2,4-Trichlorobenzene	U		0.0862	0.222	200	03/17/2018 21:19	WG1085895
1,1,1-Trichloroethane	U		0.0636	0.222	200	03/17/2018 21:19	WG1085895
1,1,2-Trichloroethane	U		0.0616	0.222	200	03/17/2018 21:19	WG1085895
Trichloroethene	0.456		0.0620	0.222	200	03/17/2018 21:19	WG1085895
Trichlorofluoromethane	U		0.0849	1.11	200	03/17/2018 21:19	WG1085895
1,2,3-Trichloropropane	U		0.164	0.556	200	03/17/2018 21:19	WG1085895
1,2,4-Trimethylbenzene	U		0.0469	0.222	200	03/17/2018 21:19	WG1085895
1,2,3-Trimethylbenzene	U		0.0638	0.222	200	03/17/2018 21:19	WG1085895
1,3,5-Trimethylbenzene	U		0.0591	0.222	200	03/17/2018 21:19	WG1085895
Vinyl acetate	U		0.531	2.22	200	03/17/2018 21:19	WG1085895
Vinyl chloride	0.0932	J J	0.0647	0.222	200	03/17/2018 21:19	WG1085895
Xylenes, Total	U		0.156	0.667	200	03/17/2018 21:19	WG1085895
(S) Toluene-d8	*105*			*80.0-120*		*03/17/2018 21:19*	WG1085895
(S) Dibromofluoromethane	*101*			*74.0-131*		*03/17/2018 21:19*	WG1085895
(S) 4-Bromofluorobenzene	*88.7*			*64.0-132*		*03/17/2018 21:19*	WG1085895

Sample Narrative:

L977245-20 WG1085895: Cannot be analyzed at a lower dilution due to high levels of target analytes.

JC 4/10/18

IW-3C-45
Collected date/time: 03/09/18 10:16

SAMPLE RESULTS - 21

L977245

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	86.8		1	03/20/2018 10:08	WG1086140

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U	J0 UJ	0.0115	0.0576	1	03/15/2018 16:09	WG1084660
Acrylonitrile	U		0.00206	0.0115	1	03/15/2018 16:09	WG1084660
Benzene	U		0.000311	0.00115	1	03/15/2018 16:09	WG1084660
Bromobenzene	U		0.000327	0.00115	1	03/15/2018 16:09	WG1084660
Bromodichloromethane	U		0.000293	0.00115	1	03/15/2018 16:09	WG1084660
Bromochloromethane	U		0.000450	0.00576	1	03/15/2018 16:09	WG1084660
Bromoform	U		0.000489	0.00115	1	03/15/2018 16:09	WG1084660
Bromomethane	U		0.00154	0.00576	1	03/15/2018 16:09	WG1084660
n-Butylbenzene	U		0.000297	0.00115	1	03/15/2018 16:09	WG1084660
sec-Butylbenzene	U		0.000232	0.00115	1	03/15/2018 16:09	WG1084660
tert-Butylbenzene	U		0.000237	0.00115	1	03/15/2018 16:09	WG1084660
Carbon disulfide	0.000411	J J	0.000255	0.00115	1	03/15/2018 16:09	WG1084660
Carbon tetrachloride	U		0.000378	0.00115	1	03/15/2018 16:09	WG1084660
Chlorobenzene	U		0.000244	0.00115	1	03/15/2018 16:09	WG1084660
Chlorodibromomethane	U		0.000430	0.00115	1	03/15/2018 16:09	WG1084660
Chloroethane	0.00212	J J	0.00109	0.00576	1	03/15/2018 16:09	WG1084660
Chloroform	U		0.000264	0.00576	1	03/15/2018 16:09	WG1084660
Chloromethane	U		0.000432	0.00288	1	03/15/2018 16:09	WG1084660
2-Chlorotoluene	U		0.000347	0.00115	1	03/15/2018 16:09	WG1084660
4-Chlorotoluene	U		0.000277	0.00115	1	03/15/2018 16:09	WG1084660
1,2-Dibromo-3-Chloropropane	U		0.00121	0.00576	1	03/15/2018 16:09	WG1084660
1,2-Dibromoethane	U		0.000395	0.00115	1	03/15/2018 16:09	WG1084660
Dibromomethane	U		0.000440	0.00115	1	03/15/2018 16:09	WG1084660
1,2-Dichlorobenzene	U		0.000352	0.00115	1	03/15/2018 16:09	WG1084660
1,3-Dichlorobenzene	U		0.000275	0.00115	1	03/15/2018 16:09	WG1084660
1,4-Dichlorobenzene	U		0.000260	0.00115	1	03/15/2018 16:09	WG1084660
Dichlorodifluoromethane	U	J0 UJ	0.000822	0.00576	1	03/15/2018 16:09	WG1084660
1,1-Dichloroethane	U		0.000229	0.00115	1	03/15/2018 16:09	WG1084660
1,2-Dichloroethane	U		0.000305	0.00115	1	03/15/2018 16:09	WG1084660
1,1-Dichloroethene	0.000840	J J	0.000349	0.00115	1	03/15/2018 16:09	WG1084660
cis-1,2-Dichloroethene	0.199		0.00684	0.0291	25.25	03/21/2018 15:05	WG1084660
trans-1,2-Dichloroethene	0.00138		0.000304	0.00115	1	03/15/2018 16:09	WG1084660
1,2-Dichloropropane	U		0.000413	0.00115	1	03/15/2018 16:09	WG1084660
1,1-Dichloropropene	U		0.000365	0.00115	1	03/15/2018 16:09	WG1084660
1,3-Dichloropropane	U		0.000239	0.00115	1	03/15/2018 16:09	WG1084660
cis-1,3-Dichloropropene	U		0.000302	0.00115	1	03/15/2018 16:09	WG1084660
trans-1,3-Dichloropropene	U		0.000308	0.00115	1	03/15/2018 16:09	WG1084660
trans-1,4-Dichloro-2-butene	U		0.000897	0.00288	1	03/15/2018 16:09	WG1084660
2,2-Dichloropropane	U		0.000322	0.00115	1	03/15/2018 16:09	WG1084660
Di-isopropyl ether	U		0.000286	0.00115	1	03/15/2018 16:09	WG1084660
Ethylbenzene	U		0.000342	0.00115	1	03/15/2018 16:09	WG1084660
Hexachloro-1,3-butadiene	U		0.000394	0.00115	1	03/15/2018 16:09	WG1084660
2-Hexanone	U		0.00158	0.0115	1	03/15/2018 16:09	WG1084660
n-Hexane	U		0.000334	0.0115	1	03/15/2018 16:09	WG1084660
Iodomethane	U		0.00292	0.0115	1	03/15/2018 16:09	WG1084660
Isopropylbenzene	U		0.000280	0.00115	1	03/15/2018 16:09	WG1084660
p-Isopropyltoluene	U		0.000235	0.00115	1	03/15/2018 16:09	WG1084660
2-Butanone (MEK)	U	J0 UJ	0.00539	0.0115	1	03/15/2018 16:09	WG1084660
Methylene Chloride	U		0.00115	0.00576	1	03/15/2018 16:09	WG1084660
4-Methyl-2-pentanone (MIBK)	U		0.00217	0.0115	1	03/15/2018 16:09	WG1084660

JC 4/10/18

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000244	0.00115	1	03/15/2018 16:09	WG1084660
Naphthalene	U		0.00115	0.00576	1	03/15/2018 16:09	WG1084660
n-Propylbenzene	U		0.000237	0.00115	1	03/15/2018 16:09	WG1084660
Styrene	U		0.000270	0.00115	1	03/15/2018 16:09	WG1084660
1,1,1,2-Tetrachloroethane	U		0.000304	0.00115	1	03/15/2018 16:09	WG1084660
1,1,2,2-Tetrachloroethane	U		0.000421	0.00115	1	03/15/2018 16:09	WG1084660
1,1,2-Trichlorotrifluoroethane	U		0.000421	0.00115	1	03/15/2018 16:09	WG1084660
Tetrachloroethene	1.85		0.00803	0.0291	25.25	03/21/2018 15:05	WG1084660
Toluene	U		0.000500	0.00576	1	03/15/2018 16:09	WG1084660
1,2,3-Trichlorobenzene	U		0.000353	0.00115	1	03/15/2018 16:09	WG1084660
1,2,4-Trichlorobenzene	U		0.000447	0.00115	1	03/15/2018 16:09	WG1084660
1,1,1-Trichloroethane	U		0.000330	0.00115	1	03/15/2018 16:09	WG1084660
1,1,2-Trichloroethane	U		0.000319	0.00115	1	03/15/2018 16:09	WG1084660
Trichloroethene	0.0926		0.000322	0.00115	1	03/15/2018 16:09	WG1084660
Trichlorofluoromethane	U		0.000440	0.00576	1	03/15/2018 16:09	WG1084660
1,2,3-Trichloropropane	U		0.000854	0.00288	1	03/15/2018 16:09	WG1084660
1,2,4-Trimethylbenzene	U		0.000243	0.00115	1	03/15/2018 16:09	WG1084660
1,2,3-Trimethylbenzene	U		0.000331	0.00115	1	03/15/2018 16:09	WG1084660
1,3,5-Trimethylbenzene	U		0.000307	0.00115	1	03/15/2018 16:09	WG1084660
Vinyl acetate	U		0.00275	0.0115	1	03/15/2018 16:09	WG1084660
Vinyl chloride	0.0251		0.000335	0.00115	1	03/15/2018 16:09	WG1084660
Xylenes, Total	U		0.000805	0.00346	1	03/15/2018 16:09	WG1084660
(S) Toluene-d8	*105*			*80.0-120*		*03/21/2018 15:05*	WG1084660
(S) Toluene-d8	*101*			*80.0-120*		*03/15/2018 16:09*	WG1084660
(S) Dibromofluoromethane	*94.7*			*74.0-131*		*03/21/2018 15:05*	WG1084660
(S) Dibromofluoromethane	*109*			*74.0-131*		*03/15/2018 16:09*	WG1084660
(S) 4-Bromofluorobenzene	*92.6*			*64.0-132*		*03/21/2018 15:05*	WG1084660
(S) 4-Bromofluorobenzene	*99.5*			*64.0-132*		*03/15/2018 16:09*	WG1084660

JC 4/10/18

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	88.1		1	03/20/2018 10:08	WG1086140

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U	J0 UJ	0.0113	0.0567	1	03/15/2018 16:29	WG1084660
Acrylonitrile	U		0.00203	0.0113	1	03/15/2018 16:29	WG1084660
Benzene	U		0.000306	0.00113	1	03/15/2018 16:29	WG1084660
Bromobenzene	U		0.000322	0.00113	1	03/15/2018 16:29	WG1084660
Bromodichloromethane	U		0.000288	0.00113	1	03/15/2018 16:29	WG1084660
Bromochloromethane	U		0.000443	0.00567	1	03/15/2018 16:29	WG1084660
Bromoform	U		0.000481	0.00113	1	03/15/2018 16:29	WG1084660
Bromomethane	U		0.00152	0.00567	1	03/15/2018 16:29	WG1084660
n-Butylbenzene	U		0.000293	0.00113	1	03/15/2018 16:29	WG1084660
sec-Butylbenzene	U		0.000228	0.00113	1	03/15/2018 16:29	WG1084660
tert-Butylbenzene	U		0.000234	0.00113	1	03/15/2018 16:29	WG1084660
Carbon disulfide	U		0.000251	0.00113	1	03/15/2018 16:29	WG1084660
Carbon tetrachloride	U		0.000372	0.00113	1	03/15/2018 16:29	WG1084660
Chlorobenzene	U		0.000241	0.00113	1	03/15/2018 16:29	WG1084660
Chlorodibromomethane	U		0.000423	0.00113	1	03/15/2018 16:29	WG1084660
Chloroethane	U		0.00107	0.00567	1	03/15/2018 16:29	WG1084660
Chloroform	U		0.000260	0.00567	1	03/15/2018 16:29	WG1084660
Chloromethane	U		0.000426	0.00284	1	03/15/2018 16:29	WG1084660
2-Chlorotoluene	U		0.000342	0.00113	1	03/15/2018 16:29	WG1084660
4-Chlorotoluene	U		0.000272	0.00113	1	03/15/2018 16:29	WG1084660
1,2-Dibromo-3-Chloropropane	U		0.00119	0.00567	1	03/15/2018 16:29	WG1084660
1,2-Dibromoethane	U		0.000389	0.00113	1	03/15/2018 16:29	WG1084660
Dibromomethane	U		0.000433	0.00113	1	03/15/2018 16:29	WG1084660
1,2-Dichlorobenzene	U		0.000346	0.00113	1	03/15/2018 16:29	WG1084660
1,3-Dichlorobenzene	U		0.000271	0.00113	1	03/15/2018 16:29	WG1084660
1,4-Dichlorobenzene	U		0.000256	0.00113	1	03/15/2018 16:29	WG1084660
Dichlorodifluoromethane	U	J0 UJ	0.000809	0.00567	1	03/15/2018 16:29	WG1084660
1,1-Dichloroethane	U		0.000226	0.00113	1	03/15/2018 16:29	WG1084660
1,2-Dichloroethane	U		0.000301	0.00113	1	03/15/2018 16:29	WG1084660
1,1-Dichloroethene	U		0.000344	0.00113	1	03/15/2018 16:29	WG1084660
cis-1,2-Dichloroethene	0.0107		0.000267	0.00113	1	03/21/2018 14:26	WG1084660
trans-1,2-Dichloroethene	U		0.000300	0.00113	1	03/15/2018 16:29	WG1084660
1,2-Dichloropropane	U		0.000406	0.00113	1	03/15/2018 16:29	WG1084660
1,1-Dichloropropene	U		0.000360	0.00113	1	03/15/2018 16:29	WG1084660
1,3-Dichloropropane	U		0.000235	0.00113	1	03/15/2018 16:29	WG1084660
cis-1,3-Dichloropropene	U		0.000297	0.00113	1	03/15/2018 16:29	WG1084660
trans-1,3-Dichloropropene	U		0.000303	0.00113	1	03/15/2018 16:29	WG1084660
trans-1,4-Dichloro-2-butene	U		0.000883	0.00284	1	03/15/2018 16:29	WG1084660
2,2-Dichloropropane	U		0.000317	0.00113	1	03/15/2018 16:29	WG1084660
Di-isopropyl ether	U		0.000281	0.00113	1	03/15/2018 16:29	WG1084660
Ethylbenzene	U		0.000337	0.00113	1	03/15/2018 16:29	WG1084660
Hexachloro-1,3-butadiene	U		0.000388	0.00113	1	03/15/2018 16:29	WG1084660
2-Hexanone	U		0.00155	0.0113	1	03/15/2018 16:29	WG1084660
n-Hexane	U		0.000329	0.0113	1	03/15/2018 16:29	WG1084660
Iodomethane	U		0.00287	0.0113	1	03/15/2018 16:29	WG1084660
Isopropylbenzene	U		0.000276	0.00113	1	03/15/2018 16:29	WG1084660
p-Isopropyltoluene	U		0.000231	0.00113	1	03/15/2018 16:29	WG1084660
2-Butanone (MEK)	U	J0 UJ	0.00531	0.0113	1	03/15/2018 16:29	WG1084660
Methylene Chloride	U		0.00113	0.00567	1	03/15/2018 16:29	WG1084660
4-Methyl-2-pentanone (MIBK)	U		0.00213	0.0113	1	03/15/2018 16:29	WG1084660

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IW-3C-55

Collected date/time: 03/09/18 10:35

SAMPLE RESULTS - 22

L977245

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000241	0.00113	1	03/15/2018 16:29	WG1084660
Naphthalene	U		0.00113	0.00567	1	03/15/2018 16:29	WG1084660
n-Propylbenzene	U		0.000234	0.00113	1	03/15/2018 16:29	WG1084660
Styrene	U		0.000266	0.00113	1	03/15/2018 16:29	WG1084660
1,1,1,2-Tetrachloroethane	U		0.000300	0.00113	1	03/15/2018 16:29	WG1084660
1,1,2,2-Tetrachloroethane	U		0.000414	0.00113	1	03/15/2018 16:29	WG1084660
1,1,2-Trichlorotrifluoroethane	U		0.000414	0.00113	1	03/15/2018 16:29	WG1084660
Tetrachloroethene	0.0387		0.000313	0.00113	1	03/21/2018 14:26	WG1084660
Toluene	U		0.000492	0.00567	1	03/15/2018 16:29	WG1084660
1,2,3-Trichlorobenzene	U		0.000347	0.00113	1	03/15/2018 16:29	WG1084660
1,2,4-Trichlorobenzene	U		0.000440	0.00113	1	03/15/2018 16:29	WG1084660
1,1,1-Trichloroethane	U		0.000325	0.00113	1	03/15/2018 16:29	WG1084660
1,1,2-Trichloroethane	U		0.000314	0.00113	1	03/15/2018 16:29	WG1084660
Trichloroethene	0.00215		0.000317	0.00113	1	03/15/2018 16:29	WG1084660
Trichlorofluoromethane	U		0.000433	0.00567	1	03/15/2018 16:29	WG1084660
1,2,3-Trichloropropane	U		0.000841	0.00284	1	03/15/2018 16:29	WG1084660
1,2,4-Trimethylbenzene	U		0.000239	0.00113	1	03/15/2018 16:29	WG1084660
1,2,3-Trimethylbenzene	U		0.000326	0.00113	1	03/15/2018 16:29	WG1084660
1,3,5-Trimethylbenzene	U		0.000302	0.00113	1	03/15/2018 16:29	WG1084660
Vinyl acetate	U		0.00271	0.0113	1	03/15/2018 16:29	WG1084660
Vinyl chloride	0.00140		0.000330	0.00113	1	03/15/2018 16:29	WG1084660
Xylenes, Total	U		0.000792	0.00340	1	03/15/2018 16:29	WG1084660
(S) Toluene-d8	*98.7*			*80.0-120*		*03/21/2018 14:26*	WG1084660
(S) Toluene-d8	*97.4*			*80.0-120*		*03/15/2018 16:29*	WG1084660
(S) Dibromofluoromethane	*102*			*74.0-131*		*03/21/2018 14:26*	WG1084660
(S) Dibromofluoromethane	*108*			*74.0-131*		*03/15/2018 16:29*	WG1084660
(S) 4-Bromofluorobenzene	*97.2*			*64.0-132*		*03/15/2018 16:29*	WG1084660
(S) 4-Bromofluorobenzene	*93.8*			*64.0-132*		*03/21/2018 14:26*	WG1084660

JC 4/10/18

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	87.7		1	03/20/2018 10:08	WG1086140

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U	J0 UJ	0.0114	0.0570	1	03/15/2018 16:49	WG1084660
Acrylonitrile	U		0.00204	0.0114	1	03/15/2018 16:49	WG1084660
Benzene	U		0.000308	0.00114	1	03/15/2018 16:49	WG1084660
Bromobenzene	U		0.000324	0.00114	1	03/15/2018 16:49	WG1084660
Bromodichloromethane	U		0.000290	0.00114	1	03/15/2018 16:49	WG1084660
Bromochloromethane	U		0.000445	0.00570	1	03/15/2018 16:49	WG1084660
Bromoform	U		0.000484	0.00114	1	03/15/2018 16:49	WG1084660
Bromomethane	U		0.00153	0.00570	1	03/15/2018 16:49	WG1084660
n-Butylbenzene	U		0.000294	0.00114	1	03/15/2018 16:49	WG1084660
sec-Butylbenzene	U		0.000229	0.00114	1	03/15/2018 16:49	WG1084660
tert-Butylbenzene	U		0.000235	0.00114	1	03/15/2018 16:49	WG1084660
Carbon disulfide	0.000260	J J	0.000252	0.00114	1	03/15/2018 16:49	WG1084660
Carbon tetrachloride	U		0.000374	0.00114	1	03/15/2018 16:49	WG1084660
Chlorobenzene	U		0.000242	0.00114	1	03/15/2018 16:49	WG1084660
Chlorodibromomethane	U		0.000426	0.00114	1	03/15/2018 16:49	WG1084660
Chloroethane	U		0.00108	0.00570	1	03/15/2018 16:49	WG1084660
Chloroform	U		0.000261	0.00570	1	03/15/2018 16:49	WG1084660
Chloromethane	U		0.000428	0.00285	1	03/15/2018 16:49	WG1084660
2-Chlorotoluene	U		0.000343	0.00114	1	03/15/2018 16:49	WG1084660
4-Chlorotoluene	U		0.000274	0.00114	1	03/15/2018 16:49	WG1084660
1,2-Dibromo-3-Chloropropane	U		0.00120	0.00570	1	03/15/2018 16:49	WG1084660
1,2-Dibromoethane	U		0.000391	0.00114	1	03/15/2018 16:49	WG1084660
Dibromomethane	U		0.000436	0.00114	1	03/15/2018 16:49	WG1084660
1,2-Dichlorobenzene	U		0.000348	0.00114	1	03/15/2018 16:49	WG1084660
1,3-Dichlorobenzene	U		0.000273	0.00114	1	03/15/2018 16:49	WG1084660
1,4-Dichlorobenzene	U		0.000258	0.00114	1	03/15/2018 16:49	WG1084660
Dichlorodifluoromethane	U	J0 UJ	0.000813	0.00570	1	03/15/2018 16:49	WG1084660
1,1-Dichloroethane	U		0.000227	0.00114	1	03/15/2018 16:49	WG1084660
1,2-Dichloroethane	U		0.000302	0.00114	1	03/15/2018 16:49	WG1084660
1,1-Dichloroethene	U		0.000346	0.00114	1	03/15/2018 16:49	WG1084660
cis-1,2-Dichloroethene	0.141		0.00671	0.0285	25	03/21/2018 15:24	WG1084660
trans-1,2-Dichloroethene	U		0.000301	0.00114	1	03/15/2018 16:49	WG1084660
1,2-Dichloropropane	U		0.000408	0.00114	1	03/15/2018 16:49	WG1084660
1,1-Dichloropropene	U		0.000362	0.00114	1	03/15/2018 16:49	WG1084660
1,3-Dichloropropane	U		0.000236	0.00114	1	03/15/2018 16:49	WG1084660
cis-1,3-Dichloropropene	U		0.000299	0.00114	1	03/15/2018 16:49	WG1084660
trans-1,3-Dichloropropene	U		0.000305	0.00114	1	03/15/2018 16:49	WG1084660
trans-1,4-Dichloro-2-butene	U		0.000888	0.00285	1	03/15/2018 16:49	WG1084660
2,2-Dichloropropane	U		0.000318	0.00114	1	03/15/2018 16:49	WG1084660
Di-isopropyl ether	U		0.000283	0.00114	1	03/15/2018 16:49	WG1084660
Ethylbenzene	U		0.000339	0.00114	1	03/15/2018 16:49	WG1084660
Hexachloro-1,3-butadiene	U		0.000390	0.00114	1	03/15/2018 16:49	WG1084660
2-Hexanone	U		0.00156	0.0114	1	03/15/2018 16:49	WG1084660
n-Hexane	U		0.000331	0.0114	1	03/15/2018 16:49	WG1084660
Iodomethane	U		0.00289	0.0114	1	03/15/2018 16:49	WG1084660
Isopropylbenzene	U		0.000277	0.00114	1	03/15/2018 16:49	WG1084660
p-Isopropyltoluene	U		0.000233	0.00114	1	03/15/2018 16:49	WG1084660
2-Butanone (MEK)	U	J0 UJ	0.00534	0.0114	1	03/15/2018 16:49	WG1084660
Methylene Chloride	U		0.00114	0.00570	1	03/15/2018 16:49	WG1084660
4-Methyl-2-pentanone (MIBK)	U		0.00214	0.0114	1	03/15/2018 16:49	WG1084660

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000242	0.00114	1	03/15/2018 16:49	WG1084660
Naphthalene	U		0.00114	0.00570	1	03/15/2018 16:49	WG1084660
n-Propylbenzene	U		0.000235	0.00114	1	03/15/2018 16:49	WG1084660
Styrene	U		0.000267	0.00114	1	03/15/2018 16:49	WG1084660
1,1,1,2-Tetrachloroethane	U		0.000301	0.00114	1	03/15/2018 16:49	WG1084660
1,1,2,2-Tetrachloroethane	U		0.000416	0.00114	1	03/15/2018 16:49	WG1084660
1,1,2-Trichlorotrifluoroethane	U		0.000416	0.00114	1	03/15/2018 16:49	WG1084660
Tetrachloroethene	0.0830		0.000315	0.00114	1	03/15/2018 16:49	WG1084660
Toluene	U		0.000495	0.00570	1	03/15/2018 16:49	WG1084660
1,2,3-Trichlorobenzene	U		0.000349	0.00114	1	03/15/2018 16:49	WG1084660
1,2,4-Trichlorobenzene	U		0.000443	0.00114	1	03/15/2018 16:49	WG1084660
1,1,1-Trichloroethane	U		0.000326	0.00114	1	03/15/2018 16:49	WG1084660
1,1,2-Trichloroethane	U		0.000316	0.00114	1	03/15/2018 16:49	WG1084660
Trichloroethene	0.0128		0.000318	0.00114	1	03/15/2018 16:49	WG1084660
Trichlorofluoromethane	U		0.000436	0.00570	1	03/15/2018 16:49	WG1084660
1,2,3-Trichloropropane	U		0.000845	0.00285	1	03/15/2018 16:49	WG1084660
1,2,4-Trimethylbenzene	U		0.000241	0.00114	1	03/15/2018 16:49	WG1084660
1,2,3-Trimethylbenzene	U		0.000327	0.00114	1	03/15/2018 16:49	WG1084660
1,3,5-Trimethylbenzene	U		0.000303	0.00114	1	03/15/2018 16:49	WG1084660
Vinyl acetate	U		0.00273	0.0114	1	03/15/2018 16:49	WG1084660
Vinyl chloride	0.00726		0.000332	0.00114	1	03/15/2018 16:49	WG1084660
Xylenes, Total	U		0.000796	0.00342	1	03/15/2018 16:49	WG1084660
(S) Toluene-d8	*96.2*			*80.0-120*		*03/15/2018 16:49*	WG1084660
(S) Toluene-d8	*107*			*80.0-120*		*03/21/2018 15:24*	WG1084660
(S) Dibromofluoromethane	*99.2*			*74.0-131*		*03/21/2018 15:24*	WG1084660
(S) Dibromofluoromethane	*111*			*74.0-131*		*03/15/2018 16:49*	WG1084660
(S) 4-Bromofluorobenzene	*96.5*			*64.0-132*		*03/15/2018 16:49*	WG1084660
(S) 4-Bromofluorobenzene	*90.7*			*64.0-132*		*03/21/2018 15:24*	WG1084660

JC 4/10/18

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	79.9		1	03/20/2018 10:08	WG1086140

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U	J0 UJ	0.0125	0.0626	1	03/15/2018 17:09	WG1084660
Acrylonitrile	U		0.00224	0.0125	1	03/15/2018 17:09	WG1084660
Benzene	U		0.000338	0.00125	1	03/15/2018 17:09	WG1084660
Bromobenzene	U		0.000356	0.00125	1	03/15/2018 17:09	WG1084660
Bromodichloromethane	U		0.000318	0.00125	1	03/15/2018 17:09	WG1084660
Bromochloromethane	U		0.000488	0.00626	1	03/15/2018 17:09	WG1084660
Bromoform	U		0.000531	0.00125	1	03/15/2018 17:09	WG1084660
Bromomethane	U		0.00168	0.00626	1	03/15/2018 17:09	WG1084660
n-Butylbenzene	U		0.000323	0.00125	1	03/15/2018 17:09	WG1084660
sec-Butylbenzene	U		0.000252	0.00125	1	03/15/2018 17:09	WG1084660
tert-Butylbenzene	U		0.000258	0.00125	1	03/15/2018 17:09	WG1084660
Carbon disulfide	0.000306	J J	0.000277	0.00125	1	03/15/2018 17:09	WG1084660
Carbon tetrachloride	U		0.000411	0.00125	1	03/15/2018 17:09	WG1084660
Chlorobenzene	U		0.000265	0.00125	1	03/15/2018 17:09	WG1084660
Chlorodibromomethane	U		0.000467	0.00125	1	03/15/2018 17:09	WG1084660
Chloroethane	U		0.00118	0.00626	1	03/15/2018 17:09	WG1084660
Chloroform	U		0.000287	0.00626	1	03/15/2018 17:09	WG1084660
Chloromethane	U		0.000470	0.00313	1	03/15/2018 17:09	WG1084660
2-Chlorotoluene	U		0.000377	0.00125	1	03/15/2018 17:09	WG1084660
4-Chlorotoluene	U		0.000300	0.00125	1	03/15/2018 17:09	WG1084660
1,2-Dibromo-3-Chloropropane	U		0.00131	0.00626	1	03/15/2018 17:09	WG1084660
1,2-Dibromoethane	U		0.000429	0.00125	1	03/15/2018 17:09	WG1084660
Dibromomethane	U		0.000478	0.00125	1	03/15/2018 17:09	WG1084660
1,2-Dichlorobenzene	U		0.000382	0.00125	1	03/15/2018 17:09	WG1084660
1,3-Dichlorobenzene	U		0.000299	0.00125	1	03/15/2018 17:09	WG1084660
1,4-Dichlorobenzene	U		0.000283	0.00125	1	03/15/2018 17:09	WG1084660
Dichlorodifluoromethane	U	J0 UJ	0.000893	0.00626	1	03/15/2018 17:09	WG1084660
1,1-Dichloroethane	U		0.000249	0.00125	1	03/15/2018 17:09	WG1084660
1,2-Dichloroethane	U		0.000332	0.00125	1	03/15/2018 17:09	WG1084660
1,1-Dichloroethene	U		0.000379	0.00125	1	03/15/2018 17:09	WG1084660
cis-1,2-Dichloroethene	0.131		0.000294	0.00125	1	03/15/2018 17:09	WG1084660
trans-1,2-Dichloroethene	U		0.000331	0.00125	1	03/15/2018 17:09	WG1084660
1,2-Dichloropropane	U		0.000448	0.00125	1	03/15/2018 17:09	WG1084660
1,1-Dichloropropene	U		0.000397	0.00125	1	03/15/2018 17:09	WG1084660
1,3-Dichloropropane	U		0.000259	0.00125	1	03/15/2018 17:09	WG1084660
cis-1,3-Dichloropropene	U		0.000328	0.00125	1	03/15/2018 17:09	WG1084660
trans-1,3-Dichloropropene	U		0.000334	0.00125	1	03/15/2018 17:09	WG1084660
trans-1,4-Dichloro-2-butene	U		0.000974	0.00313	1	03/15/2018 17:09	WG1084660
2,2-Dichloropropane	U		0.000349	0.00125	1	03/15/2018 17:09	WG1084660
Di-isopropyl ether	U		0.000311	0.00125	1	03/15/2018 17:09	WG1084660
Ethylbenzene	U		0.000372	0.00125	1	03/15/2018 17:09	WG1084660
Hexachloro-1,3-butadiene	U		0.000428	0.00125	1	03/15/2018 17:09	WG1084660
2-Hexanone	U		0.00172	0.0125	1	03/15/2018 17:09	WG1084660
n-Hexane	U		0.000363	0.0125	1	03/15/2018 17:09	WG1084660
Iodomethane	U		0.00317	0.0125	1	03/15/2018 17:09	WG1084660
Isopropylbenzene	U		0.000304	0.00125	1	03/15/2018 17:09	WG1084660
p-Isopropyltoluene	U		0.000255	0.00125	1	03/15/2018 17:09	WG1084660
2-Butanone (MEK)	U	J0 UJ	0.00586	0.0125	1	03/15/2018 17:09	WG1084660
Methylene Chloride	U		0.00125	0.00626	1	03/15/2018 17:09	WG1084660
4-Methyl-2-pentanone (MIBK)	U		0.00235	0.0125	1	03/15/2018 17:09	WG1084660

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000265	0.00125	1	03/15/2018 17:09	WG1084660
Naphthalene	U		0.00125	0.00626	1	03/15/2018 17:09	WG1084660
n-Propylbenzene	U		0.000258	0.00125	1	03/15/2018 17:09	WG1084660
Styrene	U		0.000293	0.00125	1	03/15/2018 17:09	WG1084660
1,1,1,2-Tetrachloroethane	U		0.000331	0.00125	1	03/15/2018 17:09	WG1084660
1,1,2,2-Tetrachloroethane	U		0.000457	0.00125	1	03/15/2018 17:09	WG1084660
1,1,2-Trichlorotrifluoroethane	U		0.000457	0.00125	1	03/15/2018 17:09	WG1084660
Tetrachloroethene	0.0413		0.000346	0.00125	1	03/15/2018 17:09	WG1084660
Toluene	U		0.000543	0.00626	1	03/15/2018 17:09	WG1084660
1,2,3-Trichlorobenzene	U		0.000383	0.00125	1	03/15/2018 17:09	WG1084660
1,2,4-Trichlorobenzene	U		0.000486	0.00125	1	03/15/2018 17:09	WG1084660
1,1,1-Trichloroethane	U		0.000358	0.00125	1	03/15/2018 17:09	WG1084660
1,1,2-Trichloroethane	U		0.000347	0.00125	1	03/15/2018 17:09	WG1084660
Trichloroethene	0.00631		0.000349	0.00125	1	03/15/2018 17:09	WG1084660
Trichlorofluoromethane	U		0.000478	0.00626	1	03/15/2018 17:09	WG1084660
1,2,3-Trichloropropane	U		0.000928	0.00313	1	03/15/2018 17:09	WG1084660
1,2,4-Trimethylbenzene	U		0.000264	0.00125	1	03/15/2018 17:09	WG1084660
1,2,3-Trimethylbenzene	U		0.000359	0.00125	1	03/15/2018 17:09	WG1084660
1,3,5-Trimethylbenzene	U		0.000333	0.00125	1	03/15/2018 17:09	WG1084660
Vinyl acetate	U		0.00299	0.0125	1	03/15/2018 17:09	WG1084660
Vinyl chloride	0.00484		0.000364	0.00125	1	03/15/2018 17:09	WG1084660
Xylenes, Total	U		0.000874	0.00376	1	03/15/2018 17:09	WG1084660
(S) Toluene-d8	*97.4*			*80.0-120*		*03/15/2018 17:09*	WG1084660
(S) Dibromofluoromethane	*118*			*74.0-131*		*03/15/2018 17:09*	WG1084660
(S) 4-Bromofluorobenzene	*98.2*			*64.0-132*		*03/15/2018 17:09*	WG1084660

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Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	86.1		1	03/20/2018 10:08	WG1086140

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U	J0 UJ	0.0116	0.0581	1	03/15/2018 17:29	WG1084660
Acrylonitrile	U		0.00208	0.0116	1	03/15/2018 17:29	WG1084660
Benzene	U		0.000314	0.00116	1	03/15/2018 17:29	WG1084660
Bromobenzene	U		0.000330	0.00116	1	03/15/2018 17:29	WG1084660
Bromodichloromethane	U		0.000295	0.00116	1	03/15/2018 17:29	WG1084660
Bromochloromethane	U		0.000453	0.00581	1	03/15/2018 17:29	WG1084660
Bromoform	U		0.000493	0.00116	1	03/15/2018 17:29	WG1084660
Bromomethane	U		0.00156	0.00581	1	03/15/2018 17:29	WG1084660
n-Butylbenzene	U		0.000300	0.00116	1	03/15/2018 17:29	WG1084660
sec-Butylbenzene	U		0.000233	0.00116	1	03/15/2018 17:29	WG1084660
tert-Butylbenzene	U		0.000239	0.00116	1	03/15/2018 17:29	WG1084660
Carbon disulfide	U		0.000257	0.00116	1	03/15/2018 17:29	WG1084660
Carbon tetrachloride	U		0.000381	0.00116	1	03/15/2018 17:29	WG1084660
Chlorobenzene	U		0.000246	0.00116	1	03/15/2018 17:29	WG1084660
Chlorodibromomethane	U		0.000433	0.00116	1	03/15/2018 17:29	WG1084660
Chloroethane	U		0.00110	0.00581	1	03/15/2018 17:29	WG1084660
Chloroform	U		0.000266	0.00581	1	03/15/2018 17:29	WG1084660
Chloromethane	U		0.000436	0.00290	1	03/15/2018 17:29	WG1084660
2-Chlorotoluene	U		0.000350	0.00116	1	03/15/2018 17:29	WG1084660
4-Chlorotoluene	U		0.000279	0.00116	1	03/15/2018 17:29	WG1084660
1,2-Dibromo-3-Chloropropane	U		0.00122	0.00581	1	03/15/2018 17:29	WG1084660
1,2-Dibromoethane	U		0.000398	0.00116	1	03/15/2018 17:29	WG1084660
Dibromomethane	U		0.000444	0.00116	1	03/15/2018 17:29	WG1084660
1,2-Dichlorobenzene	U		0.000354	0.00116	1	03/15/2018 17:29	WG1084660
1,3-Dichlorobenzene	U		0.000278	0.00116	1	03/15/2018 17:29	WG1084660
1,4-Dichlorobenzene	U		0.000263	0.00116	1	03/15/2018 17:29	WG1084660
Dichlorodifluoromethane	U	J0 UJ	0.000828	0.00581	1	03/15/2018 17:29	WG1084660
1,1-Dichloroethane	U		0.000231	0.00116	1	03/15/2018 17:29	WG1084660
1,2-Dichloroethane	U		0.000308	0.00116	1	03/15/2018 17:29	WG1084660
1,1-Dichloroethene	U		0.000352	0.00116	1	03/15/2018 17:29	WG1084660
cis-1,2-Dichloroethene	0.00195		0.000273	0.00116	1	03/15/2018 17:29	WG1084660
trans-1,2-Dichloroethene	U		0.000307	0.00116	1	03/15/2018 17:29	WG1084660
1,2-Dichloropropane	U		0.000416	0.00116	1	03/15/2018 17:29	WG1084660
1,1-Dichloropropene	U		0.000368	0.00116	1	03/15/2018 17:29	WG1084660
1,3-Dichloropropane	U		0.000240	0.00116	1	03/15/2018 17:29	WG1084660
cis-1,3-Dichloropropene	U		0.000304	0.00116	1	03/15/2018 17:29	WG1084660
trans-1,3-Dichloropropene	U		0.000310	0.00116	1	03/15/2018 17:29	WG1084660
trans-1,4-Dichloro-2-butene	U		0.000904	0.00290	1	03/15/2018 17:29	WG1084660
2,2-Dichloropropane	U		0.000324	0.00116	1	03/15/2018 17:29	WG1084660
Di-isopropyl ether	U		0.000288	0.00116	1	03/15/2018 17:29	WG1084660
Ethylbenzene	U		0.000345	0.00116	1	03/15/2018 17:29	WG1084660
Hexachloro-1,3-butadiene	U		0.000397	0.00116	1	03/15/2018 17:29	WG1084660
2-Hexanone	U		0.00159	0.0116	1	03/15/2018 17:29	WG1084660
n-Hexane	U		0.000337	0.0116	1	03/15/2018 17:29	WG1084660
Iodomethane	U		0.00294	0.0116	1	03/15/2018 17:29	WG1084660
Isopropylbenzene	U		0.000282	0.00116	1	03/15/2018 17:29	WG1084660
p-Isopropyltoluene	U		0.000237	0.00116	1	03/15/2018 17:29	WG1084660
2-Butanone (MEK)	U	J0 UJ	0.00544	0.0116	1	03/15/2018 17:29	WG1084660
Methylene Chloride	U		0.00116	0.00581	1	03/15/2018 17:29	WG1084660
4-Methyl-2-pentanone (MIBK)	U		0.00218	0.0116	1	03/15/2018 17:29	WG1084660

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000246	0.00116	1	03/15/2018 17:29	WG1084660
Naphthalene	U		0.00116	0.00581	1	03/15/2018 17:29	WG1084660
n-Propylbenzene	U		0.000239	0.00116	1	03/15/2018 17:29	WG1084660
Styrene	U		0.000272	0.00116	1	03/15/2018 17:29	WG1084660
1,1,1,2-Tetrachloroethane	U		0.000307	0.00116	1	03/15/2018 17:29	WG1084660
1,1,2,2-Tetrachloroethane	U		0.000424	0.00116	1	03/15/2018 17:29	WG1084660
1,1,2-Trichlorotrifluoroethane	U		0.000424	0.00116	1	03/15/2018 17:29	WG1084660
Tetrachloroethene	0.00138		0.000321	0.00116	1	03/15/2018 17:29	WG1084660
Toluene	U		0.000504	0.00581	1	03/15/2018 17:29	WG1084660
1,2,3-Trichlorobenzene	U		0.000355	0.00116	1	03/15/2018 17:29	WG1084660
1,2,4-Trichlorobenzene	U		0.000451	0.00116	1	03/15/2018 17:29	WG1084660
1,1,1-Trichloroethane	U		0.000332	0.00116	1	03/15/2018 17:29	WG1084660
1,1,2-Trichloroethane	U		0.000322	0.00116	1	03/15/2018 17:29	WG1084660
Trichloroethene	U		0.000324	0.00116	1	03/15/2018 17:29	WG1084660
Trichlorofluoromethane	U		0.000444	0.00581	1	03/15/2018 17:29	WG1084660
1,2,3-Trichloropropane	U		0.000861	0.00290	1	03/15/2018 17:29	WG1084660
1,2,4-Trimethylbenzene	U		0.000245	0.00116	1	03/15/2018 17:29	WG1084660
1,2,3-Trimethylbenzene	U		0.000333	0.00116	1	03/15/2018 17:29	WG1084660
1,3,5-Trimethylbenzene	U		0.000309	0.00116	1	03/15/2018 17:29	WG1084660
Vinyl acetate	U		0.00278	0.0116	1	03/15/2018 17:29	WG1084660
Vinyl chloride	U		0.000338	0.00116	1	03/15/2018 17:29	WG1084660
Xylenes, Total	U		0.000811	0.00348	1	03/15/2018 17:29	WG1084660
(S) Toluene-d8	*110*			*80.0-120*		*03/15/2018 17:29*	WG1084660
(S) Dibromofluoromethane	*117*			*74.0-131*		*03/15/2018 17:29*	WG1084660
(S) 4-Bromofluorobenzene	*96.8*			*64.0-132*		*03/15/2018 17:29*	WG1084660

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1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

IW-901-79

Collected date/time: 03/09/18 13:10

SAMPLE RESULTS - 26

L977245

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	86.4		1	03/20/2018 10:08	WG1086140

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U	J0 UJ	0.0116	0.0578	1	03/15/2018 17:49	WG1084660
Acrylonitrile	U		0.00207	0.0116	1	03/15/2018 17:49	WG1084660
Benzene	U		0.000312	0.00116	1	03/15/2018 17:49	WG1084660
Bromobenzene	U		0.000329	0.00116	1	03/15/2018 17:49	WG1084660
Bromodichloromethane	U		0.000294	0.00116	1	03/15/2018 17:49	WG1084660
Bromochloromethane	U		0.000451	0.00578	1	03/15/2018 17:49	WG1084660
Bromoform	U		0.000490	0.00116	1	03/15/2018 17:49	WG1084660
Bromomethane	U		0.00155	0.00578	1	03/15/2018 17:49	WG1084660
n-Butylbenzene	U		0.000298	0.00116	1	03/15/2018 17:49	WG1084660
sec-Butylbenzene	U		0.000233	0.00116	1	03/15/2018 17:49	WG1084660
tert-Butylbenzene	U		0.000238	0.00116	1	03/15/2018 17:49	WG1084660
Carbon disulfide	U		0.000256	0.00116	1	03/15/2018 17:49	WG1084660
Carbon tetrachloride	U		0.000379	0.00116	1	03/15/2018 17:49	WG1084660
Chlorobenzene	U		0.000245	0.00116	1	03/15/2018 17:49	WG1084660
Chlorodibromomethane	U		0.000431	0.00116	1	03/15/2018 17:49	WG1084660
Chloroethane	U		0.00109	0.00578	1	03/15/2018 17:49	WG1084660
Chloroform	U		0.000265	0.00578	1	03/15/2018 17:49	WG1084660
Chloromethane	U		0.000434	0.00289	1	03/15/2018 17:49	WG1084660
2-Chlorotoluene	U		0.000348	0.00116	1	03/15/2018 17:49	WG1084660
4-Chlorotoluene	U		0.000278	0.00116	1	03/15/2018 17:49	WG1084660
1,2-Dibromo-3-Chloropropane	U		0.00121	0.00578	1	03/15/2018 17:49	WG1084660
1,2-Dibromoethane	U		0.000397	0.00116	1	03/15/2018 17:49	WG1084660
Dibromomethane	U		0.000442	0.00116	1	03/15/2018 17:49	WG1084660
1,2-Dichlorobenzene	U		0.000353	0.00116	1	03/15/2018 17:49	WG1084660
1,3-Dichlorobenzene	U		0.000276	0.00116	1	03/15/2018 17:49	WG1084660
1,4-Dichlorobenzene	U		0.000261	0.00116	1	03/15/2018 17:49	WG1084660
Dichlorodifluoromethane	U	J0 UJ	0.000825	0.00578	1	03/15/2018 17:49	WG1084660
1,1-Dichloroethane	U		0.000230	0.00116	1	03/15/2018 17:49	WG1084660
1,2-Dichloroethane	U		0.000307	0.00116	1	03/15/2018 17:49	WG1084660
1,1-Dichloroethene	U		0.000351	0.00116	1	03/15/2018 17:49	WG1084660
cis-1,2-Dichloroethene	U		0.000272	0.00116	1	03/15/2018 17:49	WG1084660
trans-1,2-Dichloroethene	U		0.000305	0.00116	1	03/15/2018 17:49	WG1084660
1,2-Dichloropropane	U		0.000414	0.00116	1	03/15/2018 17:49	WG1084660
1,1-Dichloropropene	U		0.000367	0.00116	1	03/15/2018 17:49	WG1084660
1,3-Dichloropropane	U		0.000239	0.00116	1	03/15/2018 17:49	WG1084660
cis-1,3-Dichloropropene	U		0.000303	0.00116	1	03/15/2018 17:49	WG1084660
trans-1,3-Dichloropropene	U		0.000309	0.00116	1	03/15/2018 17:49	WG1084660
trans-1,4-Dichloro-2-butene	U		0.000900	0.00289	1	03/15/2018 17:49	WG1084660
2,2-Dichloropropane	U		0.000323	0.00116	1	03/15/2018 17:49	WG1084660
Di-isopropyl ether	U		0.000287	0.00116	1	03/15/2018 17:49	WG1084660
Ethylbenzene	U		0.000344	0.00116	1	03/15/2018 17:49	WG1084660
Hexachloro-1,3-butadiene	U		0.000396	0.00116	1	03/15/2018 17:49	WG1084660
2-Hexanone	U		0.00158	0.0116	1	03/15/2018 17:49	WG1084660
n-Hexane	U		0.000335	0.0116	1	03/15/2018 17:49	WG1084660
Iodomethane	U		0.00293	0.0116	1	03/15/2018 17:49	WG1084660
Isopropylbenzene	U		0.000281	0.00116	1	03/15/2018 17:49	WG1084660
p-Isopropyltoluene	U		0.000236	0.00116	1	03/15/2018 17:49	WG1084660
2-Butanone (MEK)	U	J0 UJ	0.00541	0.0116	1	03/15/2018 17:49	WG1084660
Methylene Chloride	U		0.00116	0.00578	1	03/15/2018 17:49	WG1084660
4-Methyl-2-pentanone (MIBK)	U		0.00217	0.0116	1	03/15/2018 17:49	WG1084660

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000245	0.00116	1	03/15/2018 17:49	WG1084660
Naphthalene	U		0.00116	0.00578	1	03/15/2018 17:49	WG1084660
n-Propylbenzene	U		0.000238	0.00116	1	03/15/2018 17:49	WG1084660
Styrene	U		0.000271	0.00116	1	03/15/2018 17:49	WG1084660
1,1,1,2-Tetrachloroethane	U		0.000305	0.00116	1	03/15/2018 17:49	WG1084660
1,1,2,2-Tetrachloroethane	U		0.000422	0.00116	1	03/15/2018 17:49	WG1084660
1,1,2-Trichlorotrifluoroethane	U		0.000422	0.00116	1	03/15/2018 17:49	WG1084660
Tetrachloroethene	U		0.000319	0.00116	1	03/15/2018 17:49	WG1084660
Toluene	U		0.000502	0.00578	1	03/15/2018 17:49	WG1084660
1,2,3-Trichlorobenzene	U		0.000354	0.00116	1	03/15/2018 17:49	WG1084660
1,2,4-Trichlorobenzene	U		0.000449	0.00116	1	03/15/2018 17:49	WG1084660
1,1,1-Trichloroethane	U		0.000331	0.00116	1	03/15/2018 17:49	WG1084660
1,1,2-Trichloroethane	U		0.000320	0.00116	1	03/15/2018 17:49	WG1084660
Trichloroethene	U		0.000323	0.00116	1	03/15/2018 17:49	WG1084660
Trichlorofluoromethane	U		0.000442	0.00578	1	03/15/2018 17:49	WG1084660
1,2,3-Trichloropropane	U		0.000857	0.00289	1	03/15/2018 17:49	WG1084660
1,2,4-Trimethylbenzene	U		0.000244	0.00116	1	03/15/2018 17:49	WG1084660
1,2,3-Trimethylbenzene	U		0.000332	0.00116	1	03/15/2018 17:49	WG1084660
1,3,5-Trimethylbenzene	U		0.000308	0.00116	1	03/15/2018 17:49	WG1084660
Vinyl acetate	U		0.00276	0.0116	1	03/15/2018 17:49	WG1084660
Vinyl chloride	U		0.000337	0.00116	1	03/15/2018 17:49	WG1084660
Xylenes, Total	U		0.000807	0.00347	1	03/15/2018 17:49	WG1084660
(S) Toluene-d8	*97.4*			*80.0-120*		*03/15/2018 17:49*	WG1084660
(S) Dibromofluoromethane	*111*			*74.0-131*		*03/15/2018 17:49*	WG1084660
(S) 4-Bromofluorobenzene	*95.4*			*64.0-132*		*03/15/2018 17:49*	WG1084660

JC 4/10/18

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U	J0 UJ	1.05	25.0	1	03/14/2018 20:53	WG1084690
Acrylonitrile	U		0.873	5.00	1	03/14/2018 20:53	WG1084690
Benzene	U		0.0896	0.500	1	03/14/2018 20:53	WG1084690
Bromobenzene	U		0.133	0.500	1	03/14/2018 20:53	WG1084690
Bromodichloromethane	U		0.0800	0.500	1	03/14/2018 20:53	WG1084690
Bromochloromethane	U		0.145	0.500	1	03/14/2018 20:53	WG1084690
Bromoform	U		0.186	0.500	1	03/14/2018 20:53	WG1084690
Bromomethane	U		0.157	2.50	1	03/14/2018 20:53	WG1084690
n-Butylbenzene	U		0.143	0.500	1	03/14/2018 20:53	WG1084690
sec-Butylbenzene	U		0.134	0.500	1	03/14/2018 20:53	WG1084690
tert-Butylbenzene	U		0.183	0.500	1	03/14/2018 20:53	WG1084690
Carbon disulfide	U		0.101	0.500	1	03/14/2018 20:53	WG1084690
Carbon tetrachloride	U		0.159	0.500	1	03/14/2018 20:53	WG1084690
Chlorobenzene	U		0.140	0.500	1	03/14/2018 20:53	WG1084690
Chlorodibromomethane	U		0.128	0.500	1	03/14/2018 20:53	WG1084690
Chloroethane	U		0.141	2.50	1	03/14/2018 20:53	WG1084690
Chloroform	U		0.0860	0.500	1	03/14/2018 20:53	WG1084690
Chloromethane	U		0.153	1.25	1	03/14/2018 20:53	WG1084690
2-Chlorotoluene	U		0.111	0.500	1	03/14/2018 20:53	WG1084690
4-Chlorotoluene	U		0.0972	0.500	1	03/14/2018 20:53	WG1084690
1,2-Dibromo-3-Chloropropane	U	J4	0.325	2.50	1	03/14/2018 20:53	WG1084690
1,2-Dibromoethane	U		0.193	0.500	1	03/14/2018 20:53	WG1084690
Dibromomethane	U		0.117	0.500	1	03/14/2018 20:53	WG1084690
1,2-Dichlorobenzene	U		0.101	0.500	1	03/14/2018 20:53	WG1084690
1,3-Dichlorobenzene	U		0.130	0.500	1	03/14/2018 20:53	WG1084690
1,4-Dichlorobenzene	U		0.121	0.500	1	03/14/2018 20:53	WG1084690
Dichlorodifluoromethane	U		0.127	2.50	1	03/14/2018 20:53	WG1084690
1,1-Dichloroethane	U		0.114	0.500	1	03/14/2018 20:53	WG1084690
1,2-Dichloroethane	U		0.108	0.500	1	03/14/2018 20:53	WG1084690
1,1-Dichloroethene	U		0.188	0.500	1	03/14/2018 20:53	WG1084690
cis-1,2-Dichloroethene	U		0.0933	0.500	1	03/14/2018 20:53	WG1084690
trans-1,2-Dichloroethene	U		0.152	0.500	1	03/14/2018 20:53	WG1084690
1,2-Dichloropropane	U		0.190	0.500	1	03/14/2018 20:53	WG1084690
1,1-Dichloropropene	U		0.128	0.500	1	03/14/2018 20:53	WG1084690
1,3-Dichloropropane	U		0.147	1.00	1	03/14/2018 20:53	WG1084690
cis-1,3-Dichloropropene	U		0.0976	0.500	1	03/14/2018 20:53	WG1084690
trans-1,3-Dichloropropene	U		0.222	0.500	1	03/14/2018 20:53	WG1084690
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	03/14/2018 20:53	WG1084690
2,2-Dichloropropane	U		0.0929	0.500	1	03/14/2018 20:53	WG1084690
Di-isopropyl ether	U		0.0924	0.500	1	03/14/2018 20:53	WG1084690
Ethylbenzene	U		0.158	0.500	1	03/14/2018 20:53	WG1084690
Hexachloro-1,3-butadiene	U		0.157	1.00	1	03/14/2018 20:53	WG1084690
2-Hexanone	U		0.757	5.00	1	03/14/2018 20:53	WG1084690
n-Hexane	U		0.305	5.00	1	03/14/2018 20:53	WG1084690
Iodomethane	U		0.377	10.0	1	03/14/2018 20:53	WG1084690
Isopropylbenzene	U		0.126	0.500	1	03/14/2018 20:53	WG1084690
p-Isopropyltoluene	U		0.138	0.500	1	03/14/2018 20:53	WG1084690
2-Butanone (MEK)	U		1.28	5.00	1	03/14/2018 20:53	WG1084690
Methylene Chloride	U		1.07	2.50	1	03/14/2018 20:53	WG1084690
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	03/14/2018 20:53	WG1084690
Methyl tert-butyl ether	U		0.102	0.500	1	03/14/2018 20:53	WG1084690
Naphthalene	U		0.174	2.50	1	03/14/2018 20:53	WG1084690
n-Propylbenzene	U		0.162	0.500	1	03/14/2018 20:53	WG1084690
Styrene	U		0.117	0.500	1	03/14/2018 20:53	WG1084690
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	03/14/2018 20:53	WG1084690
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	03/14/2018 20:53	WG1084690

JC 4/10/18

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	03/14/2018 20:53	WG1084690
Tetrachloroethene	U		0.199	0.500	1	03/14/2018 20:53	WG1084690
Toluene	U		0.412	0.500	1	03/14/2018 20:53	WG1084690
1,2,3-Trichlorobenzene	U		0.164	0.500	1	03/14/2018 20:53	WG1084690
1,2,4-Trichlorobenzene	U		0.355	0.500	1	03/14/2018 20:53	WG1084690
1,1,1-Trichloroethane	U		0.0940	0.500	1	03/14/2018 20:53	WG1084690
1,1,2-Trichloroethane	U		0.186	0.500	1	03/14/2018 20:53	WG1084690
Trichloroethene	U		0.153	0.500	1	03/14/2018 20:53	WG1084690
Trichlorofluoromethane	U		0.130	2.50	1	03/14/2018 20:53	WG1084690
1,2,3-Trichloropropane	U		0.247	2.50	1	03/14/2018 20:53	WG1084690
1,2,4-Trimethylbenzene	U		0.123	0.500	1	03/14/2018 20:53	WG1084690
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	03/14/2018 20:53	WG1084690
1,3,5-Trimethylbenzene	U		0.124	0.500	1	03/14/2018 20:53	WG1084690
Vinyl acetate	U	J4	0.645	5.00	1	03/14/2018 20:53	WG1084690
Vinyl chloride	U		0.118	0.500	1	03/14/2018 20:53	WG1084690
Xylenes, Total	U		0.316	1.50	1	03/14/2018 20:53	WG1084690
(S) Toluene-d8	*102*			*80.0-120*		*03/14/2018 20:53*	WG1084690
(S) Dibromofluoromethane	*99.7*			*76.0-123*		*03/14/2018 20:53*	WG1084690
(S) 4-Bromofluorobenzene	*102*			*80.0-120*		*03/14/2018 20:53*	WG1084690

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

JC 4/10/18

ANALYTICAL REPORT

March 23, 2018

PES Environmental, Inc.- WA

Sample Delivery Group: L977743
Samples Received: 03/15/2018
Project Number: 1413.001.05.304
Description: American Linen Supply Project

Report To: Brian O'Neal/Bill Haldeman
1215 Fourth Ave., Suite 1350
Seattle, WA 98161

Entire Report Reviewed By: Brian Ford

Brian Ford
Technical Service Representative

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IW-39B-5 L977743-01 Solid

Collected by	Collected date/time	Received date/time
Rachel McLaughlin	03/12/18 12:08	03/15/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1086424	1	03/20/18 10:54	03/20/18 11:04	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1085804	1	03/12/18 12:08	03/16/18 23:48	JHH

IW-39B-15 L977743-02 Solid

Collected by	Collected date/time	Received date/time
Rachel McLaughlin	03/12/18 12:25	03/15/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1086424	1	03/20/18 10:54	03/20/18 11:04	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1085804	1	03/12/18 12:25	03/17/18 00:08	JHH

IW-39B-25 L977743-03 Solid

Collected by	Collected date/time	Received date/time
Rachel McLaughlin	03/12/18 13:35	03/15/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1086424	1	03/20/18 10:54	03/20/18 11:04	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1085804	1	03/12/18 13:35	03/17/18 00:28	JHH

IW-39B-35 L977743-04 Solid

Collected by	Collected date/time	Received date/time
Rachel McLaughlin	03/12/18 13:52	03/15/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1086424	1	03/20/18 10:54	03/20/18 11:04	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1085804	1	03/12/18 13:52	03/17/18 00:48	JHH

IW-39B-45 L977743-05 Solid

Collected by	Collected date/time	Received date/time
Rachel McLaughlin	03/12/18 14:05	03/15/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1086784	1	03/20/18 13:26	03/20/18 13:37	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1085804	1	03/12/18 14:05	03/17/18 01:08	JHH

IW-39B-55 L977743-06 Solid

Collected by	Collected date/time	Received date/time
Rachel McLaughlin	03/12/18 14:38	03/15/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1086784	1	03/20/18 13:26	03/20/18 13:37	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1085804	25	03/12/18 14:38	03/17/18 05:46	JHH

MW-152-5 L977743-07 Solid

Collected by	Collected date/time	Received date/time
Rachel McLaughlin	03/13/18 09:16	03/15/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1086784	1	03/20/18 13:26	03/20/18 13:37	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1085804	1	03/13/18 09:16	03/17/18 01:28	JHH

MW-152-15 L977743-08 Solid

Collected by	Collected date/time	Received date/time
Rachel McLaughlin	03/13/18 09:35	03/15/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1086784	1	03/20/18 13:26	03/20/18 13:37	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1085804	1	03/13/18 09:35	03/17/18 01:48	JHH
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1085804	50	03/13/18 09:35	03/22/18 14:18	ACG

MW-152-25 L977743-09 Solid

Collected by	Collected date/time	Received date/time
Rachel McLaughlin	03/13/18 09:50	03/15/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1086784	1	03/20/18 13:26	03/20/18 13:37	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1085804	1	03/13/18 09:50	03/17/18 02:08	JHH
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1085804	36.25	03/13/18 09:50	03/22/18 14:25	JAH

MW-152-35 L977743-10 Solid

Collected by	Collected date/time	Received date/time
Rachel McLaughlin	03/13/18 10:07	03/15/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1086784	1	03/20/18 13:26	03/20/18 13:37	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1085804	1	03/13/18 10:07	03/17/18 02:28	JHH
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1085804	25	03/13/18 10:07	03/22/18 15:23	JAH

MW-152-45 L977743-11 Solid

Collected by	Collected date/time	Received date/time
Rachel McLaughlin	03/13/18 10:07	03/15/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1086784	1	03/20/18 13:26	03/20/18 13:37	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1085804	1	03/13/18 10:07	03/17/18 02:47	JHH
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1085804	500	03/13/18 10:07	03/22/18 16:13	LRL
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1085804	5000	03/13/18 10:07	03/22/18 17:58	BMB

MW-152-55 L977743-12 Solid

Collected by	Collected date/time	Received date/time
Rachel McLaughlin	03/13/18 10:50	03/15/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1086784	1	03/20/18 13:26	03/20/18 13:37	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1085804	1	03/13/18 10:50	03/17/18 03:07	JHH
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1085804	100	03/13/18 10:50	03/22/18 15:43	JAH
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1085804	2000	03/13/18 10:50	03/22/18 16:41	JAH

MW-152-60 L977743-13 Solid

Collected by	Collected date/time	Received date/time
Rachel McLaughlin	03/13/18 11:15	03/15/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1086784	1	03/20/18 13:26	03/20/18 13:37	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1085804	1	03/13/18 11:15	03/17/18 03:27	JHH
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1085804	25	03/13/18 11:15	03/22/18 14:39	ACG

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Collected by	Collected date/time	Received date/time
Rachel McLaughlin	03/14/18 09:00	03/15/18 08:45

IW-8C-5 L977743-14 Solid

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1086784	1	03/20/18 13:26	03/20/18 13:37	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1085804	1.08	03/14/18 09:00	03/17/18 03:47	JHH
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1085804	25	03/14/18 09:00	03/22/18 15:00	ACG

Collected by	Collected date/time	Received date/time
Rachel McLaughlin	03/14/18 09:05	03/15/18 08:45

IW-8C-10 L977743-15 Solid

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1086785	1	03/20/18 13:14	03/20/18 13:24	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1085804	1	03/14/18 09:05	03/22/18 14:44	JAH

Collected by	Collected date/time	Received date/time
Rachel McLaughlin	03/14/18 09:15	03/15/18 08:45

IW-8C-15 L977743-16 Solid

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1086785	1	03/20/18 13:14	03/20/18 13:24	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1085804	1	03/14/18 09:15	03/22/18 15:04	JAH
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1085804	1.06	03/14/18 09:15	03/17/18 04:07	JHH

Collected by	Collected date/time	Received date/time
Rachel McLaughlin	03/14/18 09:30	03/15/18 08:45

IW-8C-20 L977743-17 Solid

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1086785	1	03/20/18 13:14	03/20/18 13:24	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1085804	1	03/14/18 09:30	03/17/18 04:27	JHH

Collected by	Collected date/time	Received date/time
Rachel McLaughlin	03/14/18 09:41	03/15/18 08:45

IW-8C-25 L977743-18 Solid

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1086785	1	03/20/18 13:14	03/20/18 13:24	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1085804	1	03/14/18 09:41	03/17/18 04:47	JHH
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1085804	50	03/14/18 09:41	03/22/18 15:31	LRL

Collected by	Collected date/time	Received date/time
Rachel McLaughlin	03/14/18 09:50	03/15/18 08:45

IW-8C-30 L977743-19 Solid

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1086785	1	03/20/18 13:14	03/20/18 13:24	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1085804	1	03/14/18 09:50	03/17/18 05:06	JHH
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1085804	25	03/14/18 09:50	03/22/18 15:52	LRL

Collected by	Collected date/time	Received date/time
Rachel McLaughlin	03/14/18 09:55	03/15/18 08:45

IW-8C-35 L977743-20 Solid

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1086785	1	03/20/18 13:14	03/20/18 13:24	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1085804	1	03/14/18 09:55	03/17/18 05:26	JHH
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1085804	25	03/14/18 09:55	03/22/18 16:02	JAH

Collected by	Collected date/time	Received date/time
Rachel McLaughlin	03/14/18 10:08	03/15/18 08:45

IW-8C-40 L977743-21 Solid

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1086785	1	03/20/18 13:14	03/20/18 13:24	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1085897	1	03/14/18 10:08	03/17/18 16:36	ACE
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1085897	50	03/14/18 10:08	03/22/18 05:25	LRL
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1085897	500	03/14/18 10:08	03/22/18 12:40	JAH

Collected by	Collected date/time	Received date/time
Rachel McLaughlin	03/14/18 10:20	03/15/18 08:45

IW-8C-45 L977743-22 Solid

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1086785	1	03/20/18 13:14	03/20/18 13:24	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1085897	1	03/14/18 10:20	03/17/18 16:57	JHH
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1085897	50	03/14/18 10:20	03/22/18 05:44	CAH

Collected by	Collected date/time	Received date/time
Rachel McLaughlin	03/14/18 10:30	03/15/18 08:45

IW-8C-50 L977743-23 Solid

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1086785	1	03/20/18 13:14	03/20/18 13:24	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1085897	1	03/14/18 10:30	03/17/18 17:46	JAH
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1085897	2500	03/14/18 10:30	03/22/18 13:28	JAH

Collected by	Collected date/time	Received date/time
Rachel McLaughlin	03/14/18 10:40	03/15/18 08:45

IW-8C-55 L977743-24 Solid

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1086785	1	03/20/18 13:14	03/20/18 13:24	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1085897	1	03/14/18 10:40	03/17/18 18:06	JAH
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1085897	1000	03/14/18 10:40	03/22/18 13:48	JAH

Collected by	Collected date/time	Received date/time
Rachel McLaughlin	03/14/18 10:50	03/15/18 08:45

IW-8C-60 L977743-25 Solid

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1086786	1	03/20/18 11:23	03/20/18 11:29	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1085897	1	03/14/18 10:50	03/17/18 18:27	ACE
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1085897	100	03/14/18 10:50	03/22/18 07:04	LRL

Collected by	Collected date/time	Received date/time
Rachel McLaughlin	03/14/18 11:05	03/15/18 08:45

IW-8C-65 L977743-26 Solid

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1086786	1	03/20/18 11:23	03/20/18 11:29	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1085897	1	03/14/18 11:05	03/17/18 18:48	ACE
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1085897	1	03/14/18 11:05	03/22/18 02:08	LRL

IW-8C-70 L977743-27 Solid

Collected by	Collected date/time	Received date/time
Rachel McLaughlin	03/14/18 11:20	03/15/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1086786	1	03/20/18 11:23	03/20/18 11:29	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1085897	1	03/14/18 11:20	03/17/18 19:09	ACE
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1085897	25	03/14/18 11:20	03/22/18 06:05	LRL

IW-8C-75 L977743-28 Solid

Collected by	Collected date/time	Received date/time
Rachel McLaughlin	03/14/18 11:30	03/15/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1086786	1	03/20/18 11:23	03/20/18 11:29	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1085897	1	03/14/18 11:30	03/17/18 19:29	ACE
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1085897	25	03/14/18 11:30	03/22/18 12:21	JAH

IW-902-60 L977743-29 Solid

Collected by	Collected date/time	Received date/time
Rachel McLaughlin	03/14/18 14:30	03/15/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1086786	1	03/20/18 11:23	03/20/18 11:29	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1085897	1	03/14/18 14:30	03/17/18 19:50	ACE
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1085897	25	03/14/18 14:30	03/22/18 06:44	LRL

TRIP BLANK L977743-30 GW

Collected by	Collected date/time	Received date/time
Rachel McLaughlin	09/11/17 00:00	03/15/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1085337	1	03/16/18 01:33	03/16/18 01:33	ACG

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All radiochemical sample results for solids are reported on a dry weight basis with the exception of tritium, carbon-14 and radon, unless wet weight was requested by the client. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Brian Ford

Brian Ford
Technical Service Representative

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	78.8		1	03/20/2018 11:04	WG1086424

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.0189	J	0.0127	0.0635	1	03/16/2018 23:48	WG1085804
Acrylonitrile	U		0.00227	0.0127	1	03/16/2018 23:48	WG1085804
Benzene	U		0.000343	0.00127	1	03/16/2018 23:48	WG1085804
Bromobenzene	U		0.000361	0.00127	1	03/16/2018 23:48	WG1085804
Bromodichloromethane	U		0.000323	0.00127	1	03/16/2018 23:48	WG1085804
Bromochloromethane	U		0.000495	0.00635	1	03/16/2018 23:48	WG1085804
Bromoform	U		0.000538	0.00127	1	03/16/2018 23:48	WG1085804
Bromomethane	U		0.00170	0.00635	1	03/16/2018 23:48	WG1085804
n-Butylbenzene	U		0.000328	0.00127	1	03/16/2018 23:48	WG1085804
sec-Butylbenzene	U		0.000255	0.00127	1	03/16/2018 23:48	WG1085804
tert-Butylbenzene	U		0.000262	0.00127	1	03/16/2018 23:48	WG1085804
Carbon disulfide	0.00335		0.000281	0.00127	1	03/16/2018 23:48	WG1085804
Carbon tetrachloride	U		0.000416	0.00127	1	03/16/2018 23:48	WG1085804
Chlorobenzene	U		0.000269	0.00127	1	03/16/2018 23:48	WG1085804
Chlorodibromomethane	U		0.000474	0.00127	1	03/16/2018 23:48	WG1085804
Chloroethane	U		0.00120	0.00635	1	03/16/2018 23:48	WG1085804
Chloroform	U		0.000291	0.00635	1	03/16/2018 23:48	WG1085804
Chloromethane	U		0.000476	0.00317	1	03/16/2018 23:48	WG1085804
2-Chlorotoluene	U		0.000382	0.00127	1	03/16/2018 23:48	WG1085804
4-Chlorotoluene	U		0.000305	0.00127	1	03/16/2018 23:48	WG1085804
1,2-Dibromo-3-Chloropropane	U		0.00133	0.00635	1	03/16/2018 23:48	WG1085804
1,2-Dibromoethane	U		0.000436	0.00127	1	03/16/2018 23:48	WG1085804
Dibromomethane	U		0.000485	0.00127	1	03/16/2018 23:48	WG1085804
1,2-Dichlorobenzene	U		0.000387	0.00127	1	03/16/2018 23:48	WG1085804
1,3-Dichlorobenzene	U		0.000303	0.00127	1	03/16/2018 23:48	WG1085804
1,4-Dichlorobenzene	U		0.000287	0.00127	1	03/16/2018 23:48	WG1085804
Dichlorodifluoromethane	U		0.000905	0.00635	1	03/16/2018 23:48	WG1085804
1,1-Dichloroethane	U		0.000253	0.00127	1	03/16/2018 23:48	WG1085804
1,2-Dichloroethane	U		0.000336	0.00127	1	03/16/2018 23:48	WG1085804
1,1-Dichloroethene	U		0.000385	0.00127	1	03/16/2018 23:48	WG1085804
cis-1,2-Dichloroethene	0.0227		0.000298	0.00127	1	03/16/2018 23:48	WG1085804
trans-1,2-Dichloroethene	0.000423	J	0.000335	0.00127	1	03/16/2018 23:48	WG1085804
1,2-Dichloropropane	U		0.000455	0.00127	1	03/16/2018 23:48	WG1085804
1,1-Dichloropropene	U		0.000403	0.00127	1	03/16/2018 23:48	WG1085804
1,3-Dichloropropane	U		0.000263	0.00127	1	03/16/2018 23:48	WG1085804
cis-1,3-Dichloropropene	U		0.000333	0.00127	1	03/16/2018 23:48	WG1085804
trans-1,3-Dichloropropene	U		0.000339	0.00127	1	03/16/2018 23:48	WG1085804
trans-1,4-Dichloro-2-butene	U	J3	0.000988	0.00317	1	03/16/2018 23:48	WG1085804
2,2-Dichloropropane	U		0.000354	0.00127	1	03/16/2018 23:48	WG1085804
Di-isopropyl ether	U		0.000315	0.00127	1	03/16/2018 23:48	WG1085804
Ethylbenzene	U		0.000377	0.00127	1	03/16/2018 23:48	WG1085804
Hexachloro-1,3-butadiene	U		0.000434	0.00127	1	03/16/2018 23:48	WG1085804
2-Hexanone	U		0.00174	0.0127	1	03/16/2018 23:48	WG1085804
n-Hexane	U		0.000368	0.0127	1	03/16/2018 23:48	WG1085804
Iodomethane	U		0.00321	0.0127	1	03/16/2018 23:48	WG1085804
Isopropylbenzene	U		0.000309	0.00127	1	03/16/2018 23:48	WG1085804
p-Isopropyltoluene	U		0.000259	0.00127	1	03/16/2018 23:48	WG1085804
2-Butanone (MEK)	U		0.00594	0.0127	1	03/16/2018 23:48	WG1085804
Methylene Chloride	U		0.00127	0.00635	1	03/16/2018 23:48	WG1085804
4-Methyl-2-pentanone (MIBK)	U		0.00239	0.0127	1	03/16/2018 23:48	WG1085804

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000269	0.00127	1	03/16/2018 23:48	WG1085804
Naphthalene	U		0.00127	0.00635	1	03/16/2018 23:48	WG1085804
n-Propylbenzene	U		0.000262	0.00127	1	03/16/2018 23:48	WG1085804
Styrene	U		0.000297	0.00127	1	03/16/2018 23:48	WG1085804
1,1,1,2-Tetrachloroethane	U		0.000335	0.00127	1	03/16/2018 23:48	WG1085804
1,1,2,2-Tetrachloroethane	U		0.000463	0.00127	1	03/16/2018 23:48	WG1085804
1,1,2-Trichlorotrifluoroethane	U		0.000463	0.00127	1	03/16/2018 23:48	WG1085804
Tetrachloroethene	0.0961		0.000350	0.00127	1	03/16/2018 23:48	WG1085804
Toluene	U		0.000551	0.00635	1	03/16/2018 23:48	WG1085804
1,2,3-Trichlorobenzene	U		0.000389	0.00127	1	03/16/2018 23:48	WG1085804
1,2,4-Trichlorobenzene	U		0.000493	0.00127	1	03/16/2018 23:48	WG1085804
1,1,1-Trichloroethane	U		0.000363	0.00127	1	03/16/2018 23:48	WG1085804
1,1,2-Trichloroethane	U		0.000352	0.00127	1	03/16/2018 23:48	WG1085804
Trichloroethene	0.00856		0.000354	0.00127	1	03/16/2018 23:48	WG1085804
Trichlorofluoromethane	U		0.000485	0.00635	1	03/16/2018 23:48	WG1085804
1,2,3-Trichloropropane	U		0.000941	0.00317	1	03/16/2018 23:48	WG1085804
1,2,4-Trimethylbenzene	U		0.000268	0.00127	1	03/16/2018 23:48	WG1085804
1,2,3-Trimethylbenzene	U		0.000364	0.00127	1	03/16/2018 23:48	WG1085804
1,3,5-Trimethylbenzene	U		0.000338	0.00127	1	03/16/2018 23:48	WG1085804
Vinyl acetate	U		0.00303	0.0127	1	03/16/2018 23:48	WG1085804
Vinyl chloride	U		0.000370	0.00127	1	03/16/2018 23:48	WG1085804
Xylenes, Total	U		0.000886	0.00381	1	03/16/2018 23:48	WG1085804
(S) Toluene-d8	*94.5*			*80.0-120*		*03/16/2018 23:48*	WG1085804
(S) Dibromofluoromethane	*111*			*74.0-131*		*03/16/2018 23:48*	WG1085804
(S) 4-Bromofluorobenzene	*99.9*			*64.0-132*		*03/16/2018 23:48*	WG1085804

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	89.7		1	03/20/2018 11:04	WG1086424

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0111	0.0557	1	03/17/2018 00:08	WG1085804
Acrylonitrile	U		0.00199	0.0111	1	03/17/2018 00:08	WG1085804
Benzene	U		0.000301	0.00111	1	03/17/2018 00:08	WG1085804
Bromobenzene	U		0.000316	0.00111	1	03/17/2018 00:08	WG1085804
Bromodichloromethane	U		0.000283	0.00111	1	03/17/2018 00:08	WG1085804
Bromochloromethane	U		0.000435	0.00557	1	03/17/2018 00:08	WG1085804
Bromoform	U		0.000473	0.00111	1	03/17/2018 00:08	WG1085804
Bromomethane	U		0.00149	0.00557	1	03/17/2018 00:08	WG1085804
n-Butylbenzene	U		0.000288	0.00111	1	03/17/2018 00:08	WG1085804
sec-Butylbenzene	U		0.000224	0.00111	1	03/17/2018 00:08	WG1085804
tert-Butylbenzene	U		0.000230	0.00111	1	03/17/2018 00:08	WG1085804
Carbon disulfide	U		0.000246	0.00111	1	03/17/2018 00:08	WG1085804
Carbon tetrachloride	U		0.000366	0.00111	1	03/17/2018 00:08	WG1085804
Chlorobenzene	U		0.000236	0.00111	1	03/17/2018 00:08	WG1085804
Chlorodibromomethane	U		0.000416	0.00111	1	03/17/2018 00:08	WG1085804
Chloroethane	U		0.00105	0.00557	1	03/17/2018 00:08	WG1085804
Chloroform	U		0.000255	0.00557	1	03/17/2018 00:08	WG1085804
Chloromethane	U		0.000418	0.00279	1	03/17/2018 00:08	WG1085804
2-Chlorotoluene	U		0.000335	0.00111	1	03/17/2018 00:08	WG1085804
4-Chlorotoluene	U		0.000267	0.00111	1	03/17/2018 00:08	WG1085804
1,2-Dibromo-3-Chloropropane	U		0.00117	0.00557	1	03/17/2018 00:08	WG1085804
1,2-Dibromoethane	U		0.000382	0.00111	1	03/17/2018 00:08	WG1085804
Dibromomethane	U		0.000426	0.00111	1	03/17/2018 00:08	WG1085804
1,2-Dichlorobenzene	U		0.000340	0.00111	1	03/17/2018 00:08	WG1085804
1,3-Dichlorobenzene	U		0.000266	0.00111	1	03/17/2018 00:08	WG1085804
1,4-Dichlorobenzene	U		0.000252	0.00111	1	03/17/2018 00:08	WG1085804
Dichlorodifluoromethane	U		0.000795	0.00557	1	03/17/2018 00:08	WG1085804
1,1-Dichloroethane	U		0.000222	0.00111	1	03/17/2018 00:08	WG1085804
1,2-Dichloroethane	U		0.000295	0.00111	1	03/17/2018 00:08	WG1085804
1,1-Dichloroethene	U		0.000338	0.00111	1	03/17/2018 00:08	WG1085804
cis-1,2-Dichloroethene	0.00624		0.000262	0.00111	1	03/17/2018 00:08	WG1085804
trans-1,2-Dichloroethene	U		0.000294	0.00111	1	03/17/2018 00:08	WG1085804
1,2-Dichloropropane	U		0.000399	0.00111	1	03/17/2018 00:08	WG1085804
1,1-Dichloropropene	U		0.000353	0.00111	1	03/17/2018 00:08	WG1085804
1,3-Dichloropropane	U		0.000231	0.00111	1	03/17/2018 00:08	WG1085804
cis-1,3-Dichloropropene	U		0.000292	0.00111	1	03/17/2018 00:08	WG1085804
trans-1,3-Dichloropropene	U		0.000298	0.00111	1	03/17/2018 00:08	WG1085804
trans-1,4-Dichloro-2-butene	U	J3	0.000867	0.00279	1	03/17/2018 00:08	WG1085804
2,2-Dichloropropane	U		0.000311	0.00111	1	03/17/2018 00:08	WG1085804
Di-isopropyl ether	U		0.000276	0.00111	1	03/17/2018 00:08	WG1085804
Ethylbenzene	U		0.000331	0.00111	1	03/17/2018 00:08	WG1085804
Hexachloro-1,3-butadiene	U		0.000381	0.00111	1	03/17/2018 00:08	WG1085804
2-Hexanone	U		0.00153	0.0111	1	03/17/2018 00:08	WG1085804
n-Hexane	U		0.000323	0.0111	1	03/17/2018 00:08	WG1085804
Iodomethane	U		0.00282	0.0111	1	03/17/2018 00:08	WG1085804
Isopropylbenzene	U		0.000271	0.00111	1	03/17/2018 00:08	WG1085804
p-Isopropyltoluene	U		0.000227	0.00111	1	03/17/2018 00:08	WG1085804
2-Butanone (MEK)	U		0.00522	0.0111	1	03/17/2018 00:08	WG1085804
Methylene Chloride	U		0.00111	0.00557	1	03/17/2018 00:08	WG1085804
4-Methyl-2-pentanone (MIBK)	U		0.00210	0.0111	1	03/17/2018 00:08	WG1085804

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000236	0.00111	1	03/17/2018 00:08	WG1085804
Naphthalene	U		0.00111	0.00557	1	03/17/2018 00:08	WG1085804
n-Propylbenzene	U		0.000230	0.00111	1	03/17/2018 00:08	WG1085804
Styrene	U		0.000261	0.00111	1	03/17/2018 00:08	WG1085804
1,1,1,2-Tetrachloroethane	U		0.000294	0.00111	1	03/17/2018 00:08	WG1085804
1,1,2,2-Tetrachloroethane	U		0.000407	0.00111	1	03/17/2018 00:08	WG1085804
1,1,2-Trichlorotrifluoroethane	U		0.000407	0.00111	1	03/17/2018 00:08	WG1085804
Tetrachloroethene	U		0.000308	0.00111	1	03/17/2018 00:08	WG1085804
Toluene	U		0.000484	0.00557	1	03/17/2018 00:08	WG1085804
1,2,3-Trichlorobenzene	U		0.000341	0.00111	1	03/17/2018 00:08	WG1085804
1,2,4-Trichlorobenzene	U		0.000432	0.00111	1	03/17/2018 00:08	WG1085804
1,1,1-Trichloroethane	U		0.000319	0.00111	1	03/17/2018 00:08	WG1085804
1,1,2-Trichloroethane	U		0.000309	0.00111	1	03/17/2018 00:08	WG1085804
Trichloroethene	U		0.000311	0.00111	1	03/17/2018 00:08	WG1085804
Trichlorofluoromethane	U		0.000426	0.00557	1	03/17/2018 00:08	WG1085804
1,2,3-Trichloropropane	U		0.000826	0.00279	1	03/17/2018 00:08	WG1085804
1,2,4-Trimethylbenzene	U		0.000235	0.00111	1	03/17/2018 00:08	WG1085804
1,2,3-Trimethylbenzene	U		0.000320	0.00111	1	03/17/2018 00:08	WG1085804
1,3,5-Trimethylbenzene	U		0.000296	0.00111	1	03/17/2018 00:08	WG1085804
Vinyl acetate	U		0.00266	0.0111	1	03/17/2018 00:08	WG1085804
Vinyl chloride	U		0.000324	0.00111	1	03/17/2018 00:08	WG1085804
Xylenes, Total	U		0.000778	0.00334	1	03/17/2018 00:08	WG1085804
(S) Toluene-d8	*99.5*			*80.0-120*		*03/17/2018 00:08*	WG1085804
(S) Dibromofluoromethane	*106*			*74.0-131*		*03/17/2018 00:08*	WG1085804
(S) 4-Bromofluorobenzene	*95.2*			*64.0-132*		*03/17/2018 00:08*	WG1085804

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

IW-39B-25

Collected date/time: 03/12/18 13:35

SAMPLE RESULTS - 03

L977743

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	84.1		1	03/20/2018 11:04	WG1086424

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0119	0.0594	1	03/17/2018 00:28	WG1085804
Acrylonitrile	U		0.00213	0.0119	1	03/17/2018 00:28	WG1085804
Benzene	U		0.000321	0.00119	1	03/17/2018 00:28	WG1085804
Bromobenzene	U		0.000338	0.00119	1	03/17/2018 00:28	WG1085804
Bromodichloromethane	U		0.000302	0.00119	1	03/17/2018 00:28	WG1085804
Bromochloromethane	U		0.000464	0.00594	1	03/17/2018 00:28	WG1085804
Bromoform	U		0.000504	0.00119	1	03/17/2018 00:28	WG1085804
Bromomethane	U		0.00159	0.00594	1	03/17/2018 00:28	WG1085804
n-Butylbenzene	U		0.000307	0.00119	1	03/17/2018 00:28	WG1085804
sec-Butylbenzene	U		0.000239	0.00119	1	03/17/2018 00:28	WG1085804
tert-Butylbenzene	U		0.000245	0.00119	1	03/17/2018 00:28	WG1085804
Carbon disulfide	0.000306	J	0.000263	0.00119	1	03/17/2018 00:28	WG1085804
Carbon tetrachloride	U		0.000390	0.00119	1	03/17/2018 00:28	WG1085804
Chlorobenzene	U		0.000252	0.00119	1	03/17/2018 00:28	WG1085804
Chlorodibromomethane	U		0.000443	0.00119	1	03/17/2018 00:28	WG1085804
Chloroethane	U		0.00112	0.00594	1	03/17/2018 00:28	WG1085804
Chloroform	U		0.000272	0.00594	1	03/17/2018 00:28	WG1085804
Chloromethane	U		0.000446	0.00297	1	03/17/2018 00:28	WG1085804
2-Chlorotoluene	U		0.000358	0.00119	1	03/17/2018 00:28	WG1085804
4-Chlorotoluene	U		0.000285	0.00119	1	03/17/2018 00:28	WG1085804
1,2-Dibromo-3-Chloropropane	U		0.00125	0.00594	1	03/17/2018 00:28	WG1085804
1,2-Dibromoethane	U		0.000408	0.00119	1	03/17/2018 00:28	WG1085804
Dibromomethane	U		0.000454	0.00119	1	03/17/2018 00:28	WG1085804
1,2-Dichlorobenzene	U		0.000363	0.00119	1	03/17/2018 00:28	WG1085804
1,3-Dichlorobenzene	U		0.000284	0.00119	1	03/17/2018 00:28	WG1085804
1,4-Dichlorobenzene	U		0.000269	0.00119	1	03/17/2018 00:28	WG1085804
Dichlorodifluoromethane	U		0.000848	0.00594	1	03/17/2018 00:28	WG1085804
1,1-Dichloroethane	U		0.000237	0.00119	1	03/17/2018 00:28	WG1085804
1,2-Dichloroethane	U		0.000315	0.00119	1	03/17/2018 00:28	WG1085804
1,1-Dichloroethene	0.00122		0.000360	0.00119	1	03/17/2018 00:28	WG1085804
cis-1,2-Dichloroethene	0.0239		0.000279	0.00119	1	03/17/2018 00:28	WG1085804
trans-1,2-Dichloroethene	0.000814	J	0.000314	0.00119	1	03/17/2018 00:28	WG1085804
1,2-Dichloropropane	U		0.000426	0.00119	1	03/17/2018 00:28	WG1085804
1,1-Dichloropropene	U		0.000377	0.00119	1	03/17/2018 00:28	WG1085804
1,3-Dichloropropane	U		0.000246	0.00119	1	03/17/2018 00:28	WG1085804
cis-1,3-Dichloropropene	U		0.000311	0.00119	1	03/17/2018 00:28	WG1085804
trans-1,3-Dichloropropene	U		0.000317	0.00119	1	03/17/2018 00:28	WG1085804
trans-1,4-Dichloro-2-butene	U	J3	0.000925	0.00297	1	03/17/2018 00:28	WG1085804
2,2-Dichloropropane	U		0.000332	0.00119	1	03/17/2018 00:28	WG1085804
Di-isopropyl ether	U		0.000295	0.00119	1	03/17/2018 00:28	WG1085804
Ethylbenzene	U		0.000353	0.00119	1	03/17/2018 00:28	WG1085804
Hexachloro-1,3-butadiene	U		0.000407	0.00119	1	03/17/2018 00:28	WG1085804
2-Hexanone	U		0.00163	0.0119	1	03/17/2018 00:28	WG1085804
n-Hexane	U		0.000345	0.0119	1	03/17/2018 00:28	WG1085804
Iodomethane	U		0.00301	0.0119	1	03/17/2018 00:28	WG1085804
Isopropylbenzene	U		0.000289	0.00119	1	03/17/2018 00:28	WG1085804
p-Isopropyltoluene	U		0.000243	0.00119	1	03/17/2018 00:28	WG1085804
2-Butanone (MEK)	U		0.00556	0.0119	1	03/17/2018 00:28	WG1085804
Methylene Chloride	U		0.00119	0.00594	1	03/17/2018 00:28	WG1085804
4-Methyl-2-pentanone (MIBK)	U		0.00223	0.0119	1	03/17/2018 00:28	WG1085804

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000252	0.00119	1	03/17/2018 00:28	WG1085804
Naphthalene	U		0.00119	0.00594	1	03/17/2018 00:28	WG1085804
n-Propylbenzene	U		0.000245	0.00119	1	03/17/2018 00:28	WG1085804
Styrene	U		0.000278	0.00119	1	03/17/2018 00:28	WG1085804
1,1,1,2-Tetrachloroethane	U		0.000314	0.00119	1	03/17/2018 00:28	WG1085804
1,1,2,2-Tetrachloroethane	U		0.000434	0.00119	1	03/17/2018 00:28	WG1085804
1,1,2-Trichlorotrifluoroethane	U		0.000434	0.00119	1	03/17/2018 00:28	WG1085804
Tetrachloroethene	0.0371		0.000328	0.00119	1	03/17/2018 00:28	WG1085804
Toluene	U		0.000516	0.00594	1	03/17/2018 00:28	WG1085804
1,2,3-Trichlorobenzene	U		0.000364	0.00119	1	03/17/2018 00:28	WG1085804
1,2,4-Trichlorobenzene	U		0.000461	0.00119	1	03/17/2018 00:28	WG1085804
1,1,1-Trichloroethane	U		0.000340	0.00119	1	03/17/2018 00:28	WG1085804
1,1,2-Trichloroethane	U		0.000329	0.00119	1	03/17/2018 00:28	WG1085804
Trichloroethene	0.00557		0.000332	0.00119	1	03/17/2018 00:28	WG1085804
Trichlorofluoromethane	U		0.000454	0.00594	1	03/17/2018 00:28	WG1085804
1,2,3-Trichloropropane	U		0.000881	0.00297	1	03/17/2018 00:28	WG1085804
1,2,4-Trimethylbenzene	U		0.000251	0.00119	1	03/17/2018 00:28	WG1085804
1,2,3-Trimethylbenzene	U		0.000341	0.00119	1	03/17/2018 00:28	WG1085804
1,3,5-Trimethylbenzene	U		0.000316	0.00119	1	03/17/2018 00:28	WG1085804
Vinyl acetate	U		0.00284	0.0119	1	03/17/2018 00:28	WG1085804
Vinyl chloride	0.000945	J	0.000346	0.00119	1	03/17/2018 00:28	WG1085804
Xylenes, Total	U		0.000830	0.00357	1	03/17/2018 00:28	WG1085804
(S) Toluene-d8	*96.9*			*80.0-120*		*03/17/2018 00:28*	WG1085804
(S) Dibromofluoromethane	*110*			*74.0-131*		*03/17/2018 00:28*	WG1085804
(S) 4-Bromofluorobenzene	*106*			*64.0-132*		*03/17/2018 00:28*	WG1085804

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	91.1		1	03/20/2018 11:04	WG1086424

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0110	0.0549	1	03/17/2018 00:48	WG1085804
Acrylonitrile	U		0.00197	0.0110	1	03/17/2018 00:48	WG1085804
Benzene	U		0.000296	0.00110	1	03/17/2018 00:48	WG1085804
Bromobenzene	U		0.000312	0.00110	1	03/17/2018 00:48	WG1085804
Bromodichloromethane	U		0.000279	0.00110	1	03/17/2018 00:48	WG1085804
Bromochloromethane	U		0.000428	0.00549	1	03/17/2018 00:48	WG1085804
Bromoform	U		0.000466	0.00110	1	03/17/2018 00:48	WG1085804
Bromomethane	U		0.00147	0.00549	1	03/17/2018 00:48	WG1085804
n-Butylbenzene	U		0.000283	0.00110	1	03/17/2018 00:48	WG1085804
sec-Butylbenzene	U		0.000221	0.00110	1	03/17/2018 00:48	WG1085804
tert-Butylbenzene	U		0.000226	0.00110	1	03/17/2018 00:48	WG1085804
Carbon disulfide	0.000442	J	0.000243	0.00110	1	03/17/2018 00:48	WG1085804
Carbon tetrachloride	U		0.000360	0.00110	1	03/17/2018 00:48	WG1085804
Chlorobenzene	U		0.000233	0.00110	1	03/17/2018 00:48	WG1085804
Chlorodibromomethane	U		0.000410	0.00110	1	03/17/2018 00:48	WG1085804
Chloroethane	U		0.00104	0.00549	1	03/17/2018 00:48	WG1085804
Chloroform	U		0.000251	0.00549	1	03/17/2018 00:48	WG1085804
Chloromethane	U		0.000412	0.00275	1	03/17/2018 00:48	WG1085804
2-Chlorotoluene	U		0.000331	0.00110	1	03/17/2018 00:48	WG1085804
4-Chlorotoluene	U		0.000264	0.00110	1	03/17/2018 00:48	WG1085804
1,2-Dibromo-3-Chloropropane	U		0.00115	0.00549	1	03/17/2018 00:48	WG1085804
1,2-Dibromoethane	U		0.000377	0.00110	1	03/17/2018 00:48	WG1085804
Dibromomethane	U		0.000419	0.00110	1	03/17/2018 00:48	WG1085804
1,2-Dichlorobenzene	U		0.000335	0.00110	1	03/17/2018 00:48	WG1085804
1,3-Dichlorobenzene	U		0.000262	0.00110	1	03/17/2018 00:48	WG1085804
1,4-Dichlorobenzene	U		0.000248	0.00110	1	03/17/2018 00:48	WG1085804
Dichlorodifluoromethane	U		0.000783	0.00549	1	03/17/2018 00:48	WG1085804
1,1-Dichloroethane	U		0.000219	0.00110	1	03/17/2018 00:48	WG1085804
1,2-Dichloroethane	U		0.000291	0.00110	1	03/17/2018 00:48	WG1085804
1,1-Dichloroethene	U		0.000333	0.00110	1	03/17/2018 00:48	WG1085804
cis-1,2-Dichloroethene	0.0135		0.000258	0.00110	1	03/17/2018 00:48	WG1085804
trans-1,2-Dichloroethene	0.000397	J	0.000290	0.00110	1	03/17/2018 00:48	WG1085804
1,2-Dichloropropane	U		0.000393	0.00110	1	03/17/2018 00:48	WG1085804
1,1-Dichloropropene	U		0.000348	0.00110	1	03/17/2018 00:48	WG1085804
1,3-Dichloropropane	U		0.000227	0.00110	1	03/17/2018 00:48	WG1085804
cis-1,3-Dichloropropene	U		0.000288	0.00110	1	03/17/2018 00:48	WG1085804
trans-1,3-Dichloropropene	U		0.000293	0.00110	1	03/17/2018 00:48	WG1085804
trans-1,4-Dichloro-2-butene	U	J3	0.000854	0.00275	1	03/17/2018 00:48	WG1085804
2,2-Dichloropropane	U		0.000306	0.00110	1	03/17/2018 00:48	WG1085804
Di-isopropyl ether	U		0.000272	0.00110	1	03/17/2018 00:48	WG1085804
Ethylbenzene	U		0.000326	0.00110	1	03/17/2018 00:48	WG1085804
Hexachloro-1,3-butadiene	U		0.000376	0.00110	1	03/17/2018 00:48	WG1085804
2-Hexanone	U		0.00150	0.0110	1	03/17/2018 00:48	WG1085804
n-Hexane	U		0.000318	0.0110	1	03/17/2018 00:48	WG1085804
Iodomethane	U		0.00278	0.0110	1	03/17/2018 00:48	WG1085804
Isopropylbenzene	U		0.000267	0.00110	1	03/17/2018 00:48	WG1085804
p-Isopropyltoluene	U		0.000224	0.00110	1	03/17/2018 00:48	WG1085804
2-Butanone (MEK)	U		0.00514	0.0110	1	03/17/2018 00:48	WG1085804
Methylene Chloride	U		0.00110	0.00549	1	03/17/2018 00:48	WG1085804
4-Methyl-2-pentanone (MIBK)	U		0.00206	0.0110	1	03/17/2018 00:48	WG1085804

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000233	0.00110	1	03/17/2018 00:48	WG1085804
Naphthalene	U		0.00110	0.00549	1	03/17/2018 00:48	WG1085804
n-Propylbenzene	U		0.000226	0.00110	1	03/17/2018 00:48	WG1085804
Styrene	U		0.000257	0.00110	1	03/17/2018 00:48	WG1085804
1,1,1,2-Tetrachloroethane	U		0.000290	0.00110	1	03/17/2018 00:48	WG1085804
1,1,2,2-Tetrachloroethane	U		0.000401	0.00110	1	03/17/2018 00:48	WG1085804
1,1,2-Trichlorotrifluoroethane	U		0.000401	0.00110	1	03/17/2018 00:48	WG1085804
Tetrachloroethene	0.00404		0.000303	0.00110	1	03/17/2018 00:48	WG1085804
Toluene	U		0.000477	0.00549	1	03/17/2018 00:48	WG1085804
1,2,3-Trichlorobenzene	U		0.000336	0.00110	1	03/17/2018 00:48	WG1085804
1,2,4-Trichlorobenzene	U		0.000426	0.00110	1	03/17/2018 00:48	WG1085804
1,1,1-Trichloroethane	U		0.000314	0.00110	1	03/17/2018 00:48	WG1085804
1,1,2-Trichloroethane	U		0.000304	0.00110	1	03/17/2018 00:48	WG1085804
Trichloroethene	0.00185		0.000306	0.00110	1	03/17/2018 00:48	WG1085804
Trichlorofluoromethane	U		0.000419	0.00549	1	03/17/2018 00:48	WG1085804
1,2,3-Trichloropropane	U		0.000814	0.00275	1	03/17/2018 00:48	WG1085804
1,2,4-Trimethylbenzene	U		0.000232	0.00110	1	03/17/2018 00:48	WG1085804
1,2,3-Trimethylbenzene	U		0.000315	0.00110	1	03/17/2018 00:48	WG1085804
1,3,5-Trimethylbenzene	U		0.000292	0.00110	1	03/17/2018 00:48	WG1085804
Vinyl acetate	U		0.00262	0.0110	1	03/17/2018 00:48	WG1085804
Vinyl chloride	0.00311		0.000320	0.00110	1	03/17/2018 00:48	WG1085804
Xylenes, Total	U		0.000766	0.00329	1	03/17/2018 00:48	WG1085804
(S) Toluene-d8	*97.4*			*80.0-120*		*03/17/2018 00:48*	WG1085804
(S) Dibromofluoromethane	*123*			*74.0-131*		*03/17/2018 00:48*	WG1085804
(S) 4-Bromofluorobenzene	*99.7*			*64.0-132*		*03/17/2018 00:48*	WG1085804

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	89.2		1	03/20/2018 13:37	WG1086784

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0112	0.0561	1	03/17/2018 01:08	WG1085804
Acrylonitrile	U		0.00201	0.0112	1	03/17/2018 01:08	WG1085804
Benzene	U		0.000303	0.00112	1	03/17/2018 01:08	WG1085804
Bromobenzene	U		0.000318	0.00112	1	03/17/2018 01:08	WG1085804
Bromodichloromethane	U		0.000285	0.00112	1	03/17/2018 01:08	WG1085804
Bromochloromethane	U		0.000437	0.00561	1	03/17/2018 01:08	WG1085804
Bromoform	U		0.000475	0.00112	1	03/17/2018 01:08	WG1085804
Bromomethane	U		0.00150	0.00561	1	03/17/2018 01:08	WG1085804
n-Butylbenzene	U		0.000289	0.00112	1	03/17/2018 01:08	WG1085804
sec-Butylbenzene	U		0.000225	0.00112	1	03/17/2018 01:08	WG1085804
tert-Butylbenzene	U		0.000231	0.00112	1	03/17/2018 01:08	WG1085804
Carbon disulfide	0.000442	J	0.000248	0.00112	1	03/17/2018 01:08	WG1085804
Carbon tetrachloride	U		0.000368	0.00112	1	03/17/2018 01:08	WG1085804
Chlorobenzene	U		0.000238	0.00112	1	03/17/2018 01:08	WG1085804
Chlorodibromomethane	U		0.000418	0.00112	1	03/17/2018 01:08	WG1085804
Chloroethane	U		0.00106	0.00561	1	03/17/2018 01:08	WG1085804
Chloroform	U		0.000257	0.00561	1	03/17/2018 01:08	WG1085804
Chloromethane	U		0.000420	0.00280	1	03/17/2018 01:08	WG1085804
2-Chlorotoluene	U		0.000338	0.00112	1	03/17/2018 01:08	WG1085804
4-Chlorotoluene	U		0.000269	0.00112	1	03/17/2018 01:08	WG1085804
1,2-Dibromo-3-Chloropropane	U		0.00118	0.00561	1	03/17/2018 01:08	WG1085804
1,2-Dibromoethane	U		0.000385	0.00112	1	03/17/2018 01:08	WG1085804
Dibromomethane	U		0.000428	0.00112	1	03/17/2018 01:08	WG1085804
1,2-Dichlorobenzene	U		0.000342	0.00112	1	03/17/2018 01:08	WG1085804
1,3-Dichlorobenzene	U		0.000268	0.00112	1	03/17/2018 01:08	WG1085804
1,4-Dichlorobenzene	U		0.000253	0.00112	1	03/17/2018 01:08	WG1085804
Dichlorodifluoromethane	U		0.000799	0.00561	1	03/17/2018 01:08	WG1085804
1,1-Dichloroethane	U		0.000223	0.00112	1	03/17/2018 01:08	WG1085804
1,2-Dichloroethane	U		0.000297	0.00112	1	03/17/2018 01:08	WG1085804
1,1-Dichloroethene	U		0.000340	0.00112	1	03/17/2018 01:08	WG1085804
cis-1,2-Dichloroethene	0.0185		0.000264	0.00112	1	03/17/2018 01:08	WG1085804
trans-1,2-Dichloroethene	U		0.000296	0.00112	1	03/17/2018 01:08	WG1085804
1,2-Dichloropropane	U		0.000401	0.00112	1	03/17/2018 01:08	WG1085804
1,1-Dichloropropene	U		0.000355	0.00112	1	03/17/2018 01:08	WG1085804
1,3-Dichloropropane	U		0.000232	0.00112	1	03/17/2018 01:08	WG1085804
cis-1,3-Dichloropropene	U		0.000294	0.00112	1	03/17/2018 01:08	WG1085804
trans-1,3-Dichloropropene	U		0.000299	0.00112	1	03/17/2018 01:08	WG1085804
trans-1,4-Dichloro-2-butene	U	J3	0.000872	0.00280	1	03/17/2018 01:08	WG1085804
2,2-Dichloropropane	U		0.000313	0.00112	1	03/17/2018 01:08	WG1085804
Di-isopropyl ether	U		0.000278	0.00112	1	03/17/2018 01:08	WG1085804
Ethylbenzene	U		0.000333	0.00112	1	03/17/2018 01:08	WG1085804
Hexachloro-1,3-butadiene	U		0.000383	0.00112	1	03/17/2018 01:08	WG1085804
2-Hexanone	U		0.00154	0.0112	1	03/17/2018 01:08	WG1085804
n-Hexane	U		0.000325	0.0112	1	03/17/2018 01:08	WG1085804
Iodomethane	U		0.00284	0.0112	1	03/17/2018 01:08	WG1085804
Isopropylbenzene	U		0.000272	0.00112	1	03/17/2018 01:08	WG1085804
p-Isopropyltoluene	U		0.000229	0.00112	1	03/17/2018 01:08	WG1085804
2-Butanone (MEK)	U		0.00525	0.0112	1	03/17/2018 01:08	WG1085804
Methylene Chloride	U		0.00112	0.00561	1	03/17/2018 01:08	WG1085804
4-Methyl-2-pentanone (MIBK)	U		0.00211	0.0112	1	03/17/2018 01:08	WG1085804

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000238	0.00112	1	03/17/2018 01:08	WG1085804
Naphthalene	U		0.00112	0.00561	1	03/17/2018 01:08	WG1085804
n-Propylbenzene	U		0.000231	0.00112	1	03/17/2018 01:08	WG1085804
Styrene	U		0.000262	0.00112	1	03/17/2018 01:08	WG1085804
1,1,1,2-Tetrachloroethane	U		0.000296	0.00112	1	03/17/2018 01:08	WG1085804
1,1,2,2-Tetrachloroethane	U		0.000409	0.00112	1	03/17/2018 01:08	WG1085804
1,1,2-Trichlorotrifluoroethane	U		0.000409	0.00112	1	03/17/2018 01:08	WG1085804
Tetrachloroethene	0.00336		0.000309	0.00112	1	03/17/2018 01:08	WG1085804
Toluene	U		0.000487	0.00561	1	03/17/2018 01:08	WG1085804
1,2,3-Trichlorobenzene	U		0.000343	0.00112	1	03/17/2018 01:08	WG1085804
1,2,4-Trichlorobenzene	U		0.000435	0.00112	1	03/17/2018 01:08	WG1085804
1,1,1-Trichloroethane	U		0.000321	0.00112	1	03/17/2018 01:08	WG1085804
1,1,2-Trichloroethane	U		0.000311	0.00112	1	03/17/2018 01:08	WG1085804
Trichloroethene	0.00126		0.000313	0.00112	1	03/17/2018 01:08	WG1085804
Trichlorofluoromethane	U		0.000428	0.00561	1	03/17/2018 01:08	WG1085804
1,2,3-Trichloropropane	U		0.000831	0.00280	1	03/17/2018 01:08	WG1085804
1,2,4-Trimethylbenzene	U		0.000237	0.00112	1	03/17/2018 01:08	WG1085804
1,2,3-Trimethylbenzene	U		0.000322	0.00112	1	03/17/2018 01:08	WG1085804
1,3,5-Trimethylbenzene	U		0.000298	0.00112	1	03/17/2018 01:08	WG1085804
Vinyl acetate	U		0.00268	0.0112	1	03/17/2018 01:08	WG1085804
Vinyl chloride	0.00592		0.000326	0.00112	1	03/17/2018 01:08	WG1085804
Xylenes, Total	U		0.000783	0.00336	1	03/17/2018 01:08	WG1085804
(S) Toluene-d8	*95.2*			*80.0-120*		*03/17/2018 01:08*	WG1085804
(S) Dibromofluoromethane	*110*			*74.0-131*		*03/17/2018 01:08*	WG1085804
(S) 4-Bromofluorobenzene	*102*			*64.0-132*		*03/17/2018 01:08*	WG1085804

Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch
Analyte	%			date / time	
Total Solids	95.2		1	03/20/2018 13:37	WG1086784

Volatile Organic Compounds (GC/MS) by Method 8260C

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.263	1.31	25	03/17/2018 05:46	WG1085804
Acrylonitrile	U		0.0470	0.263	25	03/17/2018 05:46	WG1085804
Benzene	U		0.00709	0.0263	25	03/17/2018 05:46	WG1085804
Bromobenzene	U		0.00746	0.0263	25	03/17/2018 05:46	WG1085804
Bromodichloromethane	U		0.00667	0.0263	25	03/17/2018 05:46	WG1085804
Bromochloromethane	U		0.0102	0.131	25	03/17/2018 05:46	WG1085804
Bromoform	U		0.0111	0.0263	25	03/17/2018 05:46	WG1085804
Bromomethane	U		0.0352	0.131	25	03/17/2018 05:46	WG1085804
n-Butylbenzene	U		0.00677	0.0263	25	03/17/2018 05:46	WG1085804
sec-Butylbenzene	U		0.00527	0.0263	25	03/17/2018 05:46	WG1085804
tert-Butylbenzene	U		0.00541	0.0263	25	03/17/2018 05:46	WG1085804
Carbon disulfide	U		0.00580	0.0263	25	03/17/2018 05:46	WG1085804
Carbon tetrachloride	U		0.00861	0.0263	25	03/17/2018 05:46	WG1085804
Chlorobenzene	U		0.00557	0.0263	25	03/17/2018 05:46	WG1085804
Chlorodibromomethane	U		0.00979	0.0263	25	03/17/2018 05:46	WG1085804
Chloroethane	U		0.0248	0.131	25	03/17/2018 05:46	WG1085804
Chloroform	U		0.00601	0.131	25	03/17/2018 05:46	WG1085804
Chloromethane	U		0.00985	0.0656	25	03/17/2018 05:46	WG1085804
2-Chlorotoluene	U		0.00790	0.0263	25	03/17/2018 05:46	WG1085804
4-Chlorotoluene	U		0.00630	0.0263	25	03/17/2018 05:46	WG1085804
1,2-Dibromo-3-Chloropropane	U		0.0275	0.131	25	03/17/2018 05:46	WG1085804
1,2-Dibromoethane	U		0.00901	0.0263	25	03/17/2018 05:46	WG1085804
Dibromomethane	U		0.0100	0.0263	25	03/17/2018 05:46	WG1085804
1,2-Dichlorobenzene	U		0.00800	0.0263	25	03/17/2018 05:46	WG1085804
1,3-Dichlorobenzene	U		0.00628	0.0263	25	03/17/2018 05:46	WG1085804
1,4-Dichlorobenzene	U		0.00593	0.0263	25	03/17/2018 05:46	WG1085804
Dichlorodifluoromethane	U		0.0187	0.131	25	03/17/2018 05:46	WG1085804
1,1-Dichloroethane	U		0.00523	0.0263	25	03/17/2018 05:46	WG1085804
1,2-Dichloroethane	U		0.00695	0.0263	25	03/17/2018 05:46	WG1085804
1,1-Dichloroethene	U		0.00796	0.0263	25	03/17/2018 05:46	WG1085804
cis-1,2-Dichloroethene	1.57		0.00617	0.0263	25	03/17/2018 05:46	WG1085804
trans-1,2-Dichloroethene	0.0809		0.00693	0.0263	25	03/17/2018 05:46	WG1085804
1,2-Dichloropropane	U		0.00940	0.0263	25	03/17/2018 05:46	WG1085804
1,1-Dichloropropene	U		0.00832	0.0263	25	03/17/2018 05:46	WG1085804
1,3-Dichloropropane	U		0.00544	0.0263	25	03/17/2018 05:46	WG1085804
cis-1,3-Dichloropropene	U		0.00688	0.0263	25	03/17/2018 05:46	WG1085804
trans-1,3-Dichloropropene	U		0.00701	0.0263	25	03/17/2018 05:46	WG1085804
trans-1,4-Dichloro-2-butene	U	J3	0.0204	0.0656	25	03/17/2018 05:46	WG1085804
2,2-Dichloropropane	U		0.00733	0.0263	25	03/17/2018 05:46	WG1085804
Di-isopropyl ether	U		0.00651	0.0263	25	03/17/2018 05:46	WG1085804
Ethylbenzene	U		0.00779	0.0263	25	03/17/2018 05:46	WG1085804
Hexachloro-1,3-butadiene	U		0.00898	0.0263	25	03/17/2018 05:46	WG1085804
2-Hexanone	U		0.0359	0.263	25	03/17/2018 05:46	WG1085804
n-Hexane	U		0.00761	0.263	25	03/17/2018 05:46	WG1085804
Iodomethane	U		0.0664	0.263	25	03/17/2018 05:46	WG1085804
Isopropylbenzene	U		0.00638	0.0263	25	03/17/2018 05:46	WG1085804
p-Isopropyltoluene	U		0.00536	0.0263	25	03/17/2018 05:46	WG1085804
2-Butanone (MEK)	U		0.123	0.263	25	03/17/2018 05:46	WG1085804
Methylene Chloride	U		0.0263	0.131	25	03/17/2018 05:46	WG1085804
4-Methyl-2-pentanone (MIBK)	U		0.0494	0.263	25	03/17/2018 05:46	WG1085804

IW-39B-55

Collected date/time: 03/12/18 14:38

SAMPLE RESULTS - 06

L977743

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.00557	0.0263	25	03/17/2018 05:46	WG1085804
Naphthalene	U		0.0263	0.131	25	03/17/2018 05:46	WG1085804
n-Propylbenzene	U		0.00541	0.0263	25	03/17/2018 05:46	WG1085804
Styrene	U		0.00614	0.0263	25	03/17/2018 05:46	WG1085804
1,1,1,2-Tetrachloroethane	U		0.00693	0.0263	25	03/17/2018 05:46	WG1085804
1,1,2,2-Tetrachloroethane	U		0.00958	0.0263	25	03/17/2018 05:46	WG1085804
1,1,2-Trichlorotrifluoroethane	U		0.00958	0.0263	25	03/17/2018 05:46	WG1085804
Tetrachloroethene	0.0868		0.00725	0.0263	25	03/17/2018 05:46	WG1085804
Toluene	U		0.0113	0.131	25	03/17/2018 05:46	WG1085804
1,2,3-Trichlorobenzene	U		0.00803	0.0263	25	03/17/2018 05:46	WG1085804
1,2,4-Trichlorobenzene	U		0.0102	0.0263	25	03/17/2018 05:46	WG1085804
1,1,1-Trichloroethane	U		0.00751	0.0263	25	03/17/2018 05:46	WG1085804
1,1,2-Trichloroethane	U		0.00727	0.0263	25	03/17/2018 05:46	WG1085804
Trichloroethene	0.0219	J	0.00733	0.0263	25	03/17/2018 05:46	WG1085804
Trichlorofluoromethane	U		0.0100	0.131	25	03/17/2018 05:46	WG1085804
1,2,3-Trichloropropane	U		0.0194	0.0656	25	03/17/2018 05:46	WG1085804
1,2,4-Trimethylbenzene	U		0.00554	0.0263	25	03/17/2018 05:46	WG1085804
1,2,3-Trimethylbenzene	U		0.00754	0.0263	25	03/17/2018 05:46	WG1085804
1,3,5-Trimethylbenzene	U		0.00698	0.0263	25	03/17/2018 05:46	WG1085804
Vinyl acetate	U		0.0628	0.263	25	03/17/2018 05:46	WG1085804
Vinyl chloride	0.0245	J	0.00764	0.0263	25	03/17/2018 05:46	WG1085804
Xylenes, Total	U		0.0183	0.0788	25	03/17/2018 05:46	WG1085804
(S) Toluene-d8	*109*			*80.0-120*		*03/17/2018 05:46*	WG1085804
(S) Dibromofluoromethane	*97.3*			*74.0-131*		*03/17/2018 05:46*	WG1085804
(S) 4-Bromofluorobenzene	*95.3*			*64.0-132*		*03/17/2018 05:46*	WG1085804

Sample Narrative:

L977743-06 WG1085804: Non-target compounds too high to run at a lower dilution.

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	88.8		1	03/20/2018 13:37	WG1086784

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0563	1	03/17/2018 01:28	WG1085804
Acrylonitrile	U		0.00202	0.0113	1	03/17/2018 01:28	WG1085804
Benzene	U		0.000304	0.00113	1	03/17/2018 01:28	WG1085804
Bromobenzene	U		0.000320	0.00113	1	03/17/2018 01:28	WG1085804
Bromodichloromethane	U		0.000286	0.00113	1	03/17/2018 01:28	WG1085804
Bromochloromethane	U		0.000439	0.00563	1	03/17/2018 01:28	WG1085804
Bromoform	U		0.000478	0.00113	1	03/17/2018 01:28	WG1085804
Bromomethane	U		0.00151	0.00563	1	03/17/2018 01:28	WG1085804
n-Butylbenzene	U		0.000291	0.00113	1	03/17/2018 01:28	WG1085804
sec-Butylbenzene	U		0.000226	0.00113	1	03/17/2018 01:28	WG1085804
tert-Butylbenzene	U		0.000232	0.00113	1	03/17/2018 01:28	WG1085804
Carbon disulfide	0.000505	J	0.000249	0.00113	1	03/17/2018 01:28	WG1085804
Carbon tetrachloride	U		0.000370	0.00113	1	03/17/2018 01:28	WG1085804
Chlorobenzene	U		0.000239	0.00113	1	03/17/2018 01:28	WG1085804
Chlorodibromomethane	U		0.000420	0.00113	1	03/17/2018 01:28	WG1085804
Chloroethane	U		0.00107	0.00563	1	03/17/2018 01:28	WG1085804
Chloroform	U		0.000258	0.00563	1	03/17/2018 01:28	WG1085804
Chloromethane	U		0.000423	0.00282	1	03/17/2018 01:28	WG1085804
2-Chlorotoluene	U		0.000339	0.00113	1	03/17/2018 01:28	WG1085804
4-Chlorotoluene	U		0.000270	0.00113	1	03/17/2018 01:28	WG1085804
1,2-Dibromo-3-Chloropropane	U		0.00118	0.00563	1	03/17/2018 01:28	WG1085804
1,2-Dibromoethane	U		0.000386	0.00113	1	03/17/2018 01:28	WG1085804
Dibromomethane	U		0.000430	0.00113	1	03/17/2018 01:28	WG1085804
1,2-Dichlorobenzene	U		0.000344	0.00113	1	03/17/2018 01:28	WG1085804
1,3-Dichlorobenzene	U		0.000269	0.00113	1	03/17/2018 01:28	WG1085804
1,4-Dichlorobenzene	U		0.000255	0.00113	1	03/17/2018 01:28	WG1085804
Dichlorodifluoromethane	U		0.000803	0.00563	1	03/17/2018 01:28	WG1085804
1,1-Dichloroethane	U		0.000224	0.00113	1	03/17/2018 01:28	WG1085804
1,2-Dichloroethane	U		0.000299	0.00113	1	03/17/2018 01:28	WG1085804
1,1-Dichloroethene	U		0.000341	0.00113	1	03/17/2018 01:28	WG1085804
cis-1,2-Dichloroethene	U		0.000265	0.00113	1	03/17/2018 01:28	WG1085804
trans-1,2-Dichloroethene	U		0.000297	0.00113	1	03/17/2018 01:28	WG1085804
1,2-Dichloropropane	U		0.000403	0.00113	1	03/17/2018 01:28	WG1085804
1,1-Dichloropropene	U		0.000357	0.00113	1	03/17/2018 01:28	WG1085804
1,3-Dichloropropane	U		0.000233	0.00113	1	03/17/2018 01:28	WG1085804
cis-1,3-Dichloropropene	U		0.000295	0.00113	1	03/17/2018 01:28	WG1085804
trans-1,3-Dichloropropene	U		0.000301	0.00113	1	03/17/2018 01:28	WG1085804
trans-1,4-Dichloro-2-butene	U	J3	0.000877	0.00282	1	03/17/2018 01:28	WG1085804
2,2-Dichloropropane	U		0.000314	0.00113	1	03/17/2018 01:28	WG1085804
Di-isopropyl ether	U		0.000279	0.00113	1	03/17/2018 01:28	WG1085804
Ethylbenzene	U		0.000335	0.00113	1	03/17/2018 01:28	WG1085804
Hexachloro-1,3-butadiene	U		0.000385	0.00113	1	03/17/2018 01:28	WG1085804
2-Hexanone	U		0.00154	0.0113	1	03/17/2018 01:28	WG1085804
n-Hexane	U		0.000327	0.0113	1	03/17/2018 01:28	WG1085804
Iodomethane	U		0.00285	0.0113	1	03/17/2018 01:28	WG1085804
Isopropylbenzene	U		0.000274	0.00113	1	03/17/2018 01:28	WG1085804
p-Isopropyltoluene	U		0.000230	0.00113	1	03/17/2018 01:28	WG1085804
2-Butanone (MEK)	U		0.00527	0.0113	1	03/17/2018 01:28	WG1085804
Methylene Chloride	U		0.00113	0.00563	1	03/17/2018 01:28	WG1085804
4-Methyl-2-pentanone (MIBK)	U		0.00212	0.0113	1	03/17/2018 01:28	WG1085804

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000239	0.00113	1	03/17/2018 01:28	WG1085804
Naphthalene	U		0.00113	0.00563	1	03/17/2018 01:28	WG1085804
n-Propylbenzene	U		0.000232	0.00113	1	03/17/2018 01:28	WG1085804
Styrene	U		0.000264	0.00113	1	03/17/2018 01:28	WG1085804
1,1,1,2-Tetrachloroethane	U		0.000297	0.00113	1	03/17/2018 01:28	WG1085804
1,1,2,2-Tetrachloroethane	U		0.000411	0.00113	1	03/17/2018 01:28	WG1085804
1,1,2-Trichlorotrifluoroethane	U		0.000411	0.00113	1	03/17/2018 01:28	WG1085804
Tetrachloroethene	0.116		0.000311	0.00113	1	03/17/2018 01:28	WG1085804
Toluene	0.000678	J	0.000489	0.00563	1	03/17/2018 01:28	WG1085804
1,2,3-Trichlorobenzene	U		0.000345	0.00113	1	03/17/2018 01:28	WG1085804
1,2,4-Trichlorobenzene	U		0.000437	0.00113	1	03/17/2018 01:28	WG1085804
1,1,1-Trichloroethane	U		0.000322	0.00113	1	03/17/2018 01:28	WG1085804
1,1,2-Trichloroethane	U		0.000312	0.00113	1	03/17/2018 01:28	WG1085804
Trichloroethene	0.000861	J	0.000314	0.00113	1	03/17/2018 01:28	WG1085804
Trichlorofluoromethane	U		0.000430	0.00563	1	03/17/2018 01:28	WG1085804
1,2,3-Trichloropropane	U		0.000835	0.00282	1	03/17/2018 01:28	WG1085804
1,2,4-Trimethylbenzene	0.000877	J	0.000238	0.00113	1	03/17/2018 01:28	WG1085804
1,2,3-Trimethylbenzene	0.000532	J	0.000323	0.00113	1	03/17/2018 01:28	WG1085804
1,3,5-Trimethylbenzene	U		0.000300	0.00113	1	03/17/2018 01:28	WG1085804
Vinyl acetate	U		0.00269	0.0113	1	03/17/2018 01:28	WG1085804
Vinyl chloride	U		0.000328	0.00113	1	03/17/2018 01:28	WG1085804
Xylenes, Total	0.00131	J	0.000786	0.00338	1	03/17/2018 01:28	WG1085804
(S) Toluene-d8	*95.0*			*80.0-120*		*03/17/2018 01:28*	WG1085804
(S) Dibromofluoromethane	*109*			*74.0-131*		*03/17/2018 01:28*	WG1085804
(S) 4-Bromofluorobenzene	*98.0*			*64.0-132*		*03/17/2018 01:28*	WG1085804

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	90.3		1	03/20/2018 13:37	WG1086784

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0111	0.0554	1	03/17/2018 01:48	WG1085804
Acrylonitrile	U		0.00198	0.0111	1	03/17/2018 01:48	WG1085804
Benzene	U		0.000299	0.00111	1	03/17/2018 01:48	WG1085804
Bromobenzene	U		0.000315	0.00111	1	03/17/2018 01:48	WG1085804
Bromodichloromethane	U		0.000281	0.00111	1	03/17/2018 01:48	WG1085804
Bromochloromethane	U		0.000432	0.00554	1	03/17/2018 01:48	WG1085804
Bromoform	U		0.000470	0.00111	1	03/17/2018 01:48	WG1085804
Bromomethane	U		0.00148	0.00554	1	03/17/2018 01:48	WG1085804
n-Butylbenzene	U		0.000286	0.00111	1	03/17/2018 01:48	WG1085804
sec-Butylbenzene	U		0.000223	0.00111	1	03/17/2018 01:48	WG1085804
tert-Butylbenzene	U		0.000228	0.00111	1	03/17/2018 01:48	WG1085804
Carbon disulfide	0.000864	J	0.000245	0.00111	1	03/17/2018 01:48	WG1085804
Carbon tetrachloride	U		0.000363	0.00111	1	03/17/2018 01:48	WG1085804
Chlorobenzene	U		0.000235	0.00111	1	03/17/2018 01:48	WG1085804
Chlorodibromomethane	U		0.000413	0.00111	1	03/17/2018 01:48	WG1085804
Chloroethane	U		0.00105	0.00554	1	03/17/2018 01:48	WG1085804
Chloroform	U		0.000254	0.00554	1	03/17/2018 01:48	WG1085804
Chloromethane	U		0.000415	0.00277	1	03/17/2018 01:48	WG1085804
2-Chlorotoluene	U		0.000333	0.00111	1	03/17/2018 01:48	WG1085804
4-Chlorotoluene	U		0.000266	0.00111	1	03/17/2018 01:48	WG1085804
1,2-Dibromo-3-Chloropropane	U		0.00116	0.00554	1	03/17/2018 01:48	WG1085804
1,2-Dibromoethane	U		0.000380	0.00111	1	03/17/2018 01:48	WG1085804
Dibromomethane	U		0.000423	0.00111	1	03/17/2018 01:48	WG1085804
1,2-Dichlorobenzene	U		0.000338	0.00111	1	03/17/2018 01:48	WG1085804
1,3-Dichlorobenzene	U		0.000265	0.00111	1	03/17/2018 01:48	WG1085804
1,4-Dichlorobenzene	U		0.000250	0.00111	1	03/17/2018 01:48	WG1085804
Dichlorodifluoromethane	U		0.000790	0.00554	1	03/17/2018 01:48	WG1085804
1,1-Dichloroethane	U		0.000220	0.00111	1	03/17/2018 01:48	WG1085804
1,2-Dichloroethane	U		0.000293	0.00111	1	03/17/2018 01:48	WG1085804
1,1-Dichloroethene	U		0.000336	0.00111	1	03/17/2018 01:48	WG1085804
cis-1,2-Dichloroethene	0.00864		0.000260	0.00111	1	03/17/2018 01:48	WG1085804
trans-1,2-Dichloroethene	U		0.000292	0.00111	1	03/17/2018 01:48	WG1085804
1,2-Dichloropropane	U		0.000396	0.00111	1	03/17/2018 01:48	WG1085804
1,1-Dichloropropene	U		0.000351	0.00111	1	03/17/2018 01:48	WG1085804
1,3-Dichloropropane	U		0.000229	0.00111	1	03/17/2018 01:48	WG1085804
cis-1,3-Dichloropropene	U		0.000290	0.00111	1	03/17/2018 01:48	WG1085804
trans-1,3-Dichloropropene	U		0.000296	0.00111	1	03/17/2018 01:48	WG1085804
trans-1,4-Dichloro-2-butene	U	J3	0.000862	0.00277	1	03/17/2018 01:48	WG1085804
2,2-Dichloropropane	U		0.000309	0.00111	1	03/17/2018 01:48	WG1085804
Di-isopropyl ether	U		0.000275	0.00111	1	03/17/2018 01:48	WG1085804
Ethylbenzene	U		0.000329	0.00111	1	03/17/2018 01:48	WG1085804
Hexachloro-1,3-butadiene	U		0.000379	0.00111	1	03/17/2018 01:48	WG1085804
2-Hexanone	U		0.00152	0.0111	1	03/17/2018 01:48	WG1085804
n-Hexane	U		0.000321	0.0111	1	03/17/2018 01:48	WG1085804
Iodomethane	U		0.00280	0.0111	1	03/17/2018 01:48	WG1085804
Isopropylbenzene	U		0.000269	0.00111	1	03/17/2018 01:48	WG1085804
p-Isopropyltoluene	U		0.000226	0.00111	1	03/17/2018 01:48	WG1085804
2-Butanone (MEK)	U		0.00518	0.0111	1	03/17/2018 01:48	WG1085804
Methylene Chloride	U		0.00111	0.00554	1	03/17/2018 01:48	WG1085804
4-Methyl-2-pentanone (MIBK)	U		0.00208	0.0111	1	03/17/2018 01:48	WG1085804

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000235	0.00111	1	03/17/2018 01:48	WG1085804
Naphthalene	U		0.00111	0.00554	1	03/17/2018 01:48	WG1085804
n-Propylbenzene	U		0.000228	0.00111	1	03/17/2018 01:48	WG1085804
Styrene	U		0.000259	0.00111	1	03/17/2018 01:48	WG1085804
1,1,1,2-Tetrachloroethane	U		0.000292	0.00111	1	03/17/2018 01:48	WG1085804
1,1,2,2-Tetrachloroethane	U		0.000404	0.00111	1	03/17/2018 01:48	WG1085804
1,1,2-Trichlorotrifluoroethane	U		0.000404	0.00111	1	03/17/2018 01:48	WG1085804
Tetrachloroethene	6.12		0.0153	0.0554	50	03/22/2018 14:18	WG1085804
Toluene	U		0.000481	0.00554	1	03/17/2018 01:48	WG1085804
1,2,3-Trichlorobenzene	U		0.000339	0.00111	1	03/17/2018 01:48	WG1085804
1,2,4-Trichlorobenzene	U		0.000430	0.00111	1	03/17/2018 01:48	WG1085804
1,1,1-Trichloroethane	U		0.000317	0.00111	1	03/17/2018 01:48	WG1085804
1,1,2-Trichloroethane	U		0.000307	0.00111	1	03/17/2018 01:48	WG1085804
Trichloroethene	0.101		0.000309	0.00111	1	03/17/2018 01:48	WG1085804
Trichlorofluoromethane	U		0.000423	0.00554	1	03/17/2018 01:48	WG1085804
1,2,3-Trichloropropane	U		0.000821	0.00277	1	03/17/2018 01:48	WG1085804
1,2,4-Trimethylbenzene	U		0.000234	0.00111	1	03/17/2018 01:48	WG1085804
1,2,3-Trimethylbenzene	U		0.000318	0.00111	1	03/17/2018 01:48	WG1085804
1,3,5-Trimethylbenzene	U		0.000295	0.00111	1	03/17/2018 01:48	WG1085804
Vinyl acetate	U		0.00265	0.0111	1	03/17/2018 01:48	WG1085804
Vinyl chloride	U		0.000322	0.00111	1	03/17/2018 01:48	WG1085804
Xylenes, Total	U		0.000773	0.00332	1	03/17/2018 01:48	WG1085804
(S) Toluene-d8	*115*			*80.0-120*		*03/22/2018 14:18*	WG1085804
(S) Toluene-d8	*99.1*			*80.0-120*		*03/17/2018 01:48*	WG1085804
(S) Dibromofluoromethane	*99.3*			*74.0-131*		*03/22/2018 14:18*	WG1085804
(S) Dibromofluoromethane	*104*			*74.0-131*		*03/17/2018 01:48*	WG1085804
(S) 4-Bromofluorobenzene	*100*			*64.0-132*		*03/17/2018 01:48*	WG1085804
(S) 4-Bromofluorobenzene	*108*			*64.0-132*		*03/22/2018 14:18*	WG1085804

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch
Analyte	%			date / time	
Total Solids	92.2		1	03/20/2018 13:37	WG1086784

Volatile Organic Compounds (GC/MS) by Method 8260C

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0108	0.0542	1	03/17/2018 02:08	WG1085804
Acrylonitrile	U		0.00194	0.0108	1	03/17/2018 02:08	WG1085804
Benzene	U		0.000293	0.00108	1	03/17/2018 02:08	WG1085804
Bromobenzene	U		0.000308	0.00108	1	03/17/2018 02:08	WG1085804
Bromodichloromethane	U		0.000276	0.00108	1	03/17/2018 02:08	WG1085804
Bromochloromethane	U		0.000423	0.00542	1	03/17/2018 02:08	WG1085804
Bromoform	U		0.000460	0.00108	1	03/17/2018 02:08	WG1085804
Bromomethane	U		0.00145	0.00542	1	03/17/2018 02:08	WG1085804
n-Butylbenzene	U		0.000280	0.00108	1	03/17/2018 02:08	WG1085804
sec-Butylbenzene	U		0.000218	0.00108	1	03/17/2018 02:08	WG1085804
tert-Butylbenzene	U		0.000223	0.00108	1	03/17/2018 02:08	WG1085804
Carbon disulfide	0.000702	J	0.000240	0.00108	1	03/17/2018 02:08	WG1085804
Carbon tetrachloride	U		0.000356	0.00108	1	03/17/2018 02:08	WG1085804
Chlorobenzene	U		0.000230	0.00108	1	03/17/2018 02:08	WG1085804
Chlorodibromomethane	U		0.000405	0.00108	1	03/17/2018 02:08	WG1085804
Chloroethane	U		0.00103	0.00542	1	03/17/2018 02:08	WG1085804
Chloroform	U		0.000248	0.00542	1	03/17/2018 02:08	WG1085804
Chloromethane	U		0.000407	0.00271	1	03/17/2018 02:08	WG1085804
2-Chlorotoluene	U		0.000327	0.00108	1	03/17/2018 02:08	WG1085804
4-Chlorotoluene	U		0.000260	0.00108	1	03/17/2018 02:08	WG1085804
1,2-Dibromo-3-Chloropropane	U		0.00114	0.00542	1	03/17/2018 02:08	WG1085804
1,2-Dibromoethane	U		0.000372	0.00108	1	03/17/2018 02:08	WG1085804
Dibromomethane	U		0.000414	0.00108	1	03/17/2018 02:08	WG1085804
1,2-Dichlorobenzene	U		0.000331	0.00108	1	03/17/2018 02:08	WG1085804
1,3-Dichlorobenzene	U		0.000259	0.00108	1	03/17/2018 02:08	WG1085804
1,4-Dichlorobenzene	U		0.000245	0.00108	1	03/17/2018 02:08	WG1085804
Dichlorodifluoromethane	U		0.000773	0.00542	1	03/17/2018 02:08	WG1085804
1,1-Dichloroethane	U		0.000216	0.00108	1	03/17/2018 02:08	WG1085804
1,2-Dichloroethane	U		0.000287	0.00108	1	03/17/2018 02:08	WG1085804
1,1-Dichloroethene	0.000439	J	0.000329	0.00108	1	03/17/2018 02:08	WG1085804
cis-1,2-Dichloroethene	1.11		0.00924	0.0393	36.25	03/22/2018 14:25	WG1085804
trans-1,2-Dichloroethene	0.00188		0.000286	0.00108	1	03/17/2018 02:08	WG1085804
1,2-Dichloropropane	U		0.000388	0.00108	1	03/17/2018 02:08	WG1085804
1,1-Dichloropropene	U		0.000344	0.00108	1	03/17/2018 02:08	WG1085804
1,3-Dichloropropane	U		0.000225	0.00108	1	03/17/2018 02:08	WG1085804
cis-1,3-Dichloropropene	U		0.000284	0.00108	1	03/17/2018 02:08	WG1085804
trans-1,3-Dichloropropene	U		0.000290	0.00108	1	03/17/2018 02:08	WG1085804
trans-1,4-Dichloro-2-butene	U	J3	0.000844	0.00271	1	03/17/2018 02:08	WG1085804
2,2-Dichloropropane	U		0.000303	0.00108	1	03/17/2018 02:08	WG1085804
Di-isopropyl ether	U		0.000269	0.00108	1	03/17/2018 02:08	WG1085804
Ethylbenzene	U		0.000322	0.00108	1	03/17/2018 02:08	WG1085804
Hexachloro-1,3-butadiene	U		0.000371	0.00108	1	03/17/2018 02:08	WG1085804
2-Hexanone	U		0.00149	0.0108	1	03/17/2018 02:08	WG1085804
n-Hexane	U		0.000315	0.0108	1	03/17/2018 02:08	WG1085804
Iodomethane	U		0.00274	0.0108	1	03/17/2018 02:08	WG1085804
Isopropylbenzene	U		0.000264	0.00108	1	03/17/2018 02:08	WG1085804
p-Isopropyltoluene	U		0.000221	0.00108	1	03/17/2018 02:08	WG1085804
2-Butanone (MEK)	U		0.00508	0.0108	1	03/17/2018 02:08	WG1085804
Methylene Chloride	U		0.00108	0.00542	1	03/17/2018 02:08	WG1085804
4-Methyl-2-pentanone (MIBK)	U		0.00204	0.0108	1	03/17/2018 02:08	WG1085804

MW-152-25

Collected date/time: 03/13/18 09:50

SAMPLE RESULTS - 09

L977743

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000230	0.00108	1	03/17/2018 02:08	WG1085804
Naphthalene	U		0.00108	0.00542	1	03/17/2018 02:08	WG1085804
n-Propylbenzene	U		0.000223	0.00108	1	03/17/2018 02:08	WG1085804
Styrene	U		0.000254	0.00108	1	03/17/2018 02:08	WG1085804
1,1,1,2-Tetrachloroethane	U		0.000286	0.00108	1	03/17/2018 02:08	WG1085804
1,1,2,2-Tetrachloroethane	U		0.000396	0.00108	1	03/17/2018 02:08	WG1085804
1,1,2-Trichlorotrifluoroethane	U		0.000396	0.00108	1	03/17/2018 02:08	WG1085804
Tetrachloroethene	0.276		0.0108	0.0393	36.25	03/22/2018 14:25	WG1085804
Toluene	U		0.000471	0.00542	1	03/17/2018 02:08	WG1085804
1,2,3-Trichlorobenzene	U		0.000332	0.00108	1	03/17/2018 02:08	WG1085804
1,2,4-Trichlorobenzene	U		0.000421	0.00108	1	03/17/2018 02:08	WG1085804
1,1,1-Trichloroethane	U		0.000310	0.00108	1	03/17/2018 02:08	WG1085804
1,1,2-Trichloroethane	U		0.000300	0.00108	1	03/17/2018 02:08	WG1085804
Trichloroethene	0.00768		0.000303	0.00108	1	03/17/2018 02:08	WG1085804
Trichlorofluoromethane	U		0.000414	0.00542	1	03/17/2018 02:08	WG1085804
1,2,3-Trichloropropane	U		0.000804	0.00271	1	03/17/2018 02:08	WG1085804
1,2,4-Trimethylbenzene	U		0.000229	0.00108	1	03/17/2018 02:08	WG1085804
1,2,3-Trimethylbenzene	U		0.000311	0.00108	1	03/17/2018 02:08	WG1085804
1,3,5-Trimethylbenzene	U		0.000289	0.00108	1	03/17/2018 02:08	WG1085804
Vinyl acetate	U		0.00259	0.0108	1	03/17/2018 02:08	WG1085804
Vinyl chloride	0.00488		0.000316	0.00108	1	03/17/2018 02:08	WG1085804
Xylenes, Total	U		0.000757	0.00325	1	03/17/2018 02:08	WG1085804
(S) Toluene-d8	*97.5*			*80.0-120*		*03/17/2018 02:08*	WG1085804
(S) Toluene-d8	*111*			*80.0-120*		*03/22/2018 14:25*	WG1085804
(S) Dibromofluoromethane	*109*			*74.0-131*		*03/17/2018 02:08*	WG1085804
(S) Dibromofluoromethane	*96.4*			*74.0-131*		*03/22/2018 14:25*	WG1085804
(S) 4-Bromofluorobenzene	*86.4*			*64.0-132*		*03/22/2018 14:25*	WG1085804
(S) 4-Bromofluorobenzene	*97.3*			*64.0-132*		*03/17/2018 02:08*	WG1085804

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	91.2		1	03/20/2018 13:37	WG1086784

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.0112	J	0.0110	0.0548	1	03/17/2018 02:28	WG1085804
Acrylonitrile	U		0.00196	0.0110	1	03/17/2018 02:28	WG1085804
Benzene	U		0.000296	0.00110	1	03/17/2018 02:28	WG1085804
Bromobenzene	U		0.000311	0.00110	1	03/17/2018 02:28	WG1085804
Bromodichloromethane	U		0.000279	0.00110	1	03/17/2018 02:28	WG1085804
Bromochloromethane	U		0.000428	0.00548	1	03/17/2018 02:28	WG1085804
Bromoform	U		0.000465	0.00110	1	03/17/2018 02:28	WG1085804
Bromomethane	U		0.00147	0.00548	1	03/17/2018 02:28	WG1085804
n-Butylbenzene	U		0.000283	0.00110	1	03/17/2018 02:28	WG1085804
sec-Butylbenzene	U		0.000220	0.00110	1	03/17/2018 02:28	WG1085804
tert-Butylbenzene	U		0.000226	0.00110	1	03/17/2018 02:28	WG1085804
Carbon disulfide	0.00130		0.000242	0.00110	1	03/17/2018 02:28	WG1085804
Carbon tetrachloride	U		0.000360	0.00110	1	03/17/2018 02:28	WG1085804
Chlorobenzene	U		0.000232	0.00110	1	03/17/2018 02:28	WG1085804
Chlorodibromomethane	U		0.000409	0.00110	1	03/17/2018 02:28	WG1085804
Chloroethane	U		0.00104	0.00548	1	03/17/2018 02:28	WG1085804
Chloroform	U		0.000251	0.00548	1	03/17/2018 02:28	WG1085804
Chloromethane	U		0.000411	0.00274	1	03/17/2018 02:28	WG1085804
2-Chlorotoluene	U		0.000330	0.00110	1	03/17/2018 02:28	WG1085804
4-Chlorotoluene	U		0.000263	0.00110	1	03/17/2018 02:28	WG1085804
1,2-Dibromo-3-Chloropropane	U		0.00115	0.00548	1	03/17/2018 02:28	WG1085804
1,2-Dibromoethane	U		0.000376	0.00110	1	03/17/2018 02:28	WG1085804
Dibromomethane	U		0.000419	0.00110	1	03/17/2018 02:28	WG1085804
1,2-Dichlorobenzene	U		0.000334	0.00110	1	03/17/2018 02:28	WG1085804
1,3-Dichlorobenzene	U		0.000262	0.00110	1	03/17/2018 02:28	WG1085804
1,4-Dichlorobenzene	U		0.000248	0.00110	1	03/17/2018 02:28	WG1085804
Dichlorodifluoromethane	U		0.000782	0.00548	1	03/17/2018 02:28	WG1085804
1,1-Dichloroethane	U		0.000218	0.00110	1	03/17/2018 02:28	WG1085804
1,2-Dichloroethane	U		0.000291	0.00110	1	03/17/2018 02:28	WG1085804
1,1-Dichloroethene	0.00127		0.000332	0.00110	1	03/17/2018 02:28	WG1085804
cis-1,2-Dichloroethene	0.776		0.00645	0.0274	25	03/22/2018 15:23	WG1085804
trans-1,2-Dichloroethene	0.00168		0.000290	0.00110	1	03/17/2018 02:28	WG1085804
1,2-Dichloropropane	U		0.000393	0.00110	1	03/17/2018 02:28	WG1085804
1,1-Dichloropropene	U		0.000348	0.00110	1	03/17/2018 02:28	WG1085804
1,3-Dichloropropane	U		0.000227	0.00110	1	03/17/2018 02:28	WG1085804
cis-1,3-Dichloropropene	U		0.000287	0.00110	1	03/17/2018 02:28	WG1085804
trans-1,3-Dichloropropene	U		0.000293	0.00110	1	03/17/2018 02:28	WG1085804
trans-1,4-Dichloro-2-butene	U	J3	0.000853	0.00274	1	03/17/2018 02:28	WG1085804
2,2-Dichloropropane	U		0.000306	0.00110	1	03/17/2018 02:28	WG1085804
Di-isopropyl ether	U		0.000272	0.00110	1	03/17/2018 02:28	WG1085804
Ethylbenzene	U		0.000326	0.00110	1	03/17/2018 02:28	WG1085804
Hexachloro-1,3-butadiene	U		0.000375	0.00110	1	03/17/2018 02:28	WG1085804
2-Hexanone	U		0.00150	0.0110	1	03/17/2018 02:28	WG1085804
n-Hexane	U		0.000318	0.0110	1	03/17/2018 02:28	WG1085804
Iodomethane	U		0.00277	0.0110	1	03/17/2018 02:28	WG1085804
Isopropylbenzene	U		0.000266	0.00110	1	03/17/2018 02:28	WG1085804
p-Isopropyltoluene	U		0.000224	0.00110	1	03/17/2018 02:28	WG1085804
2-Butanone (MEK)	U		0.00513	0.0110	1	03/17/2018 02:28	WG1085804
Methylene Chloride	U		0.00110	0.00548	1	03/17/2018 02:28	WG1085804
4-Methyl-2-pentanone (MIBK)	U		0.00206	0.0110	1	03/17/2018 02:28	WG1085804

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000232	0.00110	1	03/17/2018 02:28	WG1085804
Naphthalene	U		0.00110	0.00548	1	03/17/2018 02:28	WG1085804
n-Propylbenzene	U		0.000226	0.00110	1	03/17/2018 02:28	WG1085804
Styrene	U		0.000257	0.00110	1	03/17/2018 02:28	WG1085804
1,1,1,2-Tetrachloroethane	U		0.000290	0.00110	1	03/17/2018 02:28	WG1085804
1,1,2,2-Tetrachloroethane	U		0.000400	0.00110	1	03/17/2018 02:28	WG1085804
1,1,2-Trichlorotrifluoroethane	U		0.000400	0.00110	1	03/17/2018 02:28	WG1085804
Tetrachloroethene	1.23		0.00757	0.0274	25	03/22/2018 15:23	WG1085804
Toluene	U		0.000476	0.00548	1	03/17/2018 02:28	WG1085804
1,2,3-Trichlorobenzene	U		0.000336	0.00110	1	03/17/2018 02:28	WG1085804
1,2,4-Trichlorobenzene	U		0.000426	0.00110	1	03/17/2018 02:28	WG1085804
1,1,1-Trichloroethane	U		0.000314	0.00110	1	03/17/2018 02:28	WG1085804
1,1,2-Trichloroethane	U		0.000304	0.00110	1	03/17/2018 02:28	WG1085804
Trichloroethene	0.0203		0.000306	0.00110	1	03/17/2018 02:28	WG1085804
Trichlorofluoromethane	U		0.000419	0.00548	1	03/17/2018 02:28	WG1085804
1,2,3-Trichloropropane	U		0.000813	0.00274	1	03/17/2018 02:28	WG1085804
1,2,4-Trimethylbenzene	U		0.000231	0.00110	1	03/17/2018 02:28	WG1085804
1,2,3-Trimethylbenzene	U		0.000315	0.00110	1	03/17/2018 02:28	WG1085804
1,3,5-Trimethylbenzene	U		0.000292	0.00110	1	03/17/2018 02:28	WG1085804
Vinyl acetate	U		0.00262	0.0110	1	03/17/2018 02:28	WG1085804
Vinyl chloride	0.0282		0.000319	0.00110	1	03/17/2018 02:28	WG1085804
Xylenes, Total	U		0.000765	0.00329	1	03/17/2018 02:28	WG1085804
(S) Toluene-d8	*95.7*			*80.0-120*		*03/17/2018 02:28*	WG1085804
(S) Toluene-d8	*95.2*			*80.0-120*		*03/22/2018 15:23*	WG1085804
(S) Dibromofluoromethane	*111*			*74.0-131*		*03/17/2018 02:28*	WG1085804
(S) Dibromofluoromethane	*95.0*			*74.0-131*		*03/22/2018 15:23*	WG1085804
(S) 4-Bromofluorobenzene	*89.9*			*64.0-132*		*03/22/2018 15:23*	WG1085804
(S) 4-Bromofluorobenzene	*101*			*64.0-132*		*03/17/2018 02:28*	WG1085804

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	88.7		1	03/20/2018 13:37	WG1086784

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0564	1	03/17/2018 02:47	WG1085804
Acrylonitrile	U		0.00202	0.0113	1	03/17/2018 02:47	WG1085804
Benzene	U		0.000304	0.00113	1	03/17/2018 02:47	WG1085804
Bromobenzene	U		0.000320	0.00113	1	03/17/2018 02:47	WG1085804
Bromodichloromethane	U		0.000286	0.00113	1	03/17/2018 02:47	WG1085804
Bromochloromethane	U		0.000440	0.00564	1	03/17/2018 02:47	WG1085804
Bromoform	U		0.000478	0.00113	1	03/17/2018 02:47	WG1085804
Bromomethane	U		0.00151	0.00564	1	03/17/2018 02:47	WG1085804
n-Butylbenzene	0.000435	J	0.000291	0.00113	1	03/17/2018 02:47	WG1085804
sec-Butylbenzene	0.000397	J	0.000227	0.00113	1	03/17/2018 02:47	WG1085804
tert-Butylbenzene	0.000252	J	0.000232	0.00113	1	03/17/2018 02:47	WG1085804
Carbon disulfide	0.00108	J	0.000249	0.00113	1	03/17/2018 02:47	WG1085804
Carbon tetrachloride	U		0.000370	0.00113	1	03/17/2018 02:47	WG1085804
Chlorobenzene	U		0.000239	0.00113	1	03/17/2018 02:47	WG1085804
Chlorodibromomethane	U		0.000420	0.00113	1	03/17/2018 02:47	WG1085804
Chloroethane	U		0.00107	0.00564	1	03/17/2018 02:47	WG1085804
Chloroform	U		0.000258	0.00564	1	03/17/2018 02:47	WG1085804
Chloromethane	U		0.000423	0.00282	1	03/17/2018 02:47	WG1085804
2-Chlorotoluene	U		0.000339	0.00113	1	03/17/2018 02:47	WG1085804
4-Chlorotoluene	U		0.000271	0.00113	1	03/17/2018 02:47	WG1085804
1,2-Dibromo-3-Chloropropane	U		0.00118	0.00564	1	03/17/2018 02:47	WG1085804
1,2-Dibromoethane	U		0.000387	0.00113	1	03/17/2018 02:47	WG1085804
Dibromomethane	U		0.000431	0.00113	1	03/17/2018 02:47	WG1085804
1,2-Dichlorobenzene	U		0.000344	0.00113	1	03/17/2018 02:47	WG1085804
1,3-Dichlorobenzene	U		0.000269	0.00113	1	03/17/2018 02:47	WG1085804
1,4-Dichlorobenzene	U		0.000255	0.00113	1	03/17/2018 02:47	WG1085804
Dichlorodifluoromethane	U		0.000804	0.00564	1	03/17/2018 02:47	WG1085804
1,1-Dichloroethane	U		0.000224	0.00113	1	03/17/2018 02:47	WG1085804
1,2-Dichloroethane	U		0.000299	0.00113	1	03/17/2018 02:47	WG1085804
1,1-Dichloroethene	0.00544		0.000342	0.00113	1	03/17/2018 02:47	WG1085804
cis-1,2-Dichloroethene	7.54		0.133	0.564	500	03/22/2018 16:13	WG1085804
trans-1,2-Dichloroethene	0.00382		0.000298	0.00113	1	03/17/2018 02:47	WG1085804
1,2-Dichloropropane	U		0.000404	0.00113	1	03/17/2018 02:47	WG1085804
1,1-Dichloropropene	U		0.000357	0.00113	1	03/17/2018 02:47	WG1085804
1,3-Dichloropropane	U		0.000233	0.00113	1	03/17/2018 02:47	WG1085804
cis-1,3-Dichloropropene	U		0.000295	0.00113	1	03/17/2018 02:47	WG1085804
trans-1,3-Dichloropropene	U		0.000301	0.00113	1	03/17/2018 02:47	WG1085804
trans-1,4-Dichloro-2-butene	U	J3	0.000877	0.00282	1	03/17/2018 02:47	WG1085804
2,2-Dichloropropane	U		0.000315	0.00113	1	03/17/2018 02:47	WG1085804
Di-isopropyl ether	U		0.000280	0.00113	1	03/17/2018 02:47	WG1085804
Ethylbenzene	U		0.000335	0.00113	1	03/17/2018 02:47	WG1085804
Hexachloro-1,3-butadiene	U		0.000386	0.00113	1	03/17/2018 02:47	WG1085804
2-Hexanone	U		0.00154	0.0113	1	03/17/2018 02:47	WG1085804
n-Hexane	0.000925	J	0.000327	0.0113	1	03/17/2018 02:47	WG1085804
Iodomethane	U		0.00285	0.0113	1	03/17/2018 02:47	WG1085804
Isopropylbenzene	U		0.000274	0.00113	1	03/17/2018 02:47	WG1085804
p-Isopropyltoluene	0.000446	J	0.000230	0.00113	1	03/17/2018 02:47	WG1085804
2-Butanone (MEK)	U		0.00528	0.0113	1	03/17/2018 02:47	WG1085804
Methylene Chloride	U		0.00113	0.00564	1	03/17/2018 02:47	WG1085804
4-Methyl-2-pentanone (MIBK)	U		0.00212	0.0113	1	03/17/2018 02:47	WG1085804

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000239	0.00113	1	03/17/2018 02:47	WG1085804
Naphthalene	U		0.00113	0.00564	1	03/17/2018 02:47	WG1085804
n-Propylbenzene	0.000851	J	0.000232	0.00113	1	03/17/2018 02:47	WG1085804
Styrene	U		0.000264	0.00113	1	03/17/2018 02:47	WG1085804
1,1,1,2-Tetrachloroethane	U		0.000298	0.00113	1	03/17/2018 02:47	WG1085804
1,1,2,2-Tetrachloroethane	U		0.000411	0.00113	1	03/17/2018 02:47	WG1085804
1,1,2-Trichlorotrifluoroethane	U		0.000411	0.00113	1	03/17/2018 02:47	WG1085804
Tetrachloroethene	122		1.56	5.64	5000	03/22/2018 17:58	WG1085804
Toluene	0.000853	J	0.000489	0.00564	1	03/17/2018 02:47	WG1085804
1,2,3-Trichlorobenzene	U		0.000345	0.00113	1	03/17/2018 02:47	WG1085804
1,2,4-Trichlorobenzene	U		0.000437	0.00113	1	03/17/2018 02:47	WG1085804
1,1,1-Trichloroethane	U		0.000322	0.00113	1	03/17/2018 02:47	WG1085804
1,1,2-Trichloroethane	U		0.000312	0.00113	1	03/17/2018 02:47	WG1085804
Trichloroethene	0.532	J	0.158	0.564	500	03/22/2018 16:13	WG1085804
Trichlorofluoromethane	U		0.000431	0.00564	1	03/17/2018 02:47	WG1085804
1,2,3-Trichloropropane	U		0.000835	0.00282	1	03/17/2018 02:47	WG1085804
1,2,4-Trimethylbenzene	0.00577		0.000238	0.00113	1	03/17/2018 02:47	WG1085804
1,2,3-Trimethylbenzene	0.00185		0.000324	0.00113	1	03/17/2018 02:47	WG1085804
1,3,5-Trimethylbenzene	0.00190		0.000300	0.00113	1	03/17/2018 02:47	WG1085804
Vinyl acetate	U		0.00269	0.0113	1	03/17/2018 02:47	WG1085804
Vinyl chloride	1.06		0.165	0.564	500	03/22/2018 16:13	WG1085804
Xylenes, Total	0.00173	J	0.000787	0.00338	1	03/17/2018 02:47	WG1085804
(S) Toluene-d8	*113*			*80.0-120*		*03/22/2018 16:13*	WG1085804
(S) Toluene-d8	*114*			*80.0-120*		*03/22/2018 17:58*	WG1085804
(S) Toluene-d8	*119*			*80.0-120*		*03/17/2018 02:47*	WG1085804
(S) Dibromofluoromethane	*107*			*74.0-131*		*03/17/2018 02:47*	WG1085804
(S) Dibromofluoromethane	*93.9*			*74.0-131*		*03/22/2018 16:13*	WG1085804
(S) Dibromofluoromethane	*95.7*			*74.0-131*		*03/22/2018 17:58*	WG1085804
(S) 4-Bromofluorobenzene	*93.6*			*64.0-132*		*03/22/2018 17:58*	WG1085804
(S) 4-Bromofluorobenzene	*115*			*64.0-132*		*03/17/2018 02:47*	WG1085804
(S) 4-Bromofluorobenzene	*95.5*			*64.0-132*		*03/22/2018 16:13*	WG1085804

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	88.3		1	03/20/2018 13:37	WG1086784

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0566	1	03/17/2018 03:07	WG1085804
Acrylonitrile	U		0.00203	0.0113	1	03/17/2018 03:07	WG1085804
Benzene	U		0.000306	0.00113	1	03/17/2018 03:07	WG1085804
Bromobenzene	U		0.000322	0.00113	1	03/17/2018 03:07	WG1085804
Bromodichloromethane	U		0.000288	0.00113	1	03/17/2018 03:07	WG1085804
Bromochloromethane	U		0.000442	0.00566	1	03/17/2018 03:07	WG1085804
Bromoform	U		0.000480	0.00113	1	03/17/2018 03:07	WG1085804
Bromomethane	U		0.00152	0.00566	1	03/17/2018 03:07	WG1085804
n-Butylbenzene	U		0.000292	0.00113	1	03/17/2018 03:07	WG1085804
sec-Butylbenzene	U		0.000228	0.00113	1	03/17/2018 03:07	WG1085804
tert-Butylbenzene	U		0.000233	0.00113	1	03/17/2018 03:07	WG1085804
Carbon disulfide	0.00132		0.000250	0.00113	1	03/17/2018 03:07	WG1085804
Carbon tetrachloride	U		0.000372	0.00113	1	03/17/2018 03:07	WG1085804
Chlorobenzene	U		0.000240	0.00113	1	03/17/2018 03:07	WG1085804
Chlorodibromomethane	U		0.000422	0.00113	1	03/17/2018 03:07	WG1085804
Chloroethane	U		0.00107	0.00566	1	03/17/2018 03:07	WG1085804
Chloroform	U		0.000259	0.00566	1	03/17/2018 03:07	WG1085804
Chloromethane	U		0.000425	0.00283	1	03/17/2018 03:07	WG1085804
2-Chlorotoluene	U		0.000341	0.00113	1	03/17/2018 03:07	WG1085804
4-Chlorotoluene	U		0.000272	0.00113	1	03/17/2018 03:07	WG1085804
1,2-Dibromo-3-Chloropropane	U		0.00119	0.00566	1	03/17/2018 03:07	WG1085804
1,2-Dibromoethane	U		0.000389	0.00113	1	03/17/2018 03:07	WG1085804
Dibromomethane	U		0.000433	0.00113	1	03/17/2018 03:07	WG1085804
1,2-Dichlorobenzene	U		0.000345	0.00113	1	03/17/2018 03:07	WG1085804
1,3-Dichlorobenzene	U		0.000271	0.00113	1	03/17/2018 03:07	WG1085804
1,4-Dichlorobenzene	U		0.000256	0.00113	1	03/17/2018 03:07	WG1085804
Dichlorodifluoromethane	U		0.000808	0.00566	1	03/17/2018 03:07	WG1085804
1,1-Dichloroethane	U		0.000225	0.00113	1	03/17/2018 03:07	WG1085804
1,2-Dichloroethane	U		0.000300	0.00113	1	03/17/2018 03:07	WG1085804
1,1-Dichloroethene	0.00768		0.000343	0.00113	1	03/17/2018 03:07	WG1085804
cis-1,2-Dichloroethene	4.37		0.0266	0.113	100	03/22/2018 15:43	WG1085804
trans-1,2-Dichloroethene	0.0117		0.000299	0.00113	1	03/17/2018 03:07	WG1085804
1,2-Dichloropropane	U		0.000406	0.00113	1	03/17/2018 03:07	WG1085804
1,1-Dichloropropene	U		0.000359	0.00113	1	03/17/2018 03:07	WG1085804
1,3-Dichloropropane	U		0.000234	0.00113	1	03/17/2018 03:07	WG1085804
cis-1,3-Dichloropropene	U		0.000297	0.00113	1	03/17/2018 03:07	WG1085804
trans-1,3-Dichloropropene	U		0.000302	0.00113	1	03/17/2018 03:07	WG1085804
trans-1,4-Dichloro-2-butene	U	J3	0.000881	0.00283	1	03/17/2018 03:07	WG1085804
2,2-Dichloropropane	U		0.000316	0.00113	1	03/17/2018 03:07	WG1085804
Di-isopropyl ether	U		0.000281	0.00113	1	03/17/2018 03:07	WG1085804
Ethylbenzene	U		0.000336	0.00113	1	03/17/2018 03:07	WG1085804
Hexachloro-1,3-butadiene	U		0.000387	0.00113	1	03/17/2018 03:07	WG1085804
2-Hexanone	U		0.00155	0.0113	1	03/17/2018 03:07	WG1085804
n-Hexane	U		0.000328	0.0113	1	03/17/2018 03:07	WG1085804
Iodomethane	U		0.00287	0.0113	1	03/17/2018 03:07	WG1085804
Isopropylbenzene	U		0.000275	0.00113	1	03/17/2018 03:07	WG1085804
p-Isopropyltoluene	U		0.000231	0.00113	1	03/17/2018 03:07	WG1085804
2-Butanone (MEK)	U		0.00530	0.0113	1	03/17/2018 03:07	WG1085804
Methylene Chloride	U		0.00113	0.00566	1	03/17/2018 03:07	WG1085804
4-Methyl-2-pentanone (MIBK)	U		0.00213	0.0113	1	03/17/2018 03:07	WG1085804

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000240	0.00113	1	03/17/2018 03:07	WG1085804
Naphthalene	U		0.00113	0.00566	1	03/17/2018 03:07	WG1085804
n-Propylbenzene	U		0.000233	0.00113	1	03/17/2018 03:07	WG1085804
Styrene	U		0.000265	0.00113	1	03/17/2018 03:07	WG1085804
1,1,1,2-Tetrachloroethane	U		0.000299	0.00113	1	03/17/2018 03:07	WG1085804
1,1,2,2-Tetrachloroethane	U		0.000413	0.00113	1	03/17/2018 03:07	WG1085804
1,1,2-Trichlorotrifluoroethane	U		0.000413	0.00113	1	03/17/2018 03:07	WG1085804
Tetrachloroethene	57.4		0.625	2.27	2000	03/22/2018 16:41	WG1085804
Toluene	0.000571	J	0.000492	0.00566	1	03/17/2018 03:07	WG1085804
1,2,3-Trichlorobenzene	U		0.000347	0.00113	1	03/17/2018 03:07	WG1085804
1,2,4-Trichlorobenzene	U		0.000439	0.00113	1	03/17/2018 03:07	WG1085804
1,1,1-Trichloroethane	U		0.000324	0.00113	1	03/17/2018 03:07	WG1085804
1,1,2-Trichloroethane	U		0.000314	0.00113	1	03/17/2018 03:07	WG1085804
Trichloroethene	0.0545		0.000316	0.00113	1	03/17/2018 03:07	WG1085804
Trichlorofluoromethane	U		0.000433	0.00566	1	03/17/2018 03:07	WG1085804
1,2,3-Trichloropropane	U		0.000839	0.00283	1	03/17/2018 03:07	WG1085804
1,2,4-Trimethylbenzene	0.000440	J	0.000239	0.00113	1	03/17/2018 03:07	WG1085804
1,2,3-Trimethylbenzene	U		0.000325	0.00113	1	03/17/2018 03:07	WG1085804
1,3,5-Trimethylbenzene	U		0.000301	0.00113	1	03/17/2018 03:07	WG1085804
Vinyl acetate	U		0.00271	0.0113	1	03/17/2018 03:07	WG1085804
Vinyl chloride	0.0949		0.000330	0.00113	1	03/17/2018 03:07	WG1085804
Xylenes, Total	U		0.000791	0.00340	1	03/17/2018 03:07	WG1085804
(S) Toluene-d8	*106*			*80.0-120*		*03/22/2018 16:41*	WG1085804
(S) Toluene-d8	*102*			*80.0-120*		*03/22/2018 15:43*	WG1085804
(S) Toluene-d8	*98.8*			*80.0-120*		*03/17/2018 03:07*	WG1085804
(S) Dibromofluoromethane	*96.5*			*74.0-131*		*03/22/2018 15:43*	WG1085804
(S) Dibromofluoromethane	*100*			*74.0-131*		*03/22/2018 16:41*	WG1085804
(S) Dibromofluoromethane	*106*			*74.0-131*		*03/17/2018 03:07*	WG1085804
(S) 4-Bromofluorobenzene	*108*			*64.0-132*		*03/17/2018 03:07*	WG1085804
(S) 4-Bromofluorobenzene	*85.1*			*64.0-132*		*03/22/2018 16:41*	WG1085804
(S) 4-Bromofluorobenzene	*88.0*			*64.0-132*		*03/22/2018 15:43*	WG1085804

MW-152-60

Collected date/time: 03/13/18 11:15

SAMPLE RESULTS - 13

L977743

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	92.4		1	03/20/2018 13:37	WG1086784

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0108	0.0541	1	03/17/2018 03:27	WG1085804
Acrylonitrile	U		0.00194	0.0108	1	03/17/2018 03:27	WG1085804
Benzene	U		0.000292	0.00108	1	03/17/2018 03:27	WG1085804
Bromobenzene	U		0.000307	0.00108	1	03/17/2018 03:27	WG1085804
Bromodichloromethane	U		0.000275	0.00108	1	03/17/2018 03:27	WG1085804
Bromochloromethane	U		0.000422	0.00541	1	03/17/2018 03:27	WG1085804
Bromoform	U		0.000459	0.00108	1	03/17/2018 03:27	WG1085804
Bromomethane	U		0.00145	0.00541	1	03/17/2018 03:27	WG1085804
n-Butylbenzene	U		0.000279	0.00108	1	03/17/2018 03:27	WG1085804
sec-Butylbenzene	U		0.000217	0.00108	1	03/17/2018 03:27	WG1085804
tert-Butylbenzene	U		0.000223	0.00108	1	03/17/2018 03:27	WG1085804
Carbon disulfide	0.000566	J	0.000239	0.00108	1	03/17/2018 03:27	WG1085804
Carbon tetrachloride	U		0.000355	0.00108	1	03/17/2018 03:27	WG1085804
Chlorobenzene	U		0.000229	0.00108	1	03/17/2018 03:27	WG1085804
Chlorodibromomethane	U		0.000404	0.00108	1	03/17/2018 03:27	WG1085804
Chloroethane	U		0.00102	0.00541	1	03/17/2018 03:27	WG1085804
Chloroform	U		0.000248	0.00541	1	03/17/2018 03:27	WG1085804
Chloromethane	U		0.000406	0.00270	1	03/17/2018 03:27	WG1085804
2-Chlorotoluene	U		0.000326	0.00108	1	03/17/2018 03:27	WG1085804
4-Chlorotoluene	U		0.000260	0.00108	1	03/17/2018 03:27	WG1085804
1,2-Dibromo-3-Chloropropane	U		0.00114	0.00541	1	03/17/2018 03:27	WG1085804
1,2-Dibromoethane	U		0.000371	0.00108	1	03/17/2018 03:27	WG1085804
Dibromomethane	U		0.000413	0.00108	1	03/17/2018 03:27	WG1085804
1,2-Dichlorobenzene	U		0.000330	0.00108	1	03/17/2018 03:27	WG1085804
1,3-Dichlorobenzene	U		0.000259	0.00108	1	03/17/2018 03:27	WG1085804
1,4-Dichlorobenzene	U		0.000244	0.00108	1	03/17/2018 03:27	WG1085804
Dichlorodifluoromethane	U		0.000771	0.00541	1	03/17/2018 03:27	WG1085804
1,1-Dichloroethane	U		0.000215	0.00108	1	03/17/2018 03:27	WG1085804
1,2-Dichloroethane	U		0.000287	0.00108	1	03/17/2018 03:27	WG1085804
1,1-Dichloroethene	0.000946	J	0.000328	0.00108	1	03/17/2018 03:27	WG1085804
cis-1,2-Dichloroethene	0.167		0.000254	0.00108	1	03/17/2018 03:27	WG1085804
trans-1,2-Dichloroethene	0.000850	J	0.000286	0.00108	1	03/17/2018 03:27	WG1085804
1,2-Dichloropropane	U		0.000387	0.00108	1	03/17/2018 03:27	WG1085804
1,1-Dichloropropene	U		0.000343	0.00108	1	03/17/2018 03:27	WG1085804
1,3-Dichloropropane	U		0.000224	0.00108	1	03/17/2018 03:27	WG1085804
cis-1,3-Dichloropropene	U		0.000283	0.00108	1	03/17/2018 03:27	WG1085804
trans-1,3-Dichloropropene	U		0.000289	0.00108	1	03/17/2018 03:27	WG1085804
trans-1,4-Dichloro-2-butene	U	J3	0.000842	0.00270	1	03/17/2018 03:27	WG1085804
2,2-Dichloropropane	U		0.000302	0.00108	1	03/17/2018 03:27	WG1085804
Di-isopropyl ether	U		0.000268	0.00108	1	03/17/2018 03:27	WG1085804
Ethylbenzene	U		0.000321	0.00108	1	03/17/2018 03:27	WG1085804
Hexachloro-1,3-butadiene	U		0.000370	0.00108	1	03/17/2018 03:27	WG1085804
2-Hexanone	U		0.00148	0.0108	1	03/17/2018 03:27	WG1085804
n-Hexane	0.0102	J	0.000314	0.0108	1	03/17/2018 03:27	WG1085804
Iodomethane	U		0.00274	0.0108	1	03/17/2018 03:27	WG1085804
Isopropylbenzene	U		0.000263	0.00108	1	03/17/2018 03:27	WG1085804
p-Isopropyltoluene	U		0.000221	0.00108	1	03/17/2018 03:27	WG1085804
2-Butanone (MEK)	U		0.00506	0.0108	1	03/17/2018 03:27	WG1085804
Methylene Chloride	U		0.00108	0.00541	1	03/17/2018 03:27	WG1085804
4-Methyl-2-pentanone (MIBK)	U		0.00203	0.0108	1	03/17/2018 03:27	WG1085804

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000229	0.00108	1	03/17/2018 03:27	WG1085804
Naphthalene	U		0.00108	0.00541	1	03/17/2018 03:27	WG1085804
n-Propylbenzene	U		0.000223	0.00108	1	03/17/2018 03:27	WG1085804
Styrene	U		0.000253	0.00108	1	03/17/2018 03:27	WG1085804
1,1,1,2-Tetrachloroethane	U		0.000286	0.00108	1	03/17/2018 03:27	WG1085804
1,1,2,2-Tetrachloroethane	U		0.000395	0.00108	1	03/17/2018 03:27	WG1085804
1,1,2-Trichlorotrifluoroethane	U		0.000395	0.00108	1	03/17/2018 03:27	WG1085804
Tetrachloroethene	3.92		0.00746	0.0270	25	03/22/2018 14:39	WG1085804
Toluene	U		0.000470	0.00541	1	03/17/2018 03:27	WG1085804
1,2,3-Trichlorobenzene	U		0.000331	0.00108	1	03/17/2018 03:27	WG1085804
1,2,4-Trichlorobenzene	U		0.000420	0.00108	1	03/17/2018 03:27	WG1085804
1,1,1-Trichloroethane	U		0.000309	0.00108	1	03/17/2018 03:27	WG1085804
1,1,2-Trichloroethane	U		0.000300	0.00108	1	03/17/2018 03:27	WG1085804
Trichloroethene	0.00733		0.000302	0.00108	1	03/17/2018 03:27	WG1085804
Trichlorofluoromethane	U		0.000413	0.00541	1	03/17/2018 03:27	WG1085804
1,2,3-Trichloropropane	U		0.000802	0.00270	1	03/17/2018 03:27	WG1085804
1,2,4-Trimethylbenzene	U		0.000228	0.00108	1	03/17/2018 03:27	WG1085804
1,2,3-Trimethylbenzene	U		0.000310	0.00108	1	03/17/2018 03:27	WG1085804
1,3,5-Trimethylbenzene	U		0.000288	0.00108	1	03/17/2018 03:27	WG1085804
Vinyl acetate	U		0.00259	0.0108	1	03/17/2018 03:27	WG1085804
Vinyl chloride	0.0100		0.000315	0.00108	1	03/17/2018 03:27	WG1085804
Xylenes, Total	U		0.000755	0.00325	1	03/17/2018 03:27	WG1085804
(S) Toluene-d8	*93.0*			*80.0-120*		*03/17/2018 03:27*	WG1085804
(S) Toluene-d8	*115*			*80.0-120*		*03/22/2018 14:39*	WG1085804
(S) Dibromofluoromethane	*112*			*74.0-131*		*03/17/2018 03:27*	WG1085804
(S) Dibromofluoromethane	*95.7*			*74.0-131*		*03/22/2018 14:39*	WG1085804
(S) 4-Bromofluorobenzene	*104*			*64.0-132*		*03/17/2018 03:27*	WG1085804
(S) 4-Bromofluorobenzene	*113*			*64.0-132*		*03/22/2018 14:39*	WG1085804

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	62.9		1	03/20/2018 13:37	WG1086784

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.0315	J	0.0172	0.0859	1.08	03/17/2018 03:47	WG1085804
Acrylonitrile	U		0.00307	0.0172	1.08	03/17/2018 03:47	WG1085804
Benzene	0.00198		0.000464	0.00172	1.08	03/17/2018 03:47	WG1085804
Bromobenzene	U		0.000488	0.00172	1.08	03/17/2018 03:47	WG1085804
Bromodichloromethane	U		0.000436	0.00172	1.08	03/17/2018 03:47	WG1085804
Bromochloromethane	U		0.000669	0.00859	1.08	03/17/2018 03:47	WG1085804
Bromoform	U		0.000728	0.00172	1.08	03/17/2018 03:47	WG1085804
Bromomethane	U		0.00231	0.00859	1.08	03/17/2018 03:47	WG1085804
n-Butylbenzene	U		0.000444	0.00172	1.08	03/17/2018 03:47	WG1085804
sec-Butylbenzene	U		0.000345	0.00172	1.08	03/17/2018 03:47	WG1085804
tert-Butylbenzene	U		0.000353	0.00172	1.08	03/17/2018 03:47	WG1085804
Carbon disulfide	0.00251		0.000380	0.00172	1.08	03/17/2018 03:47	WG1085804
Carbon tetrachloride	U		0.000563	0.00172	1.08	03/17/2018 03:47	WG1085804
Chlorobenzene	U		0.000364	0.00172	1.08	03/17/2018 03:47	WG1085804
Chlorodibromomethane	U		0.000641	0.00172	1.08	03/17/2018 03:47	WG1085804
Chloroethane	U		0.00162	0.00859	1.08	03/17/2018 03:47	WG1085804
Chloroform	0.00117	J	0.000393	0.00859	1.08	03/17/2018 03:47	WG1085804
Chloromethane	U		0.000644	0.00429	1.08	03/17/2018 03:47	WG1085804
2-Chlorotoluene	U		0.000517	0.00172	1.08	03/17/2018 03:47	WG1085804
4-Chlorotoluene	U		0.000412	0.00172	1.08	03/17/2018 03:47	WG1085804
1,2-Dibromo-3-Chloropropane	U		0.00180	0.00859	1.08	03/17/2018 03:47	WG1085804
1,2-Dibromoethane	U		0.000588	0.00172	1.08	03/17/2018 03:47	WG1085804
Dibromomethane	U		0.000655	0.00172	1.08	03/17/2018 03:47	WG1085804
1,2-Dichlorobenzene	U		0.000523	0.00172	1.08	03/17/2018 03:47	WG1085804
1,3-Dichlorobenzene	U		0.000410	0.00172	1.08	03/17/2018 03:47	WG1085804
1,4-Dichlorobenzene	U		0.000388	0.00172	1.08	03/17/2018 03:47	WG1085804
Dichlorodifluoromethane	U		0.00122	0.00859	1.08	03/17/2018 03:47	WG1085804
1,1-Dichloroethane	U		0.000342	0.00172	1.08	03/17/2018 03:47	WG1085804
1,2-Dichloroethane	U		0.000455	0.00172	1.08	03/17/2018 03:47	WG1085804
1,1-Dichloroethene	U		0.000520	0.00172	1.08	03/17/2018 03:47	WG1085804
cis-1,2-Dichloroethene	0.0338		0.000404	0.00172	1.08	03/17/2018 03:47	WG1085804
trans-1,2-Dichloroethene	0.000693	J	0.000453	0.00172	1.08	03/17/2018 03:47	WG1085804
1,2-Dichloropropane	U		0.000615	0.00172	1.08	03/17/2018 03:47	WG1085804
1,1-Dichloropropene	U		0.000544	0.00172	1.08	03/17/2018 03:47	WG1085804
1,3-Dichloropropane	U		0.000356	0.00172	1.08	03/17/2018 03:47	WG1085804
cis-1,3-Dichloropropene	U		0.000450	0.00172	1.08	03/17/2018 03:47	WG1085804
trans-1,3-Dichloropropene	U		0.000458	0.00172	1.08	03/17/2018 03:47	WG1085804
trans-1,4-Dichloro-2-butene	U	J3	0.00134	0.00429	1.08	03/17/2018 03:47	WG1085804
2,2-Dichloropropane	U		0.000479	0.00172	1.08	03/17/2018 03:47	WG1085804
Di-isopropyl ether	U		0.000426	0.00172	1.08	03/17/2018 03:47	WG1085804
Ethylbenzene	U		0.000510	0.00172	1.08	03/17/2018 03:47	WG1085804
Hexachloro-1,3-butadiene	U		0.000587	0.00172	1.08	03/17/2018 03:47	WG1085804
2-Hexanone	U		0.00235	0.0172	1.08	03/17/2018 03:47	WG1085804
n-Hexane	0.00167	J	0.000498	0.0172	1.08	03/17/2018 03:47	WG1085804
Iodomethane	U		0.00434	0.0172	1.08	03/17/2018 03:47	WG1085804
Isopropylbenzene	U		0.000417	0.00172	1.08	03/17/2018 03:47	WG1085804
p-Isopropyltoluene	U		0.000350	0.00172	1.08	03/17/2018 03:47	WG1085804
2-Butanone (MEK)	0.0102	J	0.00803	0.0172	1.08	03/17/2018 03:47	WG1085804
Methylene Chloride	U		0.00172	0.00859	1.08	03/17/2018 03:47	WG1085804
4-Methyl-2-pentanone (MIBK)	U		0.00323	0.0172	1.08	03/17/2018 03:47	WG1085804

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000364	0.00172	1.08	03/17/2018 03:47	WG1085804
Naphthalene	0.00335	J V3	0.00172	0.00859	1.08	03/17/2018 03:47	WG1085804
n-Propylbenzene	U		0.000353	0.00172	1.08	03/17/2018 03:47	WG1085804
Styrene	U		0.000402	0.00172	1.08	03/17/2018 03:47	WG1085804
1,1,1,2-Tetrachloroethane	U		0.000453	0.00172	1.08	03/17/2018 03:47	WG1085804
1,1,2,2-Tetrachloroethane	U		0.000627	0.00172	1.08	03/17/2018 03:47	WG1085804
1,1,2-Trichlorotrifluoroethane	U		0.000627	0.00172	1.08	03/17/2018 03:47	WG1085804
Tetrachloroethene	5.81		0.0110	0.0398	25	03/22/2018 15:00	WG1085804
Toluene	U		0.000746	0.00859	1.08	03/17/2018 03:47	WG1085804
1,2,3-Trichlorobenzene	U		0.000525	0.00172	1.08	03/17/2018 03:47	WG1085804
1,2,4-Trichlorobenzene	U		0.000666	0.00172	1.08	03/17/2018 03:47	WG1085804
1,1,1-Trichloroethane	U		0.000491	0.00172	1.08	03/17/2018 03:47	WG1085804
1,1,2-Trichloroethane	U		0.000475	0.00172	1.08	03/17/2018 03:47	WG1085804
Trichloroethene	0.129		0.000479	0.00172	1.08	03/17/2018 03:47	WG1085804
Trichlorofluoromethane	U		0.000655	0.00859	1.08	03/17/2018 03:47	WG1085804
1,2,3-Trichloropropane	U		0.00127	0.00429	1.08	03/17/2018 03:47	WG1085804
1,2,4-Trimethylbenzene	0.000378	J V3	0.000363	0.00172	1.08	03/17/2018 03:47	WG1085804
1,2,3-Trimethylbenzene	U		0.000493	0.00172	1.08	03/17/2018 03:47	WG1085804
1,3,5-Trimethylbenzene	U		0.000456	0.00172	1.08	03/17/2018 03:47	WG1085804
Vinyl acetate	U		0.00410	0.0172	1.08	03/17/2018 03:47	WG1085804
Vinyl chloride	0.00182		0.000499	0.00172	1.08	03/17/2018 03:47	WG1085804
Xylenes, Total	U		0.00120	0.00515	1.08	03/17/2018 03:47	WG1085804
(S) Toluene-d8	*111*			*80.0-120*		*03/22/2018 15:00*	WG1085804
(S) Toluene-d8	*90.8*			*80.0-120*		*03/17/2018 03:47*	WG1085804
(S) Dibromofluoromethane	*122*			*74.0-131*		*03/17/2018 03:47*	WG1085804
(S) Dibromofluoromethane	*98.2*			*74.0-131*		*03/22/2018 15:00*	WG1085804
(S) 4-Bromofluorobenzene	*120*			*64.0-132*		*03/17/2018 03:47*	WG1085804
(S) 4-Bromofluorobenzene	*118*			*64.0-132*		*03/22/2018 15:00*	WG1085804

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	57.8		1	03/20/2018 13:24	WG1086785

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.0564	J J0	0.0173	0.0865	1	03/22/2018 14:44	WG1085804
Acrylonitrile	U		0.00310	0.0173	1	03/22/2018 14:44	WG1085804
Benzene	0.00277		0.000467	0.00173	1	03/22/2018 14:44	WG1085804
Bromobenzene	U		0.000491	0.00173	1	03/22/2018 14:44	WG1085804
Bromodichloromethane	U		0.000439	0.00173	1	03/22/2018 14:44	WG1085804
Bromochloromethane	U		0.000675	0.00865	1	03/22/2018 14:44	WG1085804
Bromoform	U		0.000733	0.00173	1	03/22/2018 14:44	WG1085804
Bromomethane	U	J0	0.00232	0.00865	1	03/22/2018 14:44	WG1085804
n-Butylbenzene	U		0.000446	0.00173	1	03/22/2018 14:44	WG1085804
sec-Butylbenzene	U		0.000348	0.00173	1	03/22/2018 14:44	WG1085804
tert-Butylbenzene	U		0.000356	0.00173	1	03/22/2018 14:44	WG1085804
Carbon disulfide	0.00288		0.000382	0.00173	1	03/22/2018 14:44	WG1085804
Carbon tetrachloride	U		0.000567	0.00173	1	03/22/2018 14:44	WG1085804
Chlorobenzene	U		0.000367	0.00173	1	03/22/2018 14:44	WG1085804
Chlorodibromomethane	U		0.000645	0.00173	1	03/22/2018 14:44	WG1085804
Chloroethane	U		0.00164	0.00865	1	03/22/2018 14:44	WG1085804
Chloroform	U		0.000396	0.00865	1	03/22/2018 14:44	WG1085804
Chloromethane	U	J0	0.000649	0.00432	1	03/22/2018 14:44	WG1085804
2-Chlorotoluene	U		0.000521	0.00173	1	03/22/2018 14:44	WG1085804
4-Chlorotoluene	U		0.000415	0.00173	1	03/22/2018 14:44	WG1085804
1,2-Dibromo-3-Chloropropane	U		0.00182	0.00865	1	03/22/2018 14:44	WG1085804
1,2-Dibromoethane	U		0.000593	0.00173	1	03/22/2018 14:44	WG1085804
Dibromomethane	U		0.000661	0.00173	1	03/22/2018 14:44	WG1085804
1,2-Dichlorobenzene	U		0.000528	0.00173	1	03/22/2018 14:44	WG1085804
1,3-Dichlorobenzene	U		0.000413	0.00173	1	03/22/2018 14:44	WG1085804
1,4-Dichlorobenzene	U		0.000391	0.00173	1	03/22/2018 14:44	WG1085804
Dichlorodifluoromethane	U	J0	0.00123	0.00865	1	03/22/2018 14:44	WG1085804
1,1-Dichloroethane	U	J0	0.000344	0.00173	1	03/22/2018 14:44	WG1085804
1,2-Dichloroethane	U		0.000458	0.00173	1	03/22/2018 14:44	WG1085804
1,1-Dichloroethene	U		0.000524	0.00173	1	03/22/2018 14:44	WG1085804
cis-1,2-Dichloroethene	0.0112		0.000406	0.00173	1	03/22/2018 14:44	WG1085804
trans-1,2-Dichloroethene	0.00192		0.000457	0.00173	1	03/22/2018 14:44	WG1085804
1,2-Dichloropropane	U		0.000619	0.00173	1	03/22/2018 14:44	WG1085804
1,1-Dichloropropene	U		0.000548	0.00173	1	03/22/2018 14:44	WG1085804
1,3-Dichloropropane	U		0.000358	0.00173	1	03/22/2018 14:44	WG1085804
cis-1,3-Dichloropropene	U		0.000453	0.00173	1	03/22/2018 14:44	WG1085804
trans-1,3-Dichloropropene	U		0.000462	0.00173	1	03/22/2018 14:44	WG1085804
trans-1,4-Dichloro-2-butene	U	J3	0.00135	0.00432	1	03/22/2018 14:44	WG1085804
2,2-Dichloropropane	U	J0	0.000483	0.00173	1	03/22/2018 14:44	WG1085804
Di-isopropyl ether	U		0.000429	0.00173	1	03/22/2018 14:44	WG1085804
Ethylbenzene	U		0.000514	0.00173	1	03/22/2018 14:44	WG1085804
Hexachloro-1,3-butadiene	U		0.000592	0.00173	1	03/22/2018 14:44	WG1085804
2-Hexanone	U		0.00237	0.0173	1	03/22/2018 14:44	WG1085804
n-Hexane	0.00234	J J0	0.000502	0.0173	1	03/22/2018 14:44	WG1085804
Iodomethane	U		0.00438	0.0173	1	03/22/2018 14:44	WG1085804
Isopropylbenzene	U		0.000420	0.00173	1	03/22/2018 14:44	WG1085804
p-Isopropyltoluene	0.00176		0.000353	0.00173	1	03/22/2018 14:44	WG1085804
2-Butanone (MEK)	0.0197	J0	0.00810	0.0173	1	03/22/2018 14:44	WG1085804
Methylene Chloride	U		0.00173	0.00865	1	03/22/2018 14:44	WG1085804
4-Methyl-2-pentanone (MIBK)	U		0.00325	0.0173	1	03/22/2018 14:44	WG1085804

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000367	0.00173	1	03/22/2018 14:44	WG1085804
Naphthalene	U		0.00173	0.00865	1	03/22/2018 14:44	WG1085804
n-Propylbenzene	U		0.000356	0.00173	1	03/22/2018 14:44	WG1085804
Styrene	U		0.000405	0.00173	1	03/22/2018 14:44	WG1085804
1,1,1,2-Tetrachloroethane	U		0.000457	0.00173	1	03/22/2018 14:44	WG1085804
1,1,2,2-Tetrachloroethane	U		0.000631	0.00173	1	03/22/2018 14:44	WG1085804
1,1,2-Trichlorotrifluoroethane	U		0.000631	0.00173	1	03/22/2018 14:44	WG1085804
Tetrachloroethene	0.0394		0.000477	0.00173	1	03/22/2018 14:44	WG1085804
Toluene	0.00153	J	0.000751	0.00865	1	03/22/2018 14:44	WG1085804
1,2,3-Trichlorobenzene	U		0.000529	0.00173	1	03/22/2018 14:44	WG1085804
1,2,4-Trichlorobenzene	U		0.000671	0.00173	1	03/22/2018 14:44	WG1085804
1,1,1-Trichloroethane	U		0.000495	0.00173	1	03/22/2018 14:44	WG1085804
1,1,2-Trichloroethane	U		0.000479	0.00173	1	03/22/2018 14:44	WG1085804
Trichloroethene	0.00705		0.000483	0.00173	1	03/22/2018 14:44	WG1085804
Trichlorofluoromethane	U		0.000661	0.00865	1	03/22/2018 14:44	WG1085804
1,2,3-Trichloropropane	U		0.00128	0.00432	1	03/22/2018 14:44	WG1085804
1,2,4-Trimethylbenzene	0.000832	J	0.000365	0.00173	1	03/22/2018 14:44	WG1085804
1,2,3-Trimethylbenzene	0.000825	J	0.000496	0.00173	1	03/22/2018 14:44	WG1085804
1,3,5-Trimethylbenzene	U		0.000460	0.00173	1	03/22/2018 14:44	WG1085804
Vinyl acetate	U		0.00413	0.0173	1	03/22/2018 14:44	WG1085804
Vinyl chloride	0.00710		0.000503	0.00173	1	03/22/2018 14:44	WG1085804
Xylenes, Total	0.00122	J	0.00121	0.00519	1	03/22/2018 14:44	WG1085804
(S) Toluene-d8	*96.6*			*80.0-120*		*03/22/2018 14:44*	WG1085804
(S) Dibromofluoromethane	*109*			*74.0-131*		*03/22/2018 14:44*	WG1085804
(S) 4-Bromofluorobenzene	*106*			*64.0-132*		*03/22/2018 14:44*	WG1085804

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	89.9		1	03/20/2018 13:24	WG1086785

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0118	0.0589	1.06	03/17/2018 04:07	WG1085804
Acrylonitrile	U		0.00211	0.0118	1.06	03/17/2018 04:07	WG1085804
Benzene	U		0.000318	0.00118	1.06	03/17/2018 04:07	WG1085804
Bromobenzene	U		0.000335	0.00118	1.06	03/17/2018 04:07	WG1085804
Bromodichloromethane	U		0.000299	0.00118	1.06	03/17/2018 04:07	WG1085804
Bromochloromethane	U		0.000459	0.00589	1.06	03/17/2018 04:07	WG1085804
Bromoform	U		0.000499	0.00118	1.06	03/17/2018 04:07	WG1085804
Bromomethane	U		0.00158	0.00589	1.06	03/17/2018 04:07	WG1085804
n-Butylbenzene	U		0.000304	0.00118	1.06	03/17/2018 04:07	WG1085804
sec-Butylbenzene	U		0.000237	0.00118	1.06	03/17/2018 04:07	WG1085804
tert-Butylbenzene	U		0.000242	0.00118	1.06	03/17/2018 04:07	WG1085804
Carbon disulfide	U		0.000260	0.00118	1.06	03/17/2018 04:07	WG1085804
Carbon tetrachloride	U		0.000387	0.00118	1.06	03/17/2018 04:07	WG1085804
Chlorobenzene	U		0.000250	0.00118	1.06	03/17/2018 04:07	WG1085804
Chlorodibromomethane	U		0.000439	0.00118	1.06	03/17/2018 04:07	WG1085804
Chloroethane	U		0.00111	0.00589	1.06	03/17/2018 04:07	WG1085804
Chloroform	U		0.000270	0.00589	1.06	03/17/2018 04:07	WG1085804
Chloromethane	U		0.000442	0.00295	1.06	03/17/2018 04:07	WG1085804
2-Chlorotoluene	U		0.000355	0.00118	1.06	03/17/2018 04:07	WG1085804
4-Chlorotoluene	U		0.000282	0.00118	1.06	03/17/2018 04:07	WG1085804
1,2-Dibromo-3-Chloropropane	U		0.00123	0.00589	1.06	03/17/2018 04:07	WG1085804
1,2-Dibromoethane	U		0.000405	0.00118	1.06	03/17/2018 04:07	WG1085804
Dibromomethane	U		0.000450	0.00118	1.06	03/17/2018 04:07	WG1085804
1,2-Dichlorobenzene	U		0.000359	0.00118	1.06	03/17/2018 04:07	WG1085804
1,3-Dichlorobenzene	U		0.000281	0.00118	1.06	03/17/2018 04:07	WG1085804
1,4-Dichlorobenzene	U		0.000267	0.00118	1.06	03/17/2018 04:07	WG1085804
Dichlorodifluoromethane	U		0.000840	0.00589	1.06	03/17/2018 04:07	WG1085804
1,1-Dichloroethane	U		0.000235	0.00118	1.06	03/17/2018 04:07	WG1085804
1,2-Dichloroethane	U		0.000312	0.00118	1.06	03/17/2018 04:07	WG1085804
1,1-Dichloroethene	U		0.000357	0.00118	1.06	03/17/2018 04:07	WG1085804
cis-1,2-Dichloroethene	0.000359	J	0.000261	0.00111	1	03/22/2018 15:04	WG1085804
trans-1,2-Dichloroethene	U		0.000311	0.00118	1.06	03/17/2018 04:07	WG1085804
1,2-Dichloropropane	U		0.000421	0.00118	1.06	03/17/2018 04:07	WG1085804
1,1-Dichloropropene	U		0.000374	0.00118	1.06	03/17/2018 04:07	WG1085804
1,3-Dichloropropane	U		0.000243	0.00118	1.06	03/17/2018 04:07	WG1085804
cis-1,3-Dichloropropene	U		0.000309	0.00118	1.06	03/17/2018 04:07	WG1085804
trans-1,3-Dichloropropene	U		0.000315	0.00118	1.06	03/17/2018 04:07	WG1085804
trans-1,4-Dichloro-2-butene	U	J3	0.000917	0.00295	1.06	03/17/2018 04:07	WG1085804
2,2-Dichloropropane	U		0.000329	0.00118	1.06	03/17/2018 04:07	WG1085804
Di-isopropyl ether	U		0.000292	0.00118	1.06	03/17/2018 04:07	WG1085804
Ethylbenzene	U		0.000350	0.00118	1.06	03/17/2018 04:07	WG1085804
Hexachloro-1,3-butadiene	U		0.000402	0.00118	1.06	03/17/2018 04:07	WG1085804
2-Hexanone	U		0.00161	0.0118	1.06	03/17/2018 04:07	WG1085804
n-Hexane	U		0.000341	0.0118	1.06	03/17/2018 04:07	WG1085804
Iodomethane	U		0.00298	0.0118	1.06	03/17/2018 04:07	WG1085804
Isopropylbenzene	U		0.000287	0.00118	1.06	03/17/2018 04:07	WG1085804
p-Isopropyltoluene	U		0.000240	0.00118	1.06	03/17/2018 04:07	WG1085804
2-Butanone (MEK)	U		0.00551	0.0118	1.06	03/17/2018 04:07	WG1085804
Methylene Chloride	U		0.00118	0.00589	1.06	03/17/2018 04:07	WG1085804
4-Methyl-2-pentanone (MIBK)	U		0.00221	0.0118	1.06	03/17/2018 04:07	WG1085804

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000250	0.00118	1.06	03/17/2018 04:07	WG1085804
Naphthalene	U		0.00118	0.00589	1.06	03/17/2018 04:07	WG1085804
n-Propylbenzene	U		0.000242	0.00118	1.06	03/17/2018 04:07	WG1085804
Styrene	U		0.000276	0.00118	1.06	03/17/2018 04:07	WG1085804
1,1,1,2-Tetrachloroethane	U		0.000311	0.00118	1.06	03/17/2018 04:07	WG1085804
1,1,2,2-Tetrachloroethane	U		0.000430	0.00118	1.06	03/17/2018 04:07	WG1085804
1,1,2-Trichlorotrifluoroethane	U		0.000430	0.00118	1.06	03/17/2018 04:07	WG1085804
Tetrachloroethene	0.000583	J	0.000307	0.00111	1	03/22/2018 15:04	WG1085804
Toluene	U		0.000511	0.00589	1.06	03/17/2018 04:07	WG1085804
1,2,3-Trichlorobenzene	U		0.000360	0.00118	1.06	03/17/2018 04:07	WG1085804
1,2,4-Trichlorobenzene	U		0.000457	0.00118	1.06	03/17/2018 04:07	WG1085804
1,1,1-Trichloroethane	U		0.000337	0.00118	1.06	03/17/2018 04:07	WG1085804
1,1,2-Trichloroethane	U		0.000327	0.00118	1.06	03/17/2018 04:07	WG1085804
Trichloroethene	U		0.000329	0.00118	1.06	03/17/2018 04:07	WG1085804
Trichlorofluoromethane	U		0.000450	0.00589	1.06	03/17/2018 04:07	WG1085804
1,2,3-Trichloropropane	U		0.000873	0.00295	1.06	03/17/2018 04:07	WG1085804
1,2,4-Trimethylbenzene	U		0.000249	0.00118	1.06	03/17/2018 04:07	WG1085804
1,2,3-Trimethylbenzene	U		0.000338	0.00118	1.06	03/17/2018 04:07	WG1085804
1,3,5-Trimethylbenzene	U		0.000314	0.00118	1.06	03/17/2018 04:07	WG1085804
Vinyl acetate	U		0.00281	0.0118	1.06	03/17/2018 04:07	WG1085804
Vinyl chloride	U		0.000342	0.00118	1.06	03/17/2018 04:07	WG1085804
Xylenes, Total	U		0.000823	0.00354	1.06	03/17/2018 04:07	WG1085804
(S) Toluene-d8	*96.7*			*80.0-120*		*03/17/2018 04:07*	WG1085804
(S) Toluene-d8	*98.3*			*80.0-120*		*03/22/2018 15:04*	WG1085804
(S) Dibromofluoromethane	*111*			*74.0-131*		*03/17/2018 04:07*	WG1085804
(S) Dibromofluoromethane	*101*			*74.0-131*		*03/22/2018 15:04*	WG1085804
(S) 4-Bromofluorobenzene	*90.0*			*64.0-132*		*03/22/2018 15:04*	WG1085804
(S) 4-Bromofluorobenzene	*97.7*			*64.0-132*		*03/17/2018 04:07*	WG1085804

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	92.7		1	03/20/2018 13:24	WG1086785

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0108	0.0539	1	03/17/2018 04:27	WG1085804
Acrylonitrile	U		0.00193	0.0108	1	03/17/2018 04:27	WG1085804
Benzene	U		0.000291	0.00108	1	03/17/2018 04:27	WG1085804
Bromobenzene	U		0.000306	0.00108	1	03/17/2018 04:27	WG1085804
Bromodichloromethane	U		0.000274	0.00108	1	03/17/2018 04:27	WG1085804
Bromochloromethane	U		0.000421	0.00539	1	03/17/2018 04:27	WG1085804
Bromoform	U		0.000457	0.00108	1	03/17/2018 04:27	WG1085804
Bromomethane	U		0.00145	0.00539	1	03/17/2018 04:27	WG1085804
n-Butylbenzene	U		0.000278	0.00108	1	03/17/2018 04:27	WG1085804
sec-Butylbenzene	U		0.000217	0.00108	1	03/17/2018 04:27	WG1085804
tert-Butylbenzene	U		0.000222	0.00108	1	03/17/2018 04:27	WG1085804
Carbon disulfide	U		0.000238	0.00108	1	03/17/2018 04:27	WG1085804
Carbon tetrachloride	U		0.000354	0.00108	1	03/17/2018 04:27	WG1085804
Chlorobenzene	U		0.000229	0.00108	1	03/17/2018 04:27	WG1085804
Chlorodibromomethane	U		0.000402	0.00108	1	03/17/2018 04:27	WG1085804
Chloroethane	U		0.00102	0.00539	1	03/17/2018 04:27	WG1085804
Chloroform	U		0.000247	0.00539	1	03/17/2018 04:27	WG1085804
Chloromethane	U		0.000404	0.00270	1	03/17/2018 04:27	WG1085804
2-Chlorotoluene	U		0.000325	0.00108	1	03/17/2018 04:27	WG1085804
4-Chlorotoluene	U		0.000259	0.00108	1	03/17/2018 04:27	WG1085804
1,2-Dibromo-3-Chloropropane	U		0.00113	0.00539	1	03/17/2018 04:27	WG1085804
1,2-Dibromoethane	U		0.000370	0.00108	1	03/17/2018 04:27	WG1085804
Dibromomethane	U		0.000412	0.00108	1	03/17/2018 04:27	WG1085804
1,2-Dichlorobenzene	U		0.000329	0.00108	1	03/17/2018 04:27	WG1085804
1,3-Dichlorobenzene	U		0.000258	0.00108	1	03/17/2018 04:27	WG1085804
1,4-Dichlorobenzene	U		0.000244	0.00108	1	03/17/2018 04:27	WG1085804
Dichlorodifluoromethane	U		0.000769	0.00539	1	03/17/2018 04:27	WG1085804
1,1-Dichloroethane	U		0.000215	0.00108	1	03/17/2018 04:27	WG1085804
1,2-Dichloroethane	U		0.000286	0.00108	1	03/17/2018 04:27	WG1085804
1,1-Dichloroethene	U		0.000327	0.00108	1	03/17/2018 04:27	WG1085804
cis-1,2-Dichloroethene	0.0108		0.000253	0.00108	1	03/17/2018 04:27	WG1085804
trans-1,2-Dichloroethene	U		0.000285	0.00108	1	03/17/2018 04:27	WG1085804
1,2-Dichloropropane	U		0.000386	0.00108	1	03/17/2018 04:27	WG1085804
1,1-Dichloropropene	U		0.000342	0.00108	1	03/17/2018 04:27	WG1085804
1,3-Dichloropropane	U		0.000223	0.00108	1	03/17/2018 04:27	WG1085804
cis-1,3-Dichloropropene	U		0.000283	0.00108	1	03/17/2018 04:27	WG1085804
trans-1,3-Dichloropropene	U		0.000288	0.00108	1	03/17/2018 04:27	WG1085804
trans-1,4-Dichloro-2-butene	U	J3	0.000839	0.00270	1	03/17/2018 04:27	WG1085804
2,2-Dichloropropane	U		0.000301	0.00108	1	03/17/2018 04:27	WG1085804
Di-isopropyl ether	U		0.000267	0.00108	1	03/17/2018 04:27	WG1085804
Ethylbenzene	U		0.000320	0.00108	1	03/17/2018 04:27	WG1085804
Hexachloro-1,3-butadiene	U		0.000369	0.00108	1	03/17/2018 04:27	WG1085804
2-Hexanone	U		0.00148	0.0108	1	03/17/2018 04:27	WG1085804
n-Hexane	U		0.000313	0.0108	1	03/17/2018 04:27	WG1085804
Iodomethane	U		0.00273	0.0108	1	03/17/2018 04:27	WG1085804
Isopropylbenzene	U		0.000262	0.00108	1	03/17/2018 04:27	WG1085804
p-Isopropyltoluene	U		0.000220	0.00108	1	03/17/2018 04:27	WG1085804
2-Butanone (MEK)	U		0.00505	0.0108	1	03/17/2018 04:27	WG1085804
Methylene Chloride	U		0.00108	0.00539	1	03/17/2018 04:27	WG1085804
4-Methyl-2-pentanone (MIBK)	U		0.00203	0.0108	1	03/17/2018 04:27	WG1085804

Volatile Organic Compounds (GC/MS) by Method 8260C

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg		date / time	
Methyl tert-butyl ether	U		0.000229	0.00108	1	03/17/2018 04:27	WG1085804
Naphthalene	U		0.00108	0.00539	1	03/17/2018 04:27	WG1085804
n-Propylbenzene	U		0.000222	0.00108	1	03/17/2018 04:27	WG1085804
Styrene	U		0.000252	0.00108	1	03/17/2018 04:27	WG1085804
1,1,1,2-Tetrachloroethane	U		0.000285	0.00108	1	03/17/2018 04:27	WG1085804
1,1,2,2-Tetrachloroethane	U		0.000394	0.00108	1	03/17/2018 04:27	WG1085804
1,1,2-Trichlorotrifluoroethane	U		0.000394	0.00108	1	03/17/2018 04:27	WG1085804
Tetrachloroethene	0.00474		0.000298	0.00108	1	03/17/2018 04:27	WG1085804
Toluene	U		0.000468	0.00539	1	03/17/2018 04:27	WG1085804
1,2,3-Trichlorobenzene	U		0.000330	0.00108	1	03/17/2018 04:27	WG1085804
1,2,4-Trichlorobenzene	U		0.000418	0.00108	1	03/17/2018 04:27	WG1085804
1,1,1-Trichloroethane	U		0.000308	0.00108	1	03/17/2018 04:27	WG1085804
1,1,2-Trichloroethane	U		0.000299	0.00108	1	03/17/2018 04:27	WG1085804
Trichloroethene	0.000938	J	0.000301	0.00108	1	03/17/2018 04:27	WG1085804
Trichlorofluoromethane	U		0.000412	0.00539	1	03/17/2018 04:27	WG1085804
1,2,3-Trichloropropane	U		0.000799	0.00270	1	03/17/2018 04:27	WG1085804
1,2,4-Trimethylbenzene	U		0.000228	0.00108	1	03/17/2018 04:27	WG1085804
1,2,3-Trimethylbenzene	U		0.000310	0.00108	1	03/17/2018 04:27	WG1085804
1,3,5-Trimethylbenzene	U		0.000287	0.00108	1	03/17/2018 04:27	WG1085804
Vinyl acetate	U		0.00258	0.0108	1	03/17/2018 04:27	WG1085804
Vinyl chloride	0.00100	J	0.000314	0.00108	1	03/17/2018 04:27	WG1085804
Xylenes, Total	U		0.000753	0.00324	1	03/17/2018 04:27	WG1085804
(S) Toluene-d8	*97.0*			*80.0-120*		*03/17/2018 04:27*	WG1085804
(S) Dibromofluoromethane	*111*			*74.0-131*		*03/17/2018 04:27*	WG1085804
(S) 4-Bromofluorobenzene	*98.8*			*64.0-132*		*03/17/2018 04:27*	WG1085804

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	84.0		1	03/20/2018 13:24	WG1086785

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0119	0.0595	1	03/17/2018 04:47	WG1085804
Acrylonitrile	U		0.00213	0.0119	1	03/17/2018 04:47	WG1085804
Benzene	U		0.000321	0.00119	1	03/17/2018 04:47	WG1085804
Bromobenzene	U		0.000338	0.00119	1	03/17/2018 04:47	WG1085804
Bromodichloromethane	U		0.000302	0.00119	1	03/17/2018 04:47	WG1085804
Bromochloromethane	U		0.000464	0.00595	1	03/17/2018 04:47	WG1085804
Bromoform	U		0.000505	0.00119	1	03/17/2018 04:47	WG1085804
Bromomethane	U		0.00160	0.00595	1	03/17/2018 04:47	WG1085804
n-Butylbenzene	U		0.000307	0.00119	1	03/17/2018 04:47	WG1085804
sec-Butylbenzene	U		0.000239	0.00119	1	03/17/2018 04:47	WG1085804
tert-Butylbenzene	U		0.000245	0.00119	1	03/17/2018 04:47	WG1085804
Carbon disulfide	U		0.000263	0.00119	1	03/17/2018 04:47	WG1085804
Carbon tetrachloride	U		0.000390	0.00119	1	03/17/2018 04:47	WG1085804
Chlorobenzene	U		0.000252	0.00119	1	03/17/2018 04:47	WG1085804
Chlorodibromomethane	U		0.000444	0.00119	1	03/17/2018 04:47	WG1085804
Chloroethane	0.00124	J	0.00113	0.00595	1	03/17/2018 04:47	WG1085804
Chloroform	U		0.000273	0.00595	1	03/17/2018 04:47	WG1085804
Chloromethane	U		0.000446	0.00298	1	03/17/2018 04:47	WG1085804
2-Chlorotoluene	U		0.000358	0.00119	1	03/17/2018 04:47	WG1085804
4-Chlorotoluene	U		0.000286	0.00119	1	03/17/2018 04:47	WG1085804
1,2-Dibromo-3-Chloropropane	U		0.00125	0.00595	1	03/17/2018 04:47	WG1085804
1,2-Dibromoethane	U		0.000408	0.00119	1	03/17/2018 04:47	WG1085804
Dibromomethane	U		0.000455	0.00119	1	03/17/2018 04:47	WG1085804
1,2-Dichlorobenzene	U		0.000363	0.00119	1	03/17/2018 04:47	WG1085804
1,3-Dichlorobenzene	U		0.000285	0.00119	1	03/17/2018 04:47	WG1085804
1,4-Dichlorobenzene	U		0.000269	0.00119	1	03/17/2018 04:47	WG1085804
Dichlorodifluoromethane	U		0.000849	0.00595	1	03/17/2018 04:47	WG1085804
1,1-Dichloroethane	U		0.000237	0.00119	1	03/17/2018 04:47	WG1085804
1,2-Dichloroethane	U		0.000315	0.00119	1	03/17/2018 04:47	WG1085804
1,1-Dichloroethene	0.00196		0.000361	0.00119	1	03/17/2018 04:47	WG1085804
cis-1,2-Dichloroethene	0.946		0.0140	0.0595	50	03/22/2018 15:31	WG1085804
trans-1,2-Dichloroethene	0.00231		0.000314	0.00119	1	03/17/2018 04:47	WG1085804
1,2-Dichloropropane	U		0.000426	0.00119	1	03/17/2018 04:47	WG1085804
1,1-Dichloropropene	U		0.000377	0.00119	1	03/17/2018 04:47	WG1085804
1,3-Dichloropropane	U		0.000246	0.00119	1	03/17/2018 04:47	WG1085804
cis-1,3-Dichloropropene	U		0.000312	0.00119	1	03/17/2018 04:47	WG1085804
trans-1,3-Dichloropropene	U		0.000318	0.00119	1	03/17/2018 04:47	WG1085804
trans-1,4-Dichloro-2-butene	U	J3	0.000926	0.00298	1	03/17/2018 04:47	WG1085804
2,2-Dichloropropane	U		0.000332	0.00119	1	03/17/2018 04:47	WG1085804
Di-isopropyl ether	U		0.000295	0.00119	1	03/17/2018 04:47	WG1085804
Ethylbenzene	U		0.000354	0.00119	1	03/17/2018 04:47	WG1085804
Hexachloro-1,3-butadiene	U		0.000407	0.00119	1	03/17/2018 04:47	WG1085804
2-Hexanone	U		0.00163	0.0119	1	03/17/2018 04:47	WG1085804
n-Hexane	U		0.000345	0.0119	1	03/17/2018 04:47	WG1085804
Iodomethane	U		0.00301	0.0119	1	03/17/2018 04:47	WG1085804
Isopropylbenzene	U		0.000289	0.00119	1	03/17/2018 04:47	WG1085804
p-Isopropyltoluene	U		0.000243	0.00119	1	03/17/2018 04:47	WG1085804
2-Butanone (MEK)	U		0.00557	0.0119	1	03/17/2018 04:47	WG1085804
Methylene Chloride	U		0.00119	0.00595	1	03/17/2018 04:47	WG1085804
4-Methyl-2-pentanone (MIBK)	U		0.00224	0.0119	1	03/17/2018 04:47	WG1085804

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000252	0.00119	1	03/17/2018 04:47	WG1085804
Naphthalene	U		0.00119	0.00595	1	03/17/2018 04:47	WG1085804
n-Propylbenzene	U		0.000245	0.00119	1	03/17/2018 04:47	WG1085804
Styrene	U		0.000279	0.00119	1	03/17/2018 04:47	WG1085804
1,1,1,2-Tetrachloroethane	U		0.000314	0.00119	1	03/17/2018 04:47	WG1085804
1,1,2,2-Tetrachloroethane	U		0.000435	0.00119	1	03/17/2018 04:47	WG1085804
1,1,2-Trichlorotrifluoroethane	U		0.000435	0.00119	1	03/17/2018 04:47	WG1085804
Tetrachloroethene	5.39		0.0164	0.0595	50	03/22/2018 15:31	WG1085804
Toluene	U		0.000517	0.00595	1	03/17/2018 04:47	WG1085804
1,2,3-Trichlorobenzene	U		0.000364	0.00119	1	03/17/2018 04:47	WG1085804
1,2,4-Trichlorobenzene	U		0.000462	0.00119	1	03/17/2018 04:47	WG1085804
1,1,1-Trichloroethane	U		0.000340	0.00119	1	03/17/2018 04:47	WG1085804
1,1,2-Trichloroethane	U		0.000330	0.00119	1	03/17/2018 04:47	WG1085804
Trichloroethene	0.768		0.0167	0.0595	50	03/22/2018 15:31	WG1085804
Trichlorofluoromethane	U		0.000455	0.00595	1	03/17/2018 04:47	WG1085804
1,2,3-Trichloropropane	U		0.000882	0.00298	1	03/17/2018 04:47	WG1085804
1,2,4-Trimethylbenzene	U		0.000251	0.00119	1	03/17/2018 04:47	WG1085804
1,2,3-Trimethylbenzene	U		0.000342	0.00119	1	03/17/2018 04:47	WG1085804
1,3,5-Trimethylbenzene	U		0.000317	0.00119	1	03/17/2018 04:47	WG1085804
Vinyl acetate	U		0.00285	0.0119	1	03/17/2018 04:47	WG1085804
Vinyl chloride	0.0426		0.000346	0.00119	1	03/17/2018 04:47	WG1085804
Xylenes, Total	U		0.000831	0.00357	1	03/17/2018 04:47	WG1085804
(S) Toluene-d8	*116*			*80.0-120*		*03/22/2018 15:31*	WG1085804
(S) Toluene-d8	*95.8*			*80.0-120*		*03/17/2018 04:47*	WG1085804
(S) Dibromofluoromethane	*109*			*74.0-131*		*03/17/2018 04:47*	WG1085804
(S) Dibromofluoromethane	*96.1*			*74.0-131*		*03/22/2018 15:31*	WG1085804
(S) 4-Bromofluorobenzene	*92.9*			*64.0-132*		*03/22/2018 15:31*	WG1085804
(S) 4-Bromofluorobenzene	*100*			*64.0-132*		*03/17/2018 04:47*	WG1085804

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	90.4		1	03/20/2018 13:24	WG1086785

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0111	0.0553	1	03/17/2018 05:06	WG1085804
Acrylonitrile	U		0.00198	0.0111	1	03/17/2018 05:06	WG1085804
Benzene	U		0.000299	0.00111	1	03/17/2018 05:06	WG1085804
Bromobenzene	U		0.000314	0.00111	1	03/17/2018 05:06	WG1085804
Bromodichloromethane	U		0.000281	0.00111	1	03/17/2018 05:06	WG1085804
Bromochloromethane	U		0.000431	0.00553	1	03/17/2018 05:06	WG1085804
Bromoform	U		0.000469	0.00111	1	03/17/2018 05:06	WG1085804
Bromomethane	U		0.00148	0.00553	1	03/17/2018 05:06	WG1085804
n-Butylbenzene	U		0.000285	0.00111	1	03/17/2018 05:06	WG1085804
sec-Butylbenzene	U		0.000222	0.00111	1	03/17/2018 05:06	WG1085804
tert-Butylbenzene	U		0.000228	0.00111	1	03/17/2018 05:06	WG1085804
Carbon disulfide	0.000657	J	0.000245	0.00111	1	03/17/2018 05:06	WG1085804
Carbon tetrachloride	U		0.000363	0.00111	1	03/17/2018 05:06	WG1085804
Chlorobenzene	U		0.000235	0.00111	1	03/17/2018 05:06	WG1085804
Chlorodibromomethane	U		0.000413	0.00111	1	03/17/2018 05:06	WG1085804
Chloroethane	U		0.00105	0.00553	1	03/17/2018 05:06	WG1085804
Chloroform	U		0.000253	0.00553	1	03/17/2018 05:06	WG1085804
Chloromethane	U		0.000415	0.00277	1	03/17/2018 05:06	WG1085804
2-Chlorotoluene	U		0.000333	0.00111	1	03/17/2018 05:06	WG1085804
4-Chlorotoluene	U		0.000266	0.00111	1	03/17/2018 05:06	WG1085804
1,2-Dibromo-3-Chloropropane	U		0.00116	0.00553	1	03/17/2018 05:06	WG1085804
1,2-Dibromoethane	U		0.000379	0.00111	1	03/17/2018 05:06	WG1085804
Dibromomethane	U		0.000423	0.00111	1	03/17/2018 05:06	WG1085804
1,2-Dichlorobenzene	U		0.000337	0.00111	1	03/17/2018 05:06	WG1085804
1,3-Dichlorobenzene	U		0.000264	0.00111	1	03/17/2018 05:06	WG1085804
1,4-Dichlorobenzene	U		0.000250	0.00111	1	03/17/2018 05:06	WG1085804
Dichlorodifluoromethane	U		0.000789	0.00553	1	03/17/2018 05:06	WG1085804
1,1-Dichloroethane	U		0.000220	0.00111	1	03/17/2018 05:06	WG1085804
1,2-Dichloroethane	U		0.000293	0.00111	1	03/17/2018 05:06	WG1085804
1,1-Dichloroethene	0.00182		0.000335	0.00111	1	03/17/2018 05:06	WG1085804
cis-1,2-Dichloroethene	0.143		0.00651	0.0277	25	03/22/2018 15:52	WG1085804
trans-1,2-Dichloroethene	0.00177		0.000292	0.00111	1	03/17/2018 05:06	WG1085804
1,2-Dichloropropane	U		0.000396	0.00111	1	03/17/2018 05:06	WG1085804
1,1-Dichloropropene	U		0.000351	0.00111	1	03/17/2018 05:06	WG1085804
1,3-Dichloropropane	U		0.000229	0.00111	1	03/17/2018 05:06	WG1085804
cis-1,3-Dichloropropene	U		0.000290	0.00111	1	03/17/2018 05:06	WG1085804
trans-1,3-Dichloropropene	U		0.000295	0.00111	1	03/17/2018 05:06	WG1085804
trans-1,4-Dichloro-2-butene	U	J3	0.000861	0.00277	1	03/17/2018 05:06	WG1085804
2,2-Dichloropropane	U		0.000309	0.00111	1	03/17/2018 05:06	WG1085804
Di-isopropyl ether	U		0.000274	0.00111	1	03/17/2018 05:06	WG1085804
Ethylbenzene	U		0.000329	0.00111	1	03/17/2018 05:06	WG1085804
Hexachloro-1,3-butadiene	U		0.000378	0.00111	1	03/17/2018 05:06	WG1085804
2-Hexanone	U		0.00152	0.0111	1	03/17/2018 05:06	WG1085804
n-Hexane	U		0.000321	0.0111	1	03/17/2018 05:06	WG1085804
Iodomethane	U		0.00280	0.0111	1	03/17/2018 05:06	WG1085804
Isopropylbenzene	U		0.000269	0.00111	1	03/17/2018 05:06	WG1085804
p-Isopropyltoluene	U		0.000226	0.00111	1	03/17/2018 05:06	WG1085804
2-Butanone (MEK)	U		0.00518	0.0111	1	03/17/2018 05:06	WG1085804
Methylene Chloride	U		0.00111	0.00553	1	03/17/2018 05:06	WG1085804
4-Methyl-2-pentanone (MIBK)	U		0.00208	0.0111	1	03/17/2018 05:06	WG1085804

IW-8C-30

Collected date/time: 03/14/18 09:50

SAMPLE RESULTS - 19

L977743

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000235	0.00111	1	03/17/2018 05:06	WG1085804
Naphthalene	U		0.00111	0.00553	1	03/17/2018 05:06	WG1085804
n-Propylbenzene	U		0.000228	0.00111	1	03/17/2018 05:06	WG1085804
Styrene	U		0.000259	0.00111	1	03/17/2018 05:06	WG1085804
1,1,1,2-Tetrachloroethane	U		0.000292	0.00111	1	03/17/2018 05:06	WG1085804
1,1,2,2-Tetrachloroethane	U		0.000404	0.00111	1	03/17/2018 05:06	WG1085804
1,1,2-Trichlorotrifluoroethane	U		0.000404	0.00111	1	03/17/2018 05:06	WG1085804
Tetrachloroethene	0.798		0.00763	0.0277	25	03/22/2018 15:52	WG1085804
Toluene	U		0.000480	0.00553	1	03/17/2018 05:06	WG1085804
1,2,3-Trichlorobenzene	U		0.000339	0.00111	1	03/17/2018 05:06	WG1085804
1,2,4-Trichlorobenzene	U		0.000429	0.00111	1	03/17/2018 05:06	WG1085804
1,1,1-Trichloroethane	U		0.000316	0.00111	1	03/17/2018 05:06	WG1085804
1,1,2-Trichloroethane	U		0.000306	0.00111	1	03/17/2018 05:06	WG1085804
Trichloroethene	0.0947		0.00772	0.0277	25	03/22/2018 15:52	WG1085804
Trichlorofluoromethane	U		0.000423	0.00553	1	03/17/2018 05:06	WG1085804
1,2,3-Trichloropropane	U		0.000820	0.00277	1	03/17/2018 05:06	WG1085804
1,2,4-Trimethylbenzene	U		0.000233	0.00111	1	03/17/2018 05:06	WG1085804
1,2,3-Trimethylbenzene	U		0.000318	0.00111	1	03/17/2018 05:06	WG1085804
1,3,5-Trimethylbenzene	U		0.000294	0.00111	1	03/17/2018 05:06	WG1085804
Vinyl acetate	U		0.00264	0.0111	1	03/17/2018 05:06	WG1085804
Vinyl chloride	0.0814		0.000322	0.00111	1	03/17/2018 05:06	WG1085804
Xylenes, Total	U		0.000772	0.00332	1	03/17/2018 05:06	WG1085804
(S) Toluene-d8	*98.8*			*80.0-120*		*03/17/2018 05:06*	WG1085804
(S) Toluene-d8	*103*			*80.0-120*		*03/22/2018 15:52*	WG1085804
(S) Dibromofluoromethane	*107*			*74.0-131*		*03/17/2018 05:06*	WG1085804
(S) Dibromofluoromethane	*90.5*			*74.0-131*		*03/22/2018 15:52*	WG1085804
(S) 4-Bromofluorobenzene	*95.2*			*64.0-132*		*03/17/2018 05:06*	WG1085804
(S) 4-Bromofluorobenzene	*92.6*			*64.0-132*		*03/22/2018 15:52*	WG1085804

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch
Analyte	%			date / time	
Total Solids	86.4		1	03/20/2018 13:24	WG1086785

Volatile Organic Compounds (GC/MS) by Method 8260C

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0116	0.0578	1	03/17/2018 05:26	WG1085804
Acrylonitrile	U		0.00207	0.0116	1	03/17/2018 05:26	WG1085804
Benzene	U		0.000312	0.00116	1	03/17/2018 05:26	WG1085804
Bromobenzene	U		0.000329	0.00116	1	03/17/2018 05:26	WG1085804
Bromodichloromethane	U		0.000294	0.00116	1	03/17/2018 05:26	WG1085804
Bromochloromethane	U		0.000451	0.00578	1	03/17/2018 05:26	WG1085804
Bromoform	U		0.000490	0.00116	1	03/17/2018 05:26	WG1085804
Bromomethane	U		0.00155	0.00578	1	03/17/2018 05:26	WG1085804
n-Butylbenzene	U		0.000298	0.00116	1	03/17/2018 05:26	WG1085804
sec-Butylbenzene	U		0.000233	0.00116	1	03/17/2018 05:26	WG1085804
tert-Butylbenzene	U		0.000238	0.00116	1	03/17/2018 05:26	WG1085804
Carbon disulfide	0.000847	J	0.000256	0.00116	1	03/17/2018 05:26	WG1085804
Carbon tetrachloride	U		0.000379	0.00116	1	03/17/2018 05:26	WG1085804
Chlorobenzene	U		0.000245	0.00116	1	03/17/2018 05:26	WG1085804
Chlorodibromomethane	U		0.000431	0.00116	1	03/17/2018 05:26	WG1085804
Chloroethane	U		0.00109	0.00578	1	03/17/2018 05:26	WG1085804
Chloroform	U		0.000265	0.00578	1	03/17/2018 05:26	WG1085804
Chloromethane	U		0.000434	0.00289	1	03/17/2018 05:26	WG1085804
2-Chlorotoluene	U		0.000348	0.00116	1	03/17/2018 05:26	WG1085804
4-Chlorotoluene	U		0.000278	0.00116	1	03/17/2018 05:26	WG1085804
1,2-Dibromo-3-Chloropropane	U		0.00121	0.00578	1	03/17/2018 05:26	WG1085804
1,2-Dibromoethane	U		0.000397	0.00116	1	03/17/2018 05:26	WG1085804
Dibromomethane	U		0.000442	0.00116	1	03/17/2018 05:26	WG1085804
1,2-Dichlorobenzene	U		0.000353	0.00116	1	03/17/2018 05:26	WG1085804
1,3-Dichlorobenzene	U		0.000276	0.00116	1	03/17/2018 05:26	WG1085804
1,4-Dichlorobenzene	U		0.000261	0.00116	1	03/17/2018 05:26	WG1085804
Dichlorodifluoromethane	U		0.000825	0.00578	1	03/17/2018 05:26	WG1085804
1,1-Dichloroethane	U		0.000230	0.00116	1	03/17/2018 05:26	WG1085804
1,2-Dichloroethane	U		0.000307	0.00116	1	03/17/2018 05:26	WG1085804
1,1-Dichloroethene	0.000599	J	0.000351	0.00116	1	03/17/2018 05:26	WG1085804
cis-1,2-Dichloroethene	0.162		0.000272	0.00116	1	03/17/2018 05:26	WG1085804
trans-1,2-Dichloroethene	0.000842	J	0.000305	0.00116	1	03/17/2018 05:26	WG1085804
1,2-Dichloropropane	U		0.000414	0.00116	1	03/17/2018 05:26	WG1085804
1,1-Dichloropropene	U		0.000367	0.00116	1	03/17/2018 05:26	WG1085804
1,3-Dichloropropane	U		0.000239	0.00116	1	03/17/2018 05:26	WG1085804
cis-1,3-Dichloropropene	U		0.000303	0.00116	1	03/17/2018 05:26	WG1085804
trans-1,3-Dichloropropene	U		0.000309	0.00116	1	03/17/2018 05:26	WG1085804
trans-1,4-Dichloro-2-butene	U	J3	0.000900	0.00289	1	03/17/2018 05:26	WG1085804
2,2-Dichloropropane	U		0.000323	0.00116	1	03/17/2018 05:26	WG1085804
Di-isopropyl ether	U		0.000287	0.00116	1	03/17/2018 05:26	WG1085804
Ethylbenzene	U		0.000344	0.00116	1	03/17/2018 05:26	WG1085804
Hexachloro-1,3-butadiene	U		0.000396	0.00116	1	03/17/2018 05:26	WG1085804
2-Hexanone	U		0.00158	0.0116	1	03/17/2018 05:26	WG1085804
n-Hexane	0.000832	J	0.000335	0.0116	1	03/17/2018 05:26	WG1085804
Iodomethane	U		0.00293	0.0116	1	03/17/2018 05:26	WG1085804
Isopropylbenzene	U		0.000281	0.00116	1	03/17/2018 05:26	WG1085804
p-Isopropyltoluene	U		0.000236	0.00116	1	03/17/2018 05:26	WG1085804
2-Butanone (MEK)	U		0.00541	0.0116	1	03/17/2018 05:26	WG1085804
Methylene Chloride	U		0.00116	0.00578	1	03/17/2018 05:26	WG1085804
4-Methyl-2-pentanone (MIBK)	U		0.00217	0.0116	1	03/17/2018 05:26	WG1085804

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000245	0.00116	1	03/17/2018 05:26	WG1085804
Naphthalene	U		0.00116	0.00578	1	03/17/2018 05:26	WG1085804
n-Propylbenzene	U		0.000238	0.00116	1	03/17/2018 05:26	WG1085804
Styrene	U		0.000271	0.00116	1	03/17/2018 05:26	WG1085804
1,1,1,2-Tetrachloroethane	U		0.000305	0.00116	1	03/17/2018 05:26	WG1085804
1,1,2,2-Tetrachloroethane	U		0.000422	0.00116	1	03/17/2018 05:26	WG1085804
1,1,2-Trichlorotrifluoroethane	U		0.000422	0.00116	1	03/17/2018 05:26	WG1085804
Tetrachloroethene	0.833		0.00798	0.0289	25	03/22/2018 16:02	WG1085804
Toluene	U		0.000502	0.00578	1	03/17/2018 05:26	WG1085804
1,2,3-Trichlorobenzene	U		0.000354	0.00116	1	03/17/2018 05:26	WG1085804
1,2,4-Trichlorobenzene	U		0.000449	0.00116	1	03/17/2018 05:26	WG1085804
1,1,1-Trichloroethane	U		0.000331	0.00116	1	03/17/2018 05:26	WG1085804
1,1,2-Trichloroethane	U		0.000320	0.00116	1	03/17/2018 05:26	WG1085804
Trichloroethene	0.0474		0.000323	0.00116	1	03/17/2018 05:26	WG1085804
Trichlorofluoromethane	U		0.000442	0.00578	1	03/17/2018 05:26	WG1085804
1,2,3-Trichloropropane	U		0.000857	0.00289	1	03/17/2018 05:26	WG1085804
1,2,4-Trimethylbenzene	U		0.000244	0.00116	1	03/17/2018 05:26	WG1085804
1,2,3-Trimethylbenzene	U		0.000332	0.00116	1	03/17/2018 05:26	WG1085804
1,3,5-Trimethylbenzene	U		0.000308	0.00116	1	03/17/2018 05:26	WG1085804
Vinyl acetate	U		0.00276	0.0116	1	03/17/2018 05:26	WG1085804
Vinyl chloride	0.0230		0.000337	0.00116	1	03/17/2018 05:26	WG1085804
Xylenes, Total	U		0.000807	0.00347	1	03/17/2018 05:26	WG1085804
(S) Toluene-d8	*107*			*80.0-120*		*03/22/2018 16:02*	WG1085804
(S) Toluene-d8	*107*			*80.0-120*		*03/17/2018 05:26*	WG1085804
(S) Dibromofluoromethane	*111*			*74.0-131*		*03/17/2018 05:26*	WG1085804
(S) Dibromofluoromethane	*95.5*			*74.0-131*		*03/22/2018 16:02*	WG1085804
(S) 4-Bromofluorobenzene	*97.1*			*64.0-132*		*03/17/2018 05:26*	WG1085804
(S) 4-Bromofluorobenzene	*87.4*			*64.0-132*		*03/22/2018 16:02*	WG1085804

IW-8C-40
Collected date/time: 03/14/18 10:08

SAMPLE RESULTS - 21

L977743

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	86.8		1	03/20/2018 13:24	WG1086785

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0115	0.0576	1	03/17/2018 16:36	WG1085897
Acrylonitrile	U		0.00206	0.0115	1	03/17/2018 16:36	WG1085897
Benzene	U		0.000311	0.00115	1	03/17/2018 16:36	WG1085897
Bromobenzene	U		0.000327	0.00115	1	03/17/2018 16:36	WG1085897
Bromodichloromethane	U		0.000292	0.00115	1	03/17/2018 16:36	WG1085897
Bromochloromethane	U		0.000449	0.00576	1	03/17/2018 16:36	WG1085897
Bromoform	U		0.000488	0.00115	1	03/17/2018 16:36	WG1085897
Bromomethane	U		0.00154	0.00576	1	03/17/2018 16:36	WG1085897
n-Butylbenzene	U		0.000297	0.00115	1	03/17/2018 16:36	WG1085897
sec-Butylbenzene	U		0.000231	0.00115	1	03/17/2018 16:36	WG1085897
tert-Butylbenzene	U		0.000237	0.00115	1	03/17/2018 16:36	WG1085897
Carbon disulfide	0.00126		0.000254	0.00115	1	03/17/2018 16:36	WG1085897
Carbon tetrachloride	U		0.000378	0.00115	1	03/17/2018 16:36	WG1085897
Chlorobenzene	U		0.000244	0.00115	1	03/17/2018 16:36	WG1085897
Chlorodibromomethane	U		0.000430	0.00115	1	03/17/2018 16:36	WG1085897
Chloroethane	U		0.00109	0.00576	1	03/17/2018 16:36	WG1085897
Chloroform	U		0.000264	0.00576	1	03/17/2018 16:36	WG1085897
Chloromethane	U		0.000432	0.00288	1	03/17/2018 16:36	WG1085897
2-Chlorotoluene	U		0.000347	0.00115	1	03/17/2018 16:36	WG1085897
4-Chlorotoluene	U		0.000276	0.00115	1	03/17/2018 16:36	WG1085897
1,2-Dibromo-3-Chloropropane	U		0.00121	0.00576	1	03/17/2018 16:36	WG1085897
1,2-Dibromoethane	U		0.000395	0.00115	1	03/17/2018 16:36	WG1085897
Dibromomethane	U		0.000440	0.00115	1	03/17/2018 16:36	WG1085897
1,2-Dichlorobenzene	U		0.000351	0.00115	1	03/17/2018 16:36	WG1085897
1,3-Dichlorobenzene	U		0.000275	0.00115	1	03/17/2018 16:36	WG1085897
1,4-Dichlorobenzene	U		0.000260	0.00115	1	03/17/2018 16:36	WG1085897
Dichlorodifluoromethane	U		0.000821	0.00576	1	03/17/2018 16:36	WG1085897
1,1-Dichloroethane	U		0.000229	0.00115	1	03/17/2018 16:36	WG1085897
1,2-Dichloroethane	U		0.000305	0.00115	1	03/17/2018 16:36	WG1085897
1,1-Dichloroethene	0.00278		0.000349	0.00115	1	03/17/2018 16:36	WG1085897
cis-1,2-Dichloroethene	1.54		0.0136	0.0576	50	03/22/2018 05:25	WG1085897
trans-1,2-Dichloroethene	0.00250		0.000304	0.00115	1	03/17/2018 16:36	WG1085897
1,2-Dichloropropane	U		0.000412	0.00115	1	03/17/2018 16:36	WG1085897
1,1-Dichloropropene	U		0.000365	0.00115	1	03/17/2018 16:36	WG1085897
1,3-Dichloropropane	U		0.000238	0.00115	1	03/17/2018 16:36	WG1085897
cis-1,3-Dichloropropene	U		0.000302	0.00115	1	03/17/2018 16:36	WG1085897
trans-1,3-Dichloropropene	U		0.000307	0.00115	1	03/17/2018 16:36	WG1085897
trans-1,4-Dichloro-2-butene	U	J0	0.000896	0.00288	1	03/17/2018 16:36	WG1085897
2,2-Dichloropropane	U		0.000321	0.00115	1	03/17/2018 16:36	WG1085897
Di-isopropyl ether	U		0.000286	0.00115	1	03/17/2018 16:36	WG1085897
Ethylbenzene	U		0.000342	0.00115	1	03/17/2018 16:36	WG1085897
Hexachloro-1,3-butadiene	U		0.000394	0.00115	1	03/17/2018 16:36	WG1085897
2-Hexanone	U		0.00158	0.0115	1	03/17/2018 16:36	WG1085897
n-Hexane	U		0.000334	0.0115	1	03/17/2018 16:36	WG1085897
Iodomethane	U	J4	0.00291	0.0115	1	03/17/2018 16:36	WG1085897
Isopropylbenzene	U		0.000280	0.00115	1	03/17/2018 16:36	WG1085897
p-Isopropyltoluene	U		0.000235	0.00115	1	03/17/2018 16:36	WG1085897
2-Butanone (MEK)	U		0.00539	0.0115	1	03/17/2018 16:36	WG1085897
Methylene Chloride	U		0.00115	0.00576	1	03/17/2018 16:36	WG1085897
4-Methyl-2-pentanone (MIBK)	U		0.00216	0.0115	1	03/17/2018 16:36	WG1085897

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000244	0.00115	1	03/17/2018 16:36	WG1085897
Naphthalene	U		0.00115	0.00576	1	03/17/2018 16:36	WG1085897
n-Propylbenzene	U		0.000237	0.00115	1	03/17/2018 16:36	WG1085897
Styrene	U		0.000269	0.00115	1	03/17/2018 16:36	WG1085897
1,1,1,2-Tetrachloroethane	U		0.000304	0.00115	1	03/17/2018 16:36	WG1085897
1,1,2,2-Tetrachloroethane	U		0.000420	0.00115	1	03/17/2018 16:36	WG1085897
1,1,2-Trichlorotrifluoroethane	U	J4	0.000420	0.00115	1	03/17/2018 16:36	WG1085897
Tetrachloroethene	40.7		0.159	0.576	500	03/22/2018 12:40	WG1085897
Toluene	U		0.000500	0.00576	1	03/17/2018 16:36	WG1085897
1,2,3-Trichlorobenzene	U		0.000352	0.00115	1	03/17/2018 16:36	WG1085897
1,2,4-Trichlorobenzene	U		0.000447	0.00115	1	03/17/2018 16:36	WG1085897
1,1,1-Trichloroethane	U		0.000329	0.00115	1	03/17/2018 16:36	WG1085897
1,1,2-Trichloroethane	U		0.000319	0.00115	1	03/17/2018 16:36	WG1085897
Trichloroethene	3.56		0.0161	0.0576	50	03/22/2018 05:25	WG1085897
Trichlorofluoromethane	U	J0	0.000440	0.00576	1	03/17/2018 16:36	WG1085897
1,2,3-Trichloropropane	U		0.000853	0.00288	1	03/17/2018 16:36	WG1085897
1,2,4-Trimethylbenzene	U		0.000243	0.00115	1	03/17/2018 16:36	WG1085897
1,2,3-Trimethylbenzene	U		0.000330	0.00115	1	03/17/2018 16:36	WG1085897
1,3,5-Trimethylbenzene	U		0.000306	0.00115	1	03/17/2018 16:36	WG1085897
Vinyl acetate	U		0.00275	0.0115	1	03/17/2018 16:36	WG1085897
Vinyl chloride	0.0684		0.000335	0.00115	1	03/17/2018 16:36	WG1085897
Xylenes, Total	U		0.000804	0.00345	1	03/17/2018 16:36	WG1085897
(S) Toluene-d8	*99.2*			*80.0-120*		*03/17/2018 16:36*	WG1085897
(S) Toluene-d8	*108*			*80.0-120*		*03/22/2018 05:25*	WG1085897
(S) Toluene-d8	*105*			*80.0-120*		*03/22/2018 12:40*	WG1085897
(S) Dibromofluoromethane	*97.9*			*74.0-131*		*03/22/2018 12:40*	WG1085897
(S) Dibromofluoromethane	*94.5*			*74.0-131*		*03/22/2018 05:25*	WG1085897
(S) Dibromofluoromethane	*106*			*74.0-131*		*03/17/2018 16:36*	WG1085897
(S) 4-Bromofluorobenzene	*89.7*			*64.0-132*		*03/22/2018 05:25*	WG1085897
(S) 4-Bromofluorobenzene	*109*			*64.0-132*		*03/17/2018 16:36*	WG1085897
(S) 4-Bromofluorobenzene	*88.0*			*64.0-132*		*03/22/2018 12:40*	WG1085897

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	88.7		1	03/20/2018 13:24	WG1086785

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0564	1	03/17/2018 16:57	WG1085897
Acrylonitrile	U		0.00202	0.0113	1	03/17/2018 16:57	WG1085897
Benzene	0.000346	J	0.000305	0.00113	1	03/17/2018 16:57	WG1085897
Bromobenzene	U		0.000320	0.00113	1	03/17/2018 16:57	WG1085897
Bromodichloromethane	U		0.000287	0.00113	1	03/17/2018 16:57	WG1085897
Bromochloromethane	U		0.000440	0.00564	1	03/17/2018 16:57	WG1085897
Bromoform	U		0.000478	0.00113	1	03/17/2018 16:57	WG1085897
Bromomethane	U		0.00151	0.00564	1	03/17/2018 16:57	WG1085897
n-Butylbenzene	U		0.000291	0.00113	1	03/17/2018 16:57	WG1085897
sec-Butylbenzene	U		0.000227	0.00113	1	03/17/2018 16:57	WG1085897
tert-Butylbenzene	U		0.000232	0.00113	1	03/17/2018 16:57	WG1085897
Carbon disulfide	0.00111	J	0.000249	0.00113	1	03/17/2018 16:57	WG1085897
Carbon tetrachloride	U		0.000370	0.00113	1	03/17/2018 16:57	WG1085897
Chlorobenzene	U		0.000239	0.00113	1	03/17/2018 16:57	WG1085897
Chlorodibromomethane	U		0.000421	0.00113	1	03/17/2018 16:57	WG1085897
Chloroethane	U		0.00107	0.00564	1	03/17/2018 16:57	WG1085897
Chloroform	U		0.000258	0.00564	1	03/17/2018 16:57	WG1085897
Chloromethane	U		0.000423	0.00282	1	03/17/2018 16:57	WG1085897
2-Chlorotoluene	U		0.000340	0.00113	1	03/17/2018 16:57	WG1085897
4-Chlorotoluene	U		0.000271	0.00113	1	03/17/2018 16:57	WG1085897
1,2-Dibromo-3-Chloropropane	U		0.00118	0.00564	1	03/17/2018 16:57	WG1085897
1,2-Dibromoethane	U		0.000387	0.00113	1	03/17/2018 16:57	WG1085897
Dibromomethane	U		0.000431	0.00113	1	03/17/2018 16:57	WG1085897
1,2-Dichlorobenzene	U		0.000344	0.00113	1	03/17/2018 16:57	WG1085897
1,3-Dichlorobenzene	U		0.000270	0.00113	1	03/17/2018 16:57	WG1085897
1,4-Dichlorobenzene	U		0.000255	0.00113	1	03/17/2018 16:57	WG1085897
Dichlorodifluoromethane	U		0.000804	0.00564	1	03/17/2018 16:57	WG1085897
1,1-Dichloroethane	U		0.000224	0.00113	1	03/17/2018 16:57	WG1085897
1,2-Dichloroethane	U		0.000299	0.00113	1	03/17/2018 16:57	WG1085897
1,1-Dichloroethene	0.00838		0.000342	0.00113	1	03/17/2018 16:57	WG1085897
cis-1,2-Dichloroethene	0.200		0.0133	0.0564	50	03/22/2018 05:44	WG1085897
trans-1,2-Dichloroethene	0.00889		0.000298	0.00113	1	03/17/2018 16:57	WG1085897
1,2-Dichloropropane	U		0.000404	0.00113	1	03/17/2018 16:57	WG1085897
1,1-Dichloropropene	U		0.000358	0.00113	1	03/17/2018 16:57	WG1085897
1,3-Dichloropropane	U		0.000233	0.00113	1	03/17/2018 16:57	WG1085897
cis-1,3-Dichloropropene	U		0.000296	0.00113	1	03/17/2018 16:57	WG1085897
trans-1,3-Dichloropropene	U		0.000301	0.00113	1	03/17/2018 16:57	WG1085897
trans-1,4-Dichloro-2-butene	U		0.000878	0.00282	1	03/17/2018 16:57	WG1085897
2,2-Dichloropropane	U		0.000315	0.00113	1	03/17/2018 16:57	WG1085897
Di-isopropyl ether	U		0.000280	0.00113	1	03/17/2018 16:57	WG1085897
Ethylbenzene	U		0.000335	0.00113	1	03/17/2018 16:57	WG1085897
Hexachloro-1,3-butadiene	U		0.000386	0.00113	1	03/17/2018 16:57	WG1085897
2-Hexanone	U		0.00155	0.0113	1	03/17/2018 16:57	WG1085897
n-Hexane	0.000525	J	0.000327	0.0113	1	03/17/2018 16:57	WG1085897
Iodomethane	U	J4	0.00285	0.0113	1	03/17/2018 16:57	WG1085897
Isopropylbenzene	U		0.000274	0.00113	1	03/17/2018 16:57	WG1085897
p-Isopropyltoluene	U		0.000230	0.00113	1	03/17/2018 16:57	WG1085897
2-Butanone (MEK)	U		0.00528	0.0113	1	03/17/2018 16:57	WG1085897
Methylene Chloride	U		0.00113	0.00564	1	03/17/2018 16:57	WG1085897
4-Methyl-2-pentanone (MIBK)	U		0.00212	0.0113	1	03/17/2018 16:57	WG1085897

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000239	0.00113	1	03/17/2018 16:57	WG1085897
Naphthalene	U		0.00113	0.00564	1	03/17/2018 16:57	WG1085897
n-Propylbenzene	U		0.000232	0.00113	1	03/17/2018 16:57	WG1085897
Styrene	U		0.000264	0.00113	1	03/17/2018 16:57	WG1085897
1,1,1,2-Tetrachloroethane	U		0.000298	0.00113	1	03/17/2018 16:57	WG1085897
1,1,2,2-Tetrachloroethane	U		0.000412	0.00113	1	03/17/2018 16:57	WG1085897
1,1,2-Trichlorotrifluoroethane	U	J4	0.000412	0.00113	1	03/17/2018 16:57	WG1085897
Tetrachloroethene	1.05		0.0156	0.0564	50	03/22/2018 05:44	WG1085897
Toluene	0.000557	J	0.000490	0.00564	1	03/17/2018 16:57	WG1085897
1,2,3-Trichlorobenzene	U		0.000345	0.00113	1	03/17/2018 16:57	WG1085897
1,2,4-Trichlorobenzene	U		0.000438	0.00113	1	03/17/2018 16:57	WG1085897
1,1,1-Trichloroethane	U		0.000323	0.00113	1	03/17/2018 16:57	WG1085897
1,1,2-Trichloroethane	U		0.000312	0.00113	1	03/17/2018 16:57	WG1085897
Trichloroethene	0.327		0.0158	0.0564	50	03/22/2018 05:44	WG1085897
Trichlorofluoromethane	U		0.000431	0.00564	1	03/17/2018 16:57	WG1085897
1,2,3-Trichloropropane	U		0.000836	0.00282	1	03/17/2018 16:57	WG1085897
1,2,4-Trimethylbenzene	U		0.000238	0.00113	1	03/17/2018 16:57	WG1085897
1,2,3-Trimethylbenzene	U		0.000324	0.00113	1	03/17/2018 16:57	WG1085897
1,3,5-Trimethylbenzene	U		0.000300	0.00113	1	03/17/2018 16:57	WG1085897
Vinyl acetate	U		0.00270	0.0113	1	03/17/2018 16:57	WG1085897
Vinyl chloride	0.164	E	0.000328	0.00113	1	03/17/2018 16:57	WG1085897
Xylenes, Total	U		0.000787	0.00338	1	03/17/2018 16:57	WG1085897
(S) Toluene-d8	*95.4*			*80.0-120*		*03/17/2018 16:57*	WG1085897
(S) Toluene-d8	*108*			*80.0-120*		*03/22/2018 05:44*	WG1085897
(S) Dibromofluoromethane	*106*			*74.0-131*		*03/17/2018 16:57*	WG1085897
(S) Dibromofluoromethane	*95.7*			*74.0-131*		*03/22/2018 05:44*	WG1085897
(S) 4-Bromofluorobenzene	*116*			*64.0-132*		*03/17/2018 16:57*	WG1085897
(S) 4-Bromofluorobenzene	*90.5*			*64.0-132*		*03/22/2018 05:44*	WG1085897

Sample Narrative:

L977743-22 WG1085897: Reporting with E qualifier as compound was ND at higher dilution.

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	85.1		1	03/20/2018 13:24	WG1086785

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0117	0.0587	1	03/17/2018 17:46	WG1085897
Acrylonitrile	U		0.00210	0.0117	1	03/17/2018 17:46	WG1085897
Benzene	U		0.000317	0.00117	1	03/17/2018 17:46	WG1085897
Bromobenzene	U		0.000334	0.00117	1	03/17/2018 17:46	WG1085897
Bromodichloromethane	U		0.000298	0.00117	1	03/17/2018 17:46	WG1085897
Bromochloromethane	U		0.000458	0.00587	1	03/17/2018 17:46	WG1085897
Bromoform	U		0.000498	0.00117	1	03/17/2018 17:46	WG1085897
Bromomethane	U		0.00157	0.00587	1	03/17/2018 17:46	WG1085897
n-Butylbenzene	0.000473	J	0.000303	0.00117	1	03/17/2018 17:46	WG1085897
sec-Butylbenzene	0.000431	J	0.000236	0.00117	1	03/17/2018 17:46	WG1085897
tert-Butylbenzene	U		0.000242	0.00117	1	03/17/2018 17:46	WG1085897
Carbon disulfide	0.00193		0.000260	0.00117	1	03/17/2018 17:46	WG1085897
Carbon tetrachloride	U		0.000385	0.00117	1	03/17/2018 17:46	WG1085897
Chlorobenzene	U		0.000249	0.00117	1	03/17/2018 17:46	WG1085897
Chlorodibromomethane	U		0.000438	0.00117	1	03/17/2018 17:46	WG1085897
Chloroethane	U		0.00111	0.00587	1	03/17/2018 17:46	WG1085897
Chloroform	0.000324	J	0.000269	0.00587	1	03/17/2018 17:46	WG1085897
Chloromethane	U		0.000441	0.00294	1	03/17/2018 17:46	WG1085897
2-Chlorotoluene	U		0.000354	0.00117	1	03/17/2018 17:46	WG1085897
4-Chlorotoluene	U		0.000282	0.00117	1	03/17/2018 17:46	WG1085897
1,2-Dibromo-3-Chloropropane	U		0.00123	0.00587	1	03/17/2018 17:46	WG1085897
1,2-Dibromoethane	U		0.000403	0.00117	1	03/17/2018 17:46	WG1085897
Dibromomethane	U		0.000449	0.00117	1	03/17/2018 17:46	WG1085897
1,2-Dichlorobenzene	U		0.000358	0.00117	1	03/17/2018 17:46	WG1085897
1,3-Dichlorobenzene	U		0.000281	0.00117	1	03/17/2018 17:46	WG1085897
1,4-Dichlorobenzene	U		0.000266	0.00117	1	03/17/2018 17:46	WG1085897
Dichlorodifluoromethane	U		0.000838	0.00587	1	03/17/2018 17:46	WG1085897
1,1-Dichloroethane	U		0.000234	0.00117	1	03/17/2018 17:46	WG1085897
1,2-Dichloroethane	U		0.000311	0.00117	1	03/17/2018 17:46	WG1085897
1,1-Dichloroethene	0.0162		0.000356	0.00117	1	03/17/2018 17:46	WG1085897
cis-1,2-Dichloroethene	3.68		0.691	2.94	2500	03/22/2018 13:28	WG1085897
trans-1,2-Dichloroethene	0.0135		0.000310	0.00117	1	03/17/2018 17:46	WG1085897
1,2-Dichloropropane	U		0.000421	0.00117	1	03/17/2018 17:46	WG1085897
1,1-Dichloropropene	U		0.000372	0.00117	1	03/17/2018 17:46	WG1085897
1,3-Dichloropropane	U		0.000243	0.00117	1	03/17/2018 17:46	WG1085897
cis-1,3-Dichloropropene	U		0.000308	0.00117	1	03/17/2018 17:46	WG1085897
trans-1,3-Dichloropropene	U		0.000314	0.00117	1	03/17/2018 17:46	WG1085897
trans-1,4-Dichloro-2-butene	U	J0	0.000914	0.00294	1	03/17/2018 17:46	WG1085897
2,2-Dichloropropane	U		0.000328	0.00117	1	03/17/2018 17:46	WG1085897
Di-isopropyl ether	U		0.000291	0.00117	1	03/17/2018 17:46	WG1085897
Ethylbenzene	0.00441	V3	0.000349	0.00117	1	03/17/2018 17:46	WG1085897
Hexachloro-1,3-butadiene	U		0.000402	0.00117	1	03/17/2018 17:46	WG1085897
2-Hexanone	U		0.00161	0.0117	1	03/17/2018 17:46	WG1085897
n-Hexane	U		0.000341	0.0117	1	03/17/2018 17:46	WG1085897
Iodomethane	U	J4	0.00297	0.0117	1	03/17/2018 17:46	WG1085897
Isopropylbenzene	U		0.000286	0.00117	1	03/17/2018 17:46	WG1085897
p-Isopropyltoluene	0.000731	J	0.000240	0.00117	1	03/17/2018 17:46	WG1085897
2-Butanone (MEK)	U		0.00550	0.0117	1	03/17/2018 17:46	WG1085897
Methylene Chloride	U		0.00117	0.00587	1	03/17/2018 17:46	WG1085897
4-Methyl-2-pentanone (MIBK)	U		0.00221	0.0117	1	03/17/2018 17:46	WG1085897

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000249	0.00117	1	03/17/2018 17:46	WG1085897
Naphthalene	0.00128	J	0.00117	0.00587	1	03/17/2018 17:46	WG1085897
n-Propylbenzene	0.00101	J	0.000242	0.00117	1	03/17/2018 17:46	WG1085897
Styrene	U		0.000275	0.00117	1	03/17/2018 17:46	WG1085897
1,1,1,2-Tetrachloroethane	U		0.000310	0.00117	1	03/17/2018 17:46	WG1085897
1,1,2,2-Tetrachloroethane	U		0.000429	0.00117	1	03/17/2018 17:46	WG1085897
1,1,2-Trichlorotrifluoroethane	U	J4	0.000429	0.00117	1	03/17/2018 17:46	WG1085897
Tetrachloroethene	105		0.811	2.94	2500	03/22/2018 13:28	WG1085897
Toluene	0.0210	V3	0.000510	0.00587	1	03/17/2018 17:46	WG1085897
1,2,3-Trichlorobenzene	U		0.000360	0.00117	1	03/17/2018 17:46	WG1085897
1,2,4-Trichlorobenzene	U		0.000456	0.00117	1	03/17/2018 17:46	WG1085897
1,1,1-Trichloroethane	U		0.000336	0.00117	1	03/17/2018 17:46	WG1085897
1,1,2-Trichloroethane	U		0.000325	0.00117	1	03/17/2018 17:46	WG1085897
Trichloroethene	3.06		0.820	2.94	2500	03/22/2018 13:28	WG1085897
Trichlorofluoromethane	U	J0	0.000449	0.00587	1	03/17/2018 17:46	WG1085897
1,2,3-Trichloropropane	U		0.000871	0.00294	1	03/17/2018 17:46	WG1085897
1,2,4-Trimethylbenzene	0.00692		0.000248	0.00117	1	03/17/2018 17:46	WG1085897
1,2,3-Trimethylbenzene	0.00274		0.000337	0.00117	1	03/17/2018 17:46	WG1085897
1,3,5-Trimethylbenzene	0.00233		0.000313	0.00117	1	03/17/2018 17:46	WG1085897
Vinyl acetate	U		0.00281	0.0117	1	03/17/2018 17:46	WG1085897
Vinyl chloride	0.101		0.000342	0.00117	1	03/17/2018 17:46	WG1085897
Xylenes, Total	0.0244	V3	0.000820	0.00352	1	03/17/2018 17:46	WG1085897
(S) Toluene-d8	*1100*	J1		*80.0-120*		*03/17/2018 17:46*	WG1085897
(S) Toluene-d8	*107*			*80.0-120*		*03/22/2018 13:28*	WG1085897
(S) Dibromofluoromethane	*101*			*74.0-131*		*03/17/2018 17:46*	WG1085897
(S) Dibromofluoromethane	*98.2*			*74.0-131*		*03/22/2018 13:28*	WG1085897
(S) 4-Bromofluorobenzene	*104*			*64.0-132*		*03/17/2018 17:46*	WG1085897
(S) 4-Bromofluorobenzene	*87.8*			*64.0-132*		*03/22/2018 13:28*	WG1085897

Sample Narrative:

L977743-23 WG1085897: Surrogate failure due to matrix interference.

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	86.7		1	03/20/2018 13:24	WG1086785

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0115	0.0577	1	03/17/2018 18:06	WG1085897
Acrylonitrile	U		0.00207	0.0115	1	03/17/2018 18:06	WG1085897
Benzene	U		0.000312	0.00115	1	03/17/2018 18:06	WG1085897
Bromobenzene	U		0.000328	0.00115	1	03/17/2018 18:06	WG1085897
Bromodichloromethane	U		0.000293	0.00115	1	03/17/2018 18:06	WG1085897
Bromochloromethane	U		0.000450	0.00577	1	03/17/2018 18:06	WG1085897
Bromoform	U		0.000489	0.00115	1	03/17/2018 18:06	WG1085897
Bromomethane	U		0.00155	0.00577	1	03/17/2018 18:06	WG1085897
n-Butylbenzene	U		0.000298	0.00115	1	03/17/2018 18:06	WG1085897
sec-Butylbenzene	U		0.000232	0.00115	1	03/17/2018 18:06	WG1085897
tert-Butylbenzene	U		0.000238	0.00115	1	03/17/2018 18:06	WG1085897
Carbon disulfide	0.00180		0.000255	0.00115	1	03/17/2018 18:06	WG1085897
Carbon tetrachloride	U		0.000378	0.00115	1	03/17/2018 18:06	WG1085897
Chlorobenzene	U		0.000245	0.00115	1	03/17/2018 18:06	WG1085897
Chlorodibromomethane	U		0.000430	0.00115	1	03/17/2018 18:06	WG1085897
Chloroethane	U		0.00109	0.00577	1	03/17/2018 18:06	WG1085897
Chloroform	0.000398	J	0.000264	0.00577	1	03/17/2018 18:06	WG1085897
Chloromethane	U		0.000433	0.00288	1	03/17/2018 18:06	WG1085897
2-Chlorotoluene	U		0.000347	0.00115	1	03/17/2018 18:06	WG1085897
4-Chlorotoluene	U		0.000277	0.00115	1	03/17/2018 18:06	WG1085897
1,2-Dibromo-3-Chloropropane	U		0.00121	0.00577	1	03/17/2018 18:06	WG1085897
1,2-Dibromoethane	U		0.000396	0.00115	1	03/17/2018 18:06	WG1085897
Dibromomethane	U		0.000441	0.00115	1	03/17/2018 18:06	WG1085897
1,2-Dichlorobenzene	U		0.000352	0.00115	1	03/17/2018 18:06	WG1085897
1,3-Dichlorobenzene	U		0.000276	0.00115	1	03/17/2018 18:06	WG1085897
1,4-Dichlorobenzene	U		0.000261	0.00115	1	03/17/2018 18:06	WG1085897
Dichlorodifluoromethane	U		0.000823	0.00577	1	03/17/2018 18:06	WG1085897
1,1-Dichloroethane	U		0.000230	0.00115	1	03/17/2018 18:06	WG1085897
1,2-Dichloroethane	U		0.000306	0.00115	1	03/17/2018 18:06	WG1085897
1,1-Dichloroethene	0.0141		0.000350	0.00115	1	03/17/2018 18:06	WG1085897
cis-1,2-Dichloroethene	2.31		0.271	1.15	1000	03/22/2018 13:48	WG1085897
trans-1,2-Dichloroethene	0.00620		0.000305	0.00115	1	03/17/2018 18:06	WG1085897
1,2-Dichloropropane	U		0.000413	0.00115	1	03/17/2018 18:06	WG1085897
1,1-Dichloropropene	U		0.000366	0.00115	1	03/17/2018 18:06	WG1085897
1,3-Dichloropropane	U		0.000239	0.00115	1	03/17/2018 18:06	WG1085897
cis-1,3-Dichloropropene	U		0.000302	0.00115	1	03/17/2018 18:06	WG1085897
trans-1,3-Dichloropropene	U		0.000308	0.00115	1	03/17/2018 18:06	WG1085897
trans-1,4-Dichloro-2-butene	U	J0	0.000898	0.00288	1	03/17/2018 18:06	WG1085897
2,2-Dichloropropane	U		0.000322	0.00115	1	03/17/2018 18:06	WG1085897
Di-isopropyl ether	U		0.000286	0.00115	1	03/17/2018 18:06	WG1085897
Ethylbenzene	0.000604	J V3	0.000343	0.00115	1	03/17/2018 18:06	WG1085897
Hexachloro-1,3-butadiene	U		0.000395	0.00115	1	03/17/2018 18:06	WG1085897
2-Hexanone	U		0.00158	0.0115	1	03/17/2018 18:06	WG1085897
n-Hexane	U		0.000335	0.0115	1	03/17/2018 18:06	WG1085897
Iodomethane	U	J4	0.00292	0.0115	1	03/17/2018 18:06	WG1085897
Isopropylbenzene	U		0.000280	0.00115	1	03/17/2018 18:06	WG1085897
p-Isopropyltoluene	0.000277	J	0.000235	0.00115	1	03/17/2018 18:06	WG1085897
2-Butanone (MEK)	U		0.00540	0.0115	1	03/17/2018 18:06	WG1085897
Methylene Chloride	U		0.00115	0.00577	1	03/17/2018 18:06	WG1085897
4-Methyl-2-pentanone (MIBK)	U		0.00217	0.0115	1	03/17/2018 18:06	WG1085897

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000245	0.00115	1	03/17/2018 18:06	WG1085897
Naphthalene	U		0.00115	0.00577	1	03/17/2018 18:06	WG1085897
n-Propylbenzene	0.000529	J	0.000238	0.00115	1	03/17/2018 18:06	WG1085897
Styrene	U		0.000270	0.00115	1	03/17/2018 18:06	WG1085897
1,1,1,2-Tetrachloroethane	U		0.000305	0.00115	1	03/17/2018 18:06	WG1085897
1,1,2,2-Tetrachloroethane	U		0.000421	0.00115	1	03/17/2018 18:06	WG1085897
1,1,2-Trichlorotrifluoroethane	U	J4	0.000421	0.00115	1	03/17/2018 18:06	WG1085897
Tetrachloroethene	11.9		0.318	1.15	1000	03/22/2018 13:48	WG1085897
Toluene	0.00402	J V3	0.000501	0.00577	1	03/17/2018 18:06	WG1085897
1,2,3-Trichlorobenzene	U		0.000353	0.00115	1	03/17/2018 18:06	WG1085897
1,2,4-Trichlorobenzene	U		0.000448	0.00115	1	03/17/2018 18:06	WG1085897
1,1,1-Trichloroethane	U		0.000330	0.00115	1	03/17/2018 18:06	WG1085897
1,1,2-Trichloroethane	U		0.000320	0.00115	1	03/17/2018 18:06	WG1085897
Trichloroethene	0.340	J	0.322	1.15	1000	03/22/2018 13:48	WG1085897
Trichlorofluoromethane	U	J0	0.000441	0.00577	1	03/17/2018 18:06	WG1085897
1,2,3-Trichloropropane	U		0.000855	0.00288	1	03/17/2018 18:06	WG1085897
1,2,4-Trimethylbenzene	0.00270		0.000243	0.00115	1	03/17/2018 18:06	WG1085897
1,2,3-Trimethylbenzene	0.00115	J	0.000331	0.00115	1	03/17/2018 18:06	WG1085897
1,3,5-Trimethylbenzene	0.00105	J	0.000307	0.00115	1	03/17/2018 18:06	WG1085897
Vinyl acetate	U		0.00276	0.0115	1	03/17/2018 18:06	WG1085897
Vinyl chloride	0.0531		0.000336	0.00115	1	03/17/2018 18:06	WG1085897
Xylenes, Total	0.00330	J V3	0.000805	0.00346	1	03/17/2018 18:06	WG1085897
(S) Toluene-d8	*278*	J1		*80.0-120*		*03/17/2018 18:06*	WG1085897
(S) Toluene-d8	*107*			*80.0-120*		*03/22/2018 13:48*	WG1085897
(S) Dibromofluoromethane	*104*			*74.0-131*		*03/17/2018 18:06*	WG1085897
(S) Dibromofluoromethane	*93.6*			*74.0-131*		*03/22/2018 13:48*	WG1085897
(S) 4-Bromofluorobenzene	*88.4*			*64.0-132*		*03/22/2018 13:48*	WG1085897
(S) 4-Bromofluorobenzene	*114*			*64.0-132*		*03/17/2018 18:06*	WG1085897

Sample Narrative:

L977743-24 WG1085897: Surrogate failure due to matrix interference.

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	87.5		1	03/20/2018 11:29	WG1086786

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0114	0.0571	1	03/17/2018 18:27	WG1085897
Acrylonitrile	U		0.00205	0.0114	1	03/17/2018 18:27	WG1085897
Benzene	U		0.000309	0.00114	1	03/17/2018 18:27	WG1085897
Bromobenzene	U		0.000325	0.00114	1	03/17/2018 18:27	WG1085897
Bromodichloromethane	U		0.000290	0.00114	1	03/17/2018 18:27	WG1085897
Bromochloromethane	U		0.000446	0.00571	1	03/17/2018 18:27	WG1085897
Bromoform	U		0.000484	0.00114	1	03/17/2018 18:27	WG1085897
Bromomethane	U		0.00153	0.00571	1	03/17/2018 18:27	WG1085897
n-Butylbenzene	U		0.000295	0.00114	1	03/17/2018 18:27	WG1085897
sec-Butylbenzene	U		0.000230	0.00114	1	03/17/2018 18:27	WG1085897
tert-Butylbenzene	U		0.000235	0.00114	1	03/17/2018 18:27	WG1085897
Carbon disulfide	0.00102	J	0.000253	0.00114	1	03/17/2018 18:27	WG1085897
Carbon tetrachloride	U		0.000375	0.00114	1	03/17/2018 18:27	WG1085897
Chlorobenzene	U		0.000242	0.00114	1	03/17/2018 18:27	WG1085897
Chlorodibromomethane	U		0.000426	0.00114	1	03/17/2018 18:27	WG1085897
Chloroethane	U		0.00108	0.00571	1	03/17/2018 18:27	WG1085897
Chloroform	U		0.000262	0.00571	1	03/17/2018 18:27	WG1085897
Chloromethane	U		0.000428	0.00286	1	03/17/2018 18:27	WG1085897
2-Chlorotoluene	U		0.000344	0.00114	1	03/17/2018 18:27	WG1085897
4-Chlorotoluene	U		0.000274	0.00114	1	03/17/2018 18:27	WG1085897
1,2-Dibromo-3-Chloropropane	U		0.00120	0.00571	1	03/17/2018 18:27	WG1085897
1,2-Dibromoethane	U		0.000392	0.00114	1	03/17/2018 18:27	WG1085897
Dibromomethane	U		0.000436	0.00114	1	03/17/2018 18:27	WG1085897
1,2-Dichlorobenzene	U		0.000348	0.00114	1	03/17/2018 18:27	WG1085897
1,3-Dichlorobenzene	U		0.000273	0.00114	1	03/17/2018 18:27	WG1085897
1,4-Dichlorobenzene	U		0.000258	0.00114	1	03/17/2018 18:27	WG1085897
Dichlorodifluoromethane	U		0.000815	0.00571	1	03/17/2018 18:27	WG1085897
1,1-Dichloroethane	U		0.000227	0.00114	1	03/17/2018 18:27	WG1085897
1,2-Dichloroethane	U		0.000303	0.00114	1	03/17/2018 18:27	WG1085897
1,1-Dichloroethene	0.00152		0.000346	0.00114	1	03/17/2018 18:27	WG1085897
cis-1,2-Dichloroethene	0.464		0.0269	0.114	100	03/22/2018 07:04	WG1085897
trans-1,2-Dichloroethene	0.00132		0.000302	0.00114	1	03/17/2018 18:27	WG1085897
1,2-Dichloropropane	U		0.000409	0.00114	1	03/17/2018 18:27	WG1085897
1,1-Dichloropropene	U		0.000362	0.00114	1	03/17/2018 18:27	WG1085897
1,3-Dichloropropane	U		0.000237	0.00114	1	03/17/2018 18:27	WG1085897
cis-1,3-Dichloropropene	U		0.000299	0.00114	1	03/17/2018 18:27	WG1085897
trans-1,3-Dichloropropene	U		0.000305	0.00114	1	03/17/2018 18:27	WG1085897
trans-1,4-Dichloro-2-butene	U	J0	0.000889	0.00286	1	03/17/2018 18:27	WG1085897
2,2-Dichloropropane	U		0.000319	0.00114	1	03/17/2018 18:27	WG1085897
Di-isopropyl ether	U		0.000283	0.00114	1	03/17/2018 18:27	WG1085897
Ethylbenzene	U		0.000339	0.00114	1	03/17/2018 18:27	WG1085897
Hexachloro-1,3-butadiene	U		0.000391	0.00114	1	03/17/2018 18:27	WG1085897
2-Hexanone	U		0.00157	0.0114	1	03/17/2018 18:27	WG1085897
n-Hexane	U		0.000331	0.0114	1	03/17/2018 18:27	WG1085897
Iodomethane	U	J4	0.00289	0.0114	1	03/17/2018 18:27	WG1085897
Isopropylbenzene	U		0.000278	0.00114	1	03/17/2018 18:27	WG1085897
p-Isopropyltoluene	U		0.000233	0.00114	1	03/17/2018 18:27	WG1085897
2-Butanone (MEK)	U		0.00535	0.0114	1	03/17/2018 18:27	WG1085897
Methylene Chloride	U		0.00114	0.00571	1	03/17/2018 18:27	WG1085897
4-Methyl-2-pentanone (MIBK)	U		0.00215	0.0114	1	03/17/2018 18:27	WG1085897

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000242	0.00114	1	03/17/2018 18:27	WG1085897
Naphthalene	U		0.00114	0.00571	1	03/17/2018 18:27	WG1085897
n-Propylbenzene	U		0.000235	0.00114	1	03/17/2018 18:27	WG1085897
Styrene	U		0.000267	0.00114	1	03/17/2018 18:27	WG1085897
1,1,1,2-Tetrachloroethane	U		0.000302	0.00114	1	03/17/2018 18:27	WG1085897
1,1,2,2-Tetrachloroethane	U		0.000417	0.00114	1	03/17/2018 18:27	WG1085897
1,1,2-Trichlorotrifluoroethane	U	J4	0.000417	0.00114	1	03/17/2018 18:27	WG1085897
Tetrachloroethene	10.8		0.0315	0.114	100	03/22/2018 07:04	WG1085897
Toluene	0.000637	J	0.000496	0.00571	1	03/17/2018 18:27	WG1085897
1,2,3-Trichlorobenzene	U		0.000350	0.00114	1	03/17/2018 18:27	WG1085897
1,2,4-Trichlorobenzene	U		0.000443	0.00114	1	03/17/2018 18:27	WG1085897
1,1,1-Trichloroethane	U		0.000327	0.00114	1	03/17/2018 18:27	WG1085897
1,1,2-Trichloroethane	U		0.000317	0.00114	1	03/17/2018 18:27	WG1085897
Trichloroethene	0.275		0.0319	0.114	100	03/22/2018 07:04	WG1085897
Trichlorofluoromethane	U	J0	0.000436	0.00571	1	03/17/2018 18:27	WG1085897
1,2,3-Trichloropropane	U		0.000847	0.00286	1	03/17/2018 18:27	WG1085897
1,2,4-Trimethylbenzene	0.000420	J	0.000241	0.00114	1	03/17/2018 18:27	WG1085897
1,2,3-Trimethylbenzene	U		0.000328	0.00114	1	03/17/2018 18:27	WG1085897
1,3,5-Trimethylbenzene	U		0.000304	0.00114	1	03/17/2018 18:27	WG1085897
Vinyl acetate	U		0.00273	0.0114	1	03/17/2018 18:27	WG1085897
Vinyl chloride	0.0104		0.000333	0.00114	1	03/17/2018 18:27	WG1085897
Xylenes, Total	U		0.000798	0.00343	1	03/17/2018 18:27	WG1085897
(S) Toluene-d8	*96.6*			*80.0-120*		*03/17/2018 18:27*	WG1085897
(S) Toluene-d8	*104*			*80.0-120*		*03/22/2018 07:04*	WG1085897
(S) Dibromofluoromethane	*102*			*74.0-131*		*03/17/2018 18:27*	WG1085897
(S) Dibromofluoromethane	*92.2*			*74.0-131*		*03/22/2018 07:04*	WG1085897
(S) 4-Bromofluorobenzene	*108*			*64.0-132*		*03/17/2018 18:27*	WG1085897
(S) 4-Bromofluorobenzene	*89.9*			*64.0-132*		*03/22/2018 07:04*	WG1085897

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	83.4		1	03/20/2018 11:29	WG1086786

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0120	0.0600	1	03/17/2018 18:48	WG1085897
Acrylonitrile	U		0.00215	0.0120	1	03/17/2018 18:48	WG1085897
Benzene	U		0.000324	0.00120	1	03/17/2018 18:48	WG1085897
Bromobenzene	U		0.000341	0.00120	1	03/17/2018 18:48	WG1085897
Bromodichloromethane	U		0.000305	0.00120	1	03/17/2018 18:48	WG1085897
Bromochloromethane	U		0.000468	0.00600	1	03/17/2018 18:48	WG1085897
Bromoform	U		0.000509	0.00120	1	03/17/2018 18:48	WG1085897
Bromomethane	U		0.00161	0.00600	1	03/17/2018 18:48	WG1085897
n-Butylbenzene	U		0.000309	0.00120	1	03/17/2018 18:48	WG1085897
sec-Butylbenzene	U		0.000241	0.00120	1	03/17/2018 18:48	WG1085897
tert-Butylbenzene	U		0.000247	0.00120	1	03/17/2018 18:48	WG1085897
Carbon disulfide	U		0.000265	0.00120	1	03/17/2018 18:48	WG1085897
Carbon tetrachloride	U		0.000393	0.00120	1	03/17/2018 18:48	WG1085897
Chlorobenzene	U		0.000254	0.00120	1	03/17/2018 18:48	WG1085897
Chlorodibromomethane	U		0.000447	0.00120	1	03/17/2018 18:48	WG1085897
Chloroethane	U		0.00113	0.00600	1	03/17/2018 18:48	WG1085897
Chloroform	U		0.000275	0.00600	1	03/17/2018 18:48	WG1085897
Chloromethane	U		0.000450	0.00300	1	03/17/2018 18:48	WG1085897
2-Chlorotoluene	U		0.000361	0.00120	1	03/17/2018 18:48	WG1085897
4-Chlorotoluene	U		0.000288	0.00120	1	03/17/2018 18:48	WG1085897
1,2-Dibromo-3-Chloropropane	U		0.00126	0.00600	1	03/17/2018 18:48	WG1085897
1,2-Dibromoethane	U		0.000411	0.00120	1	03/17/2018 18:48	WG1085897
Dibromomethane	U		0.000458	0.00120	1	03/17/2018 18:48	WG1085897
1,2-Dichlorobenzene	U		0.000366	0.00120	1	03/17/2018 18:48	WG1085897
1,3-Dichlorobenzene	U		0.000287	0.00120	1	03/17/2018 18:48	WG1085897
1,4-Dichlorobenzene	U		0.000271	0.00120	1	03/17/2018 18:48	WG1085897
Dichlorodifluoromethane	U		0.000855	0.00600	1	03/17/2018 18:48	WG1085897
1,1-Dichloroethane	U		0.000239	0.00120	1	03/17/2018 18:48	WG1085897
1,2-Dichloroethane	U		0.000318	0.00120	1	03/17/2018 18:48	WG1085897
1,1-Dichloroethene	U		0.000363	0.00120	1	03/17/2018 18:48	WG1085897
cis-1,2-Dichloroethene	0.00158		0.000282	0.00120	1	03/22/2018 02:08	WG1085897
trans-1,2-Dichloroethene	U		0.000317	0.00120	1	03/17/2018 18:48	WG1085897
1,2-Dichloropropane	U		0.000429	0.00120	1	03/17/2018 18:48	WG1085897
1,1-Dichloropropene	U		0.000380	0.00120	1	03/17/2018 18:48	WG1085897
1,3-Dichloropropane	U		0.000248	0.00120	1	03/17/2018 18:48	WG1085897
cis-1,3-Dichloropropene	U		0.000314	0.00120	1	03/17/2018 18:48	WG1085897
trans-1,3-Dichloropropene	U		0.000320	0.00120	1	03/17/2018 18:48	WG1085897
trans-1,4-Dichloro-2-butene	U	J0	0.000933	0.00300	1	03/17/2018 18:48	WG1085897
2,2-Dichloropropane	U		0.000335	0.00120	1	03/17/2018 18:48	WG1085897
Di-isopropyl ether	U		0.000297	0.00120	1	03/17/2018 18:48	WG1085897
Ethylbenzene	U		0.000356	0.00120	1	03/17/2018 18:48	WG1085897
Hexachloro-1,3-butadiene	U		0.000410	0.00120	1	03/17/2018 18:48	WG1085897
2-Hexanone	U		0.00164	0.0120	1	03/17/2018 18:48	WG1085897
n-Hexane	U		0.000348	0.0120	1	03/17/2018 18:48	WG1085897
Iodomethane	U	J4	0.00303	0.0120	1	03/17/2018 18:48	WG1085897
Isopropylbenzene	U		0.000291	0.00120	1	03/17/2018 18:48	WG1085897
p-Isopropyltoluene	U		0.000245	0.00120	1	03/17/2018 18:48	WG1085897
2-Butanone (MEK)	U		0.00561	0.0120	1	03/17/2018 18:48	WG1085897
Methylene Chloride	U		0.00120	0.00600	1	03/17/2018 18:48	WG1085897
4-Methyl-2-pentanone (MIBK)	U		0.00225	0.0120	1	03/17/2018 18:48	WG1085897

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000254	0.00120	1	03/17/2018 18:48	WG1085897
Naphthalene	U		0.00120	0.00600	1	03/17/2018 18:48	WG1085897
n-Propylbenzene	U		0.000247	0.00120	1	03/17/2018 18:48	WG1085897
Styrene	U		0.000281	0.00120	1	03/17/2018 18:48	WG1085897
1,1,1,2-Tetrachloroethane	U		0.000317	0.00120	1	03/17/2018 18:48	WG1085897
1,1,2,2-Tetrachloroethane	U		0.000438	0.00120	1	03/17/2018 18:48	WG1085897
1,1,2-Trichlorotrifluoroethane	U	J4	0.000438	0.00120	1	03/17/2018 18:48	WG1085897
Tetrachloroethene	0.0191		0.000331	0.00120	1	03/22/2018 02:08	WG1085897
Toluene	U		0.000521	0.00600	1	03/17/2018 18:48	WG1085897
1,2,3-Trichlorobenzene	U		0.000367	0.00120	1	03/17/2018 18:48	WG1085897
1,2,4-Trichlorobenzene	U		0.000465	0.00120	1	03/17/2018 18:48	WG1085897
1,1,1-Trichloroethane	U		0.000343	0.00120	1	03/17/2018 18:48	WG1085897
1,1,2-Trichloroethane	U		0.000332	0.00120	1	03/17/2018 18:48	WG1085897
Trichloroethene	0.000468	J	0.000335	0.00120	1	03/22/2018 02:08	WG1085897
Trichlorofluoromethane	U	J0	0.000458	0.00600	1	03/17/2018 18:48	WG1085897
1,2,3-Trichloropropane	U		0.000889	0.00300	1	03/17/2018 18:48	WG1085897
1,2,4-Trimethylbenzene	U		0.000253	0.00120	1	03/17/2018 18:48	WG1085897
1,2,3-Trimethylbenzene	U		0.000344	0.00120	1	03/17/2018 18:48	WG1085897
1,3,5-Trimethylbenzene	U		0.000319	0.00120	1	03/17/2018 18:48	WG1085897
Vinyl acetate	U		0.00287	0.0120	1	03/17/2018 18:48	WG1085897
Vinyl chloride	0.000360	J	0.000349	0.00120	1	03/17/2018 18:48	WG1085897
Xylenes, Total	U		0.000837	0.00360	1	03/17/2018 18:48	WG1085897
(S) Toluene-d8	*103*			*80.0-120*		*03/17/2018 18:48*	WG1085897
(S) Toluene-d8	*95.5*			*80.0-120*		*03/22/2018 02:08*	WG1085897
(S) Dibromofluoromethane	*102*			*74.0-131*		*03/22/2018 02:08*	WG1085897
(S) Dibromofluoromethane	*104*			*74.0-131*		*03/17/2018 18:48*	WG1085897
(S) 4-Bromofluorobenzene	*100*			*64.0-132*		*03/17/2018 18:48*	WG1085897
(S) 4-Bromofluorobenzene	*95.5*			*64.0-132*		*03/22/2018 02:08*	WG1085897

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	84.2		1	03/20/2018 11:29	WG1086786

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0119	0.0594	1	03/17/2018 19:09	WG1085897
Acrylonitrile	U		0.00212	0.0119	1	03/17/2018 19:09	WG1085897
Benzene	U		0.000320	0.00119	1	03/17/2018 19:09	WG1085897
Bromobenzene	U		0.000337	0.00119	1	03/17/2018 19:09	WG1085897
Bromodichloromethane	U		0.000302	0.00119	1	03/17/2018 19:09	WG1085897
Bromochloromethane	U		0.000463	0.00594	1	03/17/2018 19:09	WG1085897
Bromoform	U		0.000503	0.00119	1	03/17/2018 19:09	WG1085897
Bromomethane	U		0.00159	0.00594	1	03/17/2018 19:09	WG1085897
n-Butylbenzene	U		0.000306	0.00119	1	03/17/2018 19:09	WG1085897
sec-Butylbenzene	U		0.000239	0.00119	1	03/17/2018 19:09	WG1085897
tert-Butylbenzene	U		0.000245	0.00119	1	03/17/2018 19:09	WG1085897
Carbon disulfide	U		0.000262	0.00119	1	03/17/2018 19:09	WG1085897
Carbon tetrachloride	U		0.000389	0.00119	1	03/17/2018 19:09	WG1085897
Chlorobenzene	U		0.000252	0.00119	1	03/17/2018 19:09	WG1085897
Chlorodibromomethane	U		0.000443	0.00119	1	03/17/2018 19:09	WG1085897
Chloroethane	U		0.00112	0.00594	1	03/17/2018 19:09	WG1085897
Chloroform	U		0.000272	0.00594	1	03/17/2018 19:09	WG1085897
Chloromethane	U		0.000445	0.00297	1	03/17/2018 19:09	WG1085897
2-Chlorotoluene	U		0.000357	0.00119	1	03/17/2018 19:09	WG1085897
4-Chlorotoluene	U		0.000285	0.00119	1	03/17/2018 19:09	WG1085897
1,2-Dibromo-3-Chloropropane	U		0.00125	0.00594	1	03/17/2018 19:09	WG1085897
1,2-Dibromoethane	U		0.000407	0.00119	1	03/17/2018 19:09	WG1085897
Dibromomethane	U		0.000453	0.00119	1	03/17/2018 19:09	WG1085897
1,2-Dichlorobenzene	U		0.000362	0.00119	1	03/17/2018 19:09	WG1085897
1,3-Dichlorobenzene	U		0.000284	0.00119	1	03/17/2018 19:09	WG1085897
1,4-Dichlorobenzene	U		0.000268	0.00119	1	03/17/2018 19:09	WG1085897
Dichlorodifluoromethane	U		0.000846	0.00594	1	03/17/2018 19:09	WG1085897
1,1-Dichloroethane	U		0.000236	0.00119	1	03/17/2018 19:09	WG1085897
1,2-Dichloroethane	U		0.000315	0.00119	1	03/17/2018 19:09	WG1085897
1,1-Dichloroethene	U		0.000360	0.00119	1	03/17/2018 19:09	WG1085897
cis-1,2-Dichloroethene	0.0327		0.000279	0.00119	1	03/17/2018 19:09	WG1085897
trans-1,2-Dichloroethene	U		0.000313	0.00119	1	03/17/2018 19:09	WG1085897
1,2-Dichloropropane	U		0.000425	0.00119	1	03/17/2018 19:09	WG1085897
1,1-Dichloropropene	U		0.000376	0.00119	1	03/17/2018 19:09	WG1085897
1,3-Dichloropropane	U		0.000246	0.00119	1	03/17/2018 19:09	WG1085897
cis-1,3-Dichloropropene	U		0.000311	0.00119	1	03/17/2018 19:09	WG1085897
trans-1,3-Dichloropropene	U		0.000317	0.00119	1	03/17/2018 19:09	WG1085897
trans-1,4-Dichloro-2-butene	U	J0	0.000924	0.00297	1	03/17/2018 19:09	WG1085897
2,2-Dichloropropane	U		0.000331	0.00119	1	03/17/2018 19:09	WG1085897
Di-isopropyl ether	U		0.000294	0.00119	1	03/17/2018 19:09	WG1085897
Ethylbenzene	U		0.000353	0.00119	1	03/17/2018 19:09	WG1085897
Hexachloro-1,3-butadiene	U		0.000406	0.00119	1	03/17/2018 19:09	WG1085897
2-Hexanone	U		0.00163	0.0119	1	03/17/2018 19:09	WG1085897
n-Hexane	U		0.000344	0.0119	1	03/17/2018 19:09	WG1085897
Iodomethane	U	J4	0.00300	0.0119	1	03/17/2018 19:09	WG1085897
Isopropylbenzene	U		0.000288	0.00119	1	03/17/2018 19:09	WG1085897
p-Isopropyltoluene	U		0.000242	0.00119	1	03/17/2018 19:09	WG1085897
2-Butanone (MEK)	U		0.00556	0.0119	1	03/17/2018 19:09	WG1085897
Methylene Chloride	U		0.00119	0.00594	1	03/17/2018 19:09	WG1085897
4-Methyl-2-pentanone (MIBK)	U		0.00223	0.0119	1	03/17/2018 19:09	WG1085897

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000252	0.00119	1	03/17/2018 19:09	WG1085897
Naphthalene	U		0.00119	0.00594	1	03/17/2018 19:09	WG1085897
n-Propylbenzene	U		0.000245	0.00119	1	03/17/2018 19:09	WG1085897
Styrene	U		0.000278	0.00119	1	03/17/2018 19:09	WG1085897
1,1,1,2-Tetrachloroethane	U		0.000313	0.00119	1	03/17/2018 19:09	WG1085897
1,1,2,2-Tetrachloroethane	U		0.000433	0.00119	1	03/17/2018 19:09	WG1085897
1,1,2-Trichlorotrifluoroethane	U	J4	0.000433	0.00119	1	03/17/2018 19:09	WG1085897
Tetrachloroethene	1.96		0.00819	0.0297	25	03/22/2018 06:05	WG1085897
Toluene	U		0.000515	0.00594	1	03/17/2018 19:09	WG1085897
1,2,3-Trichlorobenzene	U		0.000363	0.00119	1	03/17/2018 19:09	WG1085897
1,2,4-Trichlorobenzene	U		0.000461	0.00119	1	03/17/2018 19:09	WG1085897
1,1,1-Trichloroethane	U		0.000339	0.00119	1	03/17/2018 19:09	WG1085897
1,1,2-Trichloroethane	U		0.000329	0.00119	1	03/17/2018 19:09	WG1085897
Trichloroethene	0.0138		0.000331	0.00119	1	03/17/2018 19:09	WG1085897
Trichlorofluoromethane	U	J0	0.000453	0.00594	1	03/17/2018 19:09	WG1085897
1,2,3-Trichloropropane	U		0.000880	0.00297	1	03/17/2018 19:09	WG1085897
1,2,4-Trimethylbenzene	U		0.000250	0.00119	1	03/17/2018 19:09	WG1085897
1,2,3-Trimethylbenzene	U		0.000341	0.00119	1	03/17/2018 19:09	WG1085897
1,3,5-Trimethylbenzene	U		0.000316	0.00119	1	03/17/2018 19:09	WG1085897
Vinyl acetate	U		0.00284	0.0119	1	03/17/2018 19:09	WG1085897
Vinyl chloride	0.00139		0.000345	0.00119	1	03/17/2018 19:09	WG1085897
Xylenes, Total	U		0.000829	0.00356	1	03/17/2018 19:09	WG1085897
(S) Toluene-d8	*92.0*			*80.0-120*		*03/22/2018 06:05*	WG1085897
(S) Toluene-d8	*98.0*			*80.0-120*		*03/17/2018 19:09*	WG1085897
(S) Dibromofluoromethane	*90.3*			*74.0-131*		*03/22/2018 06:05*	WG1085897
(S) Dibromofluoromethane	*107*			*74.0-131*		*03/17/2018 19:09*	WG1085897
(S) 4-Bromofluorobenzene	*91.2*			*64.0-132*		*03/22/2018 06:05*	WG1085897
(S) 4-Bromofluorobenzene	*101*			*64.0-132*		*03/17/2018 19:09*	WG1085897

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	89.3		1	03/20/2018 11:29	WG1086786

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0112	0.0560	1	03/17/2018 19:29	WG1085897
Acrylonitrile	U		0.00200	0.0112	1	03/17/2018 19:29	WG1085897
Benzene	U		0.000302	0.00112	1	03/17/2018 19:29	WG1085897
Bromobenzene	U		0.000318	0.00112	1	03/17/2018 19:29	WG1085897
Bromodichloromethane	U		0.000284	0.00112	1	03/17/2018 19:29	WG1085897
Bromochloromethane	U		0.000437	0.00560	1	03/17/2018 19:29	WG1085897
Bromoform	U		0.000475	0.00112	1	03/17/2018 19:29	WG1085897
Bromomethane	U		0.00150	0.00560	1	03/17/2018 19:29	WG1085897
n-Butylbenzene	U		0.000289	0.00112	1	03/17/2018 19:29	WG1085897
sec-Butylbenzene	U		0.000225	0.00112	1	03/17/2018 19:29	WG1085897
tert-Butylbenzene	U		0.000231	0.00112	1	03/17/2018 19:29	WG1085897
Carbon disulfide	U		0.000247	0.00112	1	03/17/2018 19:29	WG1085897
Carbon tetrachloride	U		0.000367	0.00112	1	03/17/2018 19:29	WG1085897
Chlorobenzene	U		0.000237	0.00112	1	03/17/2018 19:29	WG1085897
Chlorodibromomethane	U		0.000418	0.00112	1	03/17/2018 19:29	WG1085897
Chloroethane	U		0.00106	0.00560	1	03/17/2018 19:29	WG1085897
Chloroform	U		0.000256	0.00560	1	03/17/2018 19:29	WG1085897
Chloromethane	U		0.000420	0.00280	1	03/17/2018 19:29	WG1085897
2-Chlorotoluene	U		0.000337	0.00112	1	03/17/2018 19:29	WG1085897
4-Chlorotoluene	U		0.000269	0.00112	1	03/17/2018 19:29	WG1085897
1,2-Dibromo-3-Chloropropane	U		0.00118	0.00560	1	03/17/2018 19:29	WG1085897
1,2-Dibromoethane	U		0.000384	0.00112	1	03/17/2018 19:29	WG1085897
Dibromomethane	U		0.000428	0.00112	1	03/17/2018 19:29	WG1085897
1,2-Dichlorobenzene	U		0.000341	0.00112	1	03/17/2018 19:29	WG1085897
1,3-Dichlorobenzene	U		0.000268	0.00112	1	03/17/2018 19:29	WG1085897
1,4-Dichlorobenzene	U		0.000253	0.00112	1	03/17/2018 19:29	WG1085897
Dichlorodifluoromethane	U		0.000798	0.00560	1	03/17/2018 19:29	WG1085897
1,1-Dichloroethane	U		0.000223	0.00112	1	03/17/2018 19:29	WG1085897
1,2-Dichloroethane	U		0.000297	0.00112	1	03/17/2018 19:29	WG1085897
1,1-Dichloroethene	U		0.000339	0.00112	1	03/17/2018 19:29	WG1085897
cis-1,2-Dichloroethene	0.00864		0.000263	0.00112	1	03/17/2018 19:29	WG1085897
trans-1,2-Dichloroethene	U		0.000296	0.00112	1	03/17/2018 19:29	WG1085897
1,2-Dichloropropane	U		0.000401	0.00112	1	03/17/2018 19:29	WG1085897
1,1-Dichloropropene	U		0.000355	0.00112	1	03/17/2018 19:29	WG1085897
1,3-Dichloropropane	U		0.000232	0.00112	1	03/17/2018 19:29	WG1085897
cis-1,3-Dichloropropene	U		0.000293	0.00112	1	03/17/2018 19:29	WG1085897
trans-1,3-Dichloropropene	U		0.000299	0.00112	1	03/17/2018 19:29	WG1085897
trans-1,4-Dichloro-2-butene	U	J0	0.000871	0.00280	1	03/17/2018 19:29	WG1085897
2,2-Dichloropropane	U		0.000312	0.00112	1	03/17/2018 19:29	WG1085897
Di-isopropyl ether	U		0.000278	0.00112	1	03/17/2018 19:29	WG1085897
Ethylbenzene	U		0.000332	0.00112	1	03/17/2018 19:29	WG1085897
Hexachloro-1,3-butadiene	U		0.000383	0.00112	1	03/17/2018 19:29	WG1085897
2-Hexanone	U		0.00153	0.0112	1	03/17/2018 19:29	WG1085897
n-Hexane	U		0.000325	0.0112	1	03/17/2018 19:29	WG1085897
Iodomethane	U	J4	0.00283	0.0112	1	03/17/2018 19:29	WG1085897
Isopropylbenzene	U		0.000272	0.00112	1	03/17/2018 19:29	WG1085897
p-Isopropyltoluene	U		0.000228	0.00112	1	03/17/2018 19:29	WG1085897
2-Butanone (MEK)	U		0.00524	0.0112	1	03/17/2018 19:29	WG1085897
Methylene Chloride	U		0.00112	0.00560	1	03/17/2018 19:29	WG1085897
4-Methyl-2-pentanone (MIBK)	U		0.00210	0.0112	1	03/17/2018 19:29	WG1085897

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000237	0.00112	1	03/17/2018 19:29	WG1085897
Naphthalene	U		0.00112	0.00560	1	03/17/2018 19:29	WG1085897
n-Propylbenzene	U		0.000231	0.00112	1	03/17/2018 19:29	WG1085897
Styrene	U		0.000262	0.00112	1	03/17/2018 19:29	WG1085897
1,1,1,2-Tetrachloroethane	U		0.000296	0.00112	1	03/17/2018 19:29	WG1085897
1,1,2,2-Tetrachloroethane	U		0.000409	0.00112	1	03/17/2018 19:29	WG1085897
1,1,2-Trichlorotrifluoroethane	U	J4	0.000409	0.00112	1	03/17/2018 19:29	WG1085897
Tetrachloroethene	0.0850		0.00772	0.0280	25	03/22/2018 12:21	WG1085897
Toluene	U		0.000486	0.00560	1	03/17/2018 19:29	WG1085897
1,2,3-Trichlorobenzene	U		0.000343	0.00112	1	03/17/2018 19:29	WG1085897
1,2,4-Trichlorobenzene	U		0.000434	0.00112	1	03/17/2018 19:29	WG1085897
1,1,1-Trichloroethane	U		0.000320	0.00112	1	03/17/2018 19:29	WG1085897
1,1,2-Trichloroethane	U		0.000310	0.00112	1	03/17/2018 19:29	WG1085897
Trichloroethene	0.00383		0.000312	0.00112	1	03/17/2018 19:29	WG1085897
Trichlorofluoromethane	U	J0	0.000428	0.00560	1	03/17/2018 19:29	WG1085897
1,2,3-Trichloropropane	U		0.000829	0.00280	1	03/17/2018 19:29	WG1085897
1,2,4-Trimethylbenzene	U		0.000236	0.00112	1	03/17/2018 19:29	WG1085897
1,2,3-Trimethylbenzene	U		0.000321	0.00112	1	03/17/2018 19:29	WG1085897
1,3,5-Trimethylbenzene	U		0.000298	0.00112	1	03/17/2018 19:29	WG1085897
Vinyl acetate	U		0.00268	0.0112	1	03/17/2018 19:29	WG1085897
Vinyl chloride	0.000586	J	0.000326	0.00112	1	03/17/2018 19:29	WG1085897
Xylenes, Total	U		0.000781	0.00336	1	03/17/2018 19:29	WG1085897
(S) Toluene-d8	*101*			*80.0-120*		*03/17/2018 19:29*	WG1085897
(S) Toluene-d8	*106*			*80.0-120*		*03/22/2018 12:21*	WG1085897
(S) Dibromofluoromethane	*108*			*74.0-131*		*03/17/2018 19:29*	WG1085897
(S) Dibromofluoromethane	*96.9*			*74.0-131*		*03/22/2018 12:21*	WG1085897
(S) 4-Bromofluorobenzene	*89.2*			*64.0-132*		*03/22/2018 12:21*	WG1085897
(S) 4-Bromofluorobenzene	*105*			*64.0-132*		*03/17/2018 19:29*	WG1085897

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	90.1		1	03/20/2018 11:29	WG1086786

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0111	0.0555	1	03/17/2018 19:50	WG1085897
Acrylonitrile	U		0.00199	0.0111	1	03/17/2018 19:50	WG1085897
Benzene	U		0.000300	0.00111	1	03/17/2018 19:50	WG1085897
Bromobenzene	U		0.000315	0.00111	1	03/17/2018 19:50	WG1085897
Bromodichloromethane	U		0.000282	0.00111	1	03/17/2018 19:50	WG1085897
Bromochloromethane	U		0.000433	0.00555	1	03/17/2018 19:50	WG1085897
Bromoform	U		0.000471	0.00111	1	03/17/2018 19:50	WG1085897
Bromomethane	U		0.00149	0.00555	1	03/17/2018 19:50	WG1085897
n-Butylbenzene	U		0.000286	0.00111	1	03/17/2018 19:50	WG1085897
sec-Butylbenzene	U		0.000223	0.00111	1	03/17/2018 19:50	WG1085897
tert-Butylbenzene	U		0.000229	0.00111	1	03/17/2018 19:50	WG1085897
Carbon disulfide	0.000336	J	0.000245	0.00111	1	03/17/2018 19:50	WG1085897
Carbon tetrachloride	U		0.000364	0.00111	1	03/17/2018 19:50	WG1085897
Chlorobenzene	U		0.000235	0.00111	1	03/17/2018 19:50	WG1085897
Chlorodibromomethane	U		0.000414	0.00111	1	03/17/2018 19:50	WG1085897
Chloroethane	U		0.00105	0.00555	1	03/17/2018 19:50	WG1085897
Chloroform	U		0.000254	0.00555	1	03/17/2018 19:50	WG1085897
Chloromethane	0.00634		0.000416	0.00277	1	03/17/2018 19:50	WG1085897
2-Chlorotoluene	U		0.000334	0.00111	1	03/17/2018 19:50	WG1085897
4-Chlorotoluene	U		0.000266	0.00111	1	03/17/2018 19:50	WG1085897
1,2-Dibromo-3-Chloropropane	U		0.00117	0.00555	1	03/17/2018 19:50	WG1085897
1,2-Dibromoethane	U		0.000381	0.00111	1	03/17/2018 19:50	WG1085897
Dibromomethane	U		0.000424	0.00111	1	03/17/2018 19:50	WG1085897
1,2-Dichlorobenzene	U		0.000338	0.00111	1	03/17/2018 19:50	WG1085897
1,3-Dichlorobenzene	U		0.000265	0.00111	1	03/17/2018 19:50	WG1085897
1,4-Dichlorobenzene	U		0.000251	0.00111	1	03/17/2018 19:50	WG1085897
Dichlorodifluoromethane	U		0.000791	0.00555	1	03/17/2018 19:50	WG1085897
1,1-Dichloroethane	U		0.000221	0.00111	1	03/17/2018 19:50	WG1085897
1,2-Dichloroethane	U		0.000294	0.00111	1	03/17/2018 19:50	WG1085897
1,1-Dichloroethene	0.000495	J	0.000336	0.00111	1	03/17/2018 19:50	WG1085897
cis-1,2-Dichloroethene	0.108		0.000261	0.00111	1	03/17/2018 19:50	WG1085897
trans-1,2-Dichloroethene	0.000329	J	0.000293	0.00111	1	03/17/2018 19:50	WG1085897
1,2-Dichloropropane	U		0.000397	0.00111	1	03/17/2018 19:50	WG1085897
1,1-Dichloropropene	U		0.000352	0.00111	1	03/17/2018 19:50	WG1085897
1,3-Dichloropropane	U		0.000230	0.00111	1	03/17/2018 19:50	WG1085897
cis-1,3-Dichloropropene	U		0.000291	0.00111	1	03/17/2018 19:50	WG1085897
trans-1,3-Dichloropropene	U		0.000296	0.00111	1	03/17/2018 19:50	WG1085897
trans-1,4-Dichloro-2-butene	U	J0	0.000863	0.00277	1	03/17/2018 19:50	WG1085897
2,2-Dichloropropane	U		0.000310	0.00111	1	03/17/2018 19:50	WG1085897
Di-isopropyl ether	U		0.000275	0.00111	1	03/17/2018 19:50	WG1085897
Ethylbenzene	U		0.000330	0.00111	1	03/17/2018 19:50	WG1085897
Hexachloro-1,3-butadiene	U		0.000380	0.00111	1	03/17/2018 19:50	WG1085897
2-Hexanone	U		0.00152	0.0111	1	03/17/2018 19:50	WG1085897
n-Hexane	U		0.000322	0.0111	1	03/17/2018 19:50	WG1085897
Iodomethane	U	J4	0.00281	0.0111	1	03/17/2018 19:50	WG1085897
Isopropylbenzene	U		0.000270	0.00111	1	03/17/2018 19:50	WG1085897
p-Isopropyltoluene	U		0.000226	0.00111	1	03/17/2018 19:50	WG1085897
2-Butanone (MEK)	U		0.00519	0.0111	1	03/17/2018 19:50	WG1085897
Methylene Chloride	U		0.00111	0.00555	1	03/17/2018 19:50	WG1085897
4-Methyl-2-pentanone (MIBK)	U		0.00209	0.0111	1	03/17/2018 19:50	WG1085897

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000235	0.00111	1	03/17/2018 19:50	WG1085897
Naphthalene	U		0.00111	0.00555	1	03/17/2018 19:50	WG1085897
n-Propylbenzene	U		0.000229	0.00111	1	03/17/2018 19:50	WG1085897
Styrene	U		0.000260	0.00111	1	03/17/2018 19:50	WG1085897
1,1,1,2-Tetrachloroethane	U		0.000293	0.00111	1	03/17/2018 19:50	WG1085897
1,1,2,2-Tetrachloroethane	U		0.000405	0.00111	1	03/17/2018 19:50	WG1085897
1,1,2-Trichlorotrifluoroethane	U	J4	0.000405	0.00111	1	03/17/2018 19:50	WG1085897
Tetrachloroethene	0.955		0.00766	0.0277	25	03/22/2018 06:44	WG1085897
Toluene	U		0.000482	0.00555	1	03/17/2018 19:50	WG1085897
1,2,3-Trichlorobenzene	U		0.000340	0.00111	1	03/17/2018 19:50	WG1085897
1,2,4-Trichlorobenzene	U		0.000431	0.00111	1	03/17/2018 19:50	WG1085897
1,1,1-Trichloroethane	U		0.000317	0.00111	1	03/17/2018 19:50	WG1085897
1,1,2-Trichloroethane	U		0.000307	0.00111	1	03/17/2018 19:50	WG1085897
Trichloroethene	0.0566		0.000310	0.00111	1	03/17/2018 19:50	WG1085897
Trichlorofluoromethane	U	J0	0.000424	0.00555	1	03/17/2018 19:50	WG1085897
1,2,3-Trichloropropane	U		0.000822	0.00277	1	03/17/2018 19:50	WG1085897
1,2,4-Trimethylbenzene	U		0.000234	0.00111	1	03/17/2018 19:50	WG1085897
1,2,3-Trimethylbenzene	U		0.000318	0.00111	1	03/17/2018 19:50	WG1085897
1,3,5-Trimethylbenzene	U		0.000295	0.00111	1	03/17/2018 19:50	WG1085897
Vinyl acetate	U		0.00265	0.0111	1	03/17/2018 19:50	WG1085897
Vinyl chloride	0.00405		0.000323	0.00111	1	03/17/2018 19:50	WG1085897
Xylenes, Total	U		0.000775	0.00333	1	03/17/2018 19:50	WG1085897
(S) Toluene-d8	*100*			*80.0-120*		*03/22/2018 06:44*	WG1085897
(S) Toluene-d8	*98.0*			*80.0-120*		*03/17/2018 19:50*	WG1085897
(S) Dibromofluoromethane	*103*			*74.0-131*		*03/17/2018 19:50*	WG1085897
(S) Dibromofluoromethane	*93.7*			*74.0-131*		*03/22/2018 06:44*	WG1085897
(S) 4-Bromofluorobenzene	*90.7*			*64.0-132*		*03/22/2018 06:44*	WG1085897
(S) 4-Bromofluorobenzene	*103*			*64.0-132*		*03/17/2018 19:50*	WG1085897

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Collected date/time: 09/11/17 00:00

SAMPLE RESULTS - 30

L977743

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		1.05	25.0	1	03/16/2018 01:33	WG1085337
Acrylonitrile	U		0.873	5.00	1	03/16/2018 01:33	WG1085337
Benzene	U		0.0896	0.500	1	03/16/2018 01:33	WG1085337
Bromobenzene	U		0.133	0.500	1	03/16/2018 01:33	WG1085337
Bromodichloromethane	U		0.0800	0.500	1	03/16/2018 01:33	WG1085337
Bromochloromethane	U		0.145	0.500	1	03/16/2018 01:33	WG1085337
Bromoform	U		0.186	0.500	1	03/16/2018 01:33	WG1085337
Bromomethane	U		0.157	2.50	1	03/16/2018 01:33	WG1085337
n-Butylbenzene	U		0.143	0.500	1	03/16/2018 01:33	WG1085337
sec-Butylbenzene	U		0.134	0.500	1	03/16/2018 01:33	WG1085337
tert-Butylbenzene	U		0.183	0.500	1	03/16/2018 01:33	WG1085337
Carbon disulfide	U		0.101	0.500	1	03/16/2018 01:33	WG1085337
Carbon tetrachloride	U		0.159	0.500	1	03/16/2018 01:33	WG1085337
Chlorobenzene	U		0.140	0.500	1	03/16/2018 01:33	WG1085337
Chlorodibromomethane	U		0.128	0.500	1	03/16/2018 01:33	WG1085337
Chloroethane	U		0.141	2.50	1	03/16/2018 01:33	WG1085337
Chloroform	U		0.0860	0.500	1	03/16/2018 01:33	WG1085337
Chloromethane	U		0.153	1.25	1	03/16/2018 01:33	WG1085337
2-Chlorotoluene	U		0.111	0.500	1	03/16/2018 01:33	WG1085337
4-Chlorotoluene	U		0.0972	0.500	1	03/16/2018 01:33	WG1085337
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	03/16/2018 01:33	WG1085337
1,2-Dibromoethane	U		0.193	0.500	1	03/16/2018 01:33	WG1085337
Dibromomethane	U		0.117	0.500	1	03/16/2018 01:33	WG1085337
1,2-Dichlorobenzene	U		0.101	0.500	1	03/16/2018 01:33	WG1085337
1,3-Dichlorobenzene	U		0.130	0.500	1	03/16/2018 01:33	WG1085337
1,4-Dichlorobenzene	U		0.121	0.500	1	03/16/2018 01:33	WG1085337
Dichlorodifluoromethane	U		0.127	2.50	1	03/16/2018 01:33	WG1085337
1,1-Dichloroethane	U		0.114	0.500	1	03/16/2018 01:33	WG1085337
1,2-Dichloroethane	U		0.108	0.500	1	03/16/2018 01:33	WG1085337
1,1-Dichloroethene	U		0.188	0.500	1	03/16/2018 01:33	WG1085337
cis-1,2-Dichloroethene	U		0.0933	0.500	1	03/16/2018 01:33	WG1085337
trans-1,2-Dichloroethene	U		0.152	0.500	1	03/16/2018 01:33	WG1085337
1,2-Dichloropropane	U		0.190	0.500	1	03/16/2018 01:33	WG1085337
1,1-Dichloropropene	U		0.128	0.500	1	03/16/2018 01:33	WG1085337
1,3-Dichloropropane	U		0.147	1.00	1	03/16/2018 01:33	WG1085337
cis-1,3-Dichloropropene	U		0.0976	0.500	1	03/16/2018 01:33	WG1085337
trans-1,3-Dichloropropene	U		0.222	0.500	1	03/16/2018 01:33	WG1085337
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	03/16/2018 01:33	WG1085337
2,2-Dichloropropane	U		0.0929	0.500	1	03/16/2018 01:33	WG1085337
Di-isopropyl ether	U		0.0924	0.500	1	03/16/2018 01:33	WG1085337
Ethylbenzene	U		0.158	0.500	1	03/16/2018 01:33	WG1085337
Hexachloro-1,3-butadiene	U		0.157	1.00	1	03/16/2018 01:33	WG1085337
2-Hexanone	U		0.757	5.00	1	03/16/2018 01:33	WG1085337
n-Hexane	U		0.305	5.00	1	03/16/2018 01:33	WG1085337
Iodomethane	U		0.377	10.0	1	03/16/2018 01:33	WG1085337
Isopropylbenzene	U		0.126	0.500	1	03/16/2018 01:33	WG1085337
p-Isopropyltoluene	U		0.138	0.500	1	03/16/2018 01:33	WG1085337
2-Butanone (MEK)	U		1.28	5.00	1	03/16/2018 01:33	WG1085337
Methylene Chloride	U		1.07	2.50	1	03/16/2018 01:33	WG1085337
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	03/16/2018 01:33	WG1085337
Methyl tert-butyl ether	U		0.102	0.500	1	03/16/2018 01:33	WG1085337
Naphthalene	U		0.174	2.50	1	03/16/2018 01:33	WG1085337
n-Propylbenzene	U		0.162	0.500	1	03/16/2018 01:33	WG1085337
Styrene	U		0.117	0.500	1	03/16/2018 01:33	WG1085337
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	03/16/2018 01:33	WG1085337
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	03/16/2018 01:33	WG1085337

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	03/16/2018 01:33	WG1085337
Tetrachloroethene	U		0.199	0.500	1	03/16/2018 01:33	WG1085337
Toluene	U		0.412	0.500	1	03/16/2018 01:33	WG1085337
1,2,3-Trichlorobenzene	U		0.164	0.500	1	03/16/2018 01:33	WG1085337
1,2,4-Trichlorobenzene	U		0.355	0.500	1	03/16/2018 01:33	WG1085337
1,1,1-Trichloroethane	U		0.0940	0.500	1	03/16/2018 01:33	WG1085337
1,1,2-Trichloroethane	U		0.186	0.500	1	03/16/2018 01:33	WG1085337
Trichloroethene	U		0.153	0.500	1	03/16/2018 01:33	WG1085337
Trichlorofluoromethane	U		0.130	2.50	1	03/16/2018 01:33	WG1085337
1,2,3-Trichloropropane	U		0.247	2.50	1	03/16/2018 01:33	WG1085337
1,2,4-Trimethylbenzene	U		0.123	0.500	1	03/16/2018 01:33	WG1085337
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	03/16/2018 01:33	WG1085337
1,3,5-Trimethylbenzene	U		0.124	0.500	1	03/16/2018 01:33	WG1085337
Vinyl acetate	U		0.645	5.00	1	03/16/2018 01:33	WG1085337
Vinyl chloride	U		0.118	0.500	1	03/16/2018 01:33	WG1085337
Xylenes, Total	U		0.316	1.50	1	03/16/2018 01:33	WG1085337
(S) Toluene-d8	*107*			*80.0-120*		*03/16/2018 01:33*	WG1085337
(S) Dibromofluoromethane	*87.2*			*76.0-123*		*03/16/2018 01:33*	WG1085337
(S) 4-Bromofluorobenzene	*96.2*			*80.0-120*		*03/16/2018 01:33*	WG1085337

Method Blank (MB)

(MB) R3294876-1 03/20/18 11:04

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.000			

L977743-04 Original Sample (OS) • Duplicate (DUP)

(OS) L977743-04 03/20/18 11:04 • (DUP) R3294876-3 03/20/18 11:04

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	91.1	90.2	1	0.911		5

Laboratory Control Sample (LCS)

(LCS) R3294876-2 03/20/18 11:04

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	85.0-115	

Method Blank (MB)

(MB) R3294904-1 03/20/18 13:37

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	%		%	%
Total Solids	0.000			

L977743-10 Original Sample (OS) • Duplicate (DUP)

(OS) L977743-10 03/20/18 13:37 • (DUP) R3294904-3 03/20/18 13:37

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	%	%		%		%
Total Solids	91.2	90.6	1	0.633		5

Laboratory Control Sample (LCS)

(LCS) R3294904-2 03/20/18 13:37

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	%	%	%	%	
Total Solids	50.0	50.0	100	85.0-115	

Method Blank (MB)

(MB) R3294902-1 03/20/18 13:24

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.00100			

L977743-24 Original Sample (OS) • Duplicate (DUP)

(OS) L977743-24 03/20/18 13:24 • (DUP) R3294902-3 03/20/18 13:24

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	86.7	86.9	1	0.245		5

Laboratory Control Sample (LCS)

(LCS) R3294902-2 03/20/18 13:24

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	85.0-115	

Method Blank (MB)

(MB) R3294900-1 03/20/18 11:29

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.00200			

L977746-02 Original Sample (OS) • Duplicate (DUP)

(OS) L977746-02 03/20/18 11:29 • (DUP) R3294900-3 03/20/18 11:29

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	89.7	91.4	1	1.80		5

Laboratory Control Sample (LCS)

(LCS) R3294900-2 03/20/18 11:29

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	85.0-115	

Method Blank (MB)

(MB) R3293883-4 03/15/18 21:19

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Acetone	U		1.05	25.0
Acrylonitrile	U		0.873	5.00
Benzene	U		0.0896	0.500
Bromobenzene	U		0.133	0.500
Bromochloromethane	U		0.145	0.500
Bromodichloromethane	U		0.0800	0.500
Bromoform	U		0.186	0.500
Bromomethane	U		0.157	2.50
Carbon disulfide	U		0.101	0.500
n-Butylbenzene	U		0.143	0.500
sec-Butylbenzene	U		0.134	0.500
tert-Butylbenzene	U		0.183	0.500
Carbon tetrachloride	U		0.159	0.500
Chlorobenzene	U		0.140	0.500
Chlorodibromomethane	U		0.128	0.500
Chloroethane	U		0.141	2.50
Chloroform	U		0.0860	0.500
Chloromethane	U		0.153	1.25
2-Chlorotoluene	U		0.111	0.500
4-Chlorotoluene	U		0.0972	0.500
1,2-Dibromo-3-Chloropropane	U		0.325	2.50
1,2-Dibromoethane	U		0.193	0.500
Dibromomethane	U		0.117	0.500
1,2-Dichlorobenzene	U		0.101	0.500
1,3-Dichlorobenzene	U		0.130	0.500
1,4-Dichlorobenzene	U		0.121	0.500
Dichlorodifluoromethane	U		0.127	2.50
1,1-Dichloroethane	U		0.114	0.500
1,2-Dichloroethane	U		0.108	0.500
1,1-Dichloroethene	U		0.188	0.500
cis-1,2-Dichloroethene	U		0.0933	0.500
trans-1,2-Dichloroethene	U		0.152	0.500
trans-1,4-Dichloro-2-butene	U		0.257	5.00
1,2-Dichloropropane	U		0.190	0.500
1,1-Dichloropropene	U		0.128	0.500
1,3-Dichloropropane	U		0.147	1.00
cis-1,3-Dichloropropene	U		0.0976	0.500
2-Hexanone	U		0.757	5.00
trans-1,3-Dichloropropene	U		0.222	0.500
2,2-Dichloropropane	U		0.0929	0.500

Method Blank (MB)

(MB) R3293883-4 03/15/18 21:19

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
n-Hexane	U		0.305	5.00
Iodomethane	U		0.377	10.0
Di-isopropyl ether	U		0.0924	0.500
Ethylbenzene	U		0.158	0.500
Hexachloro-1,3-butadiene	U		0.157	1.00
Isopropylbenzene	U		0.126	0.500
p-Isopropyltoluene	U		0.138	0.500
2-Butanone (MEK)	U		1.28	5.00
Methylene Chloride	U		1.07	2.50
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00
Methyl tert-butyl ether	U		0.102	0.500
Naphthalene	U		0.174	2.50
Vinyl acetate	U		0.645	5.00
n-Propylbenzene	U		0.162	0.500
Styrene	U		0.117	0.500
1,1,1,2-Tetrachloroethane	U		0.120	0.500
1,1,2,2-Tetrachloroethane	U		0.130	0.500
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500
Tetrachloroethene	U		0.199	0.500
Toluene	U		0.412	0.500
1,2,3-Trichlorobenzene	U		0.164	0.500
1,2,4-Trichlorobenzene	U		0.355	0.500
1,1,1-Trichloroethane	U		0.0940	0.500
1,1,2-Trichloroethane	U		0.186	0.500
Trichloroethene	U		0.153	0.500
Trichlorofluoromethane	U		0.130	2.50
1,2,3-Trichloropropane	U		0.247	2.50
1,2,4-Trimethylbenzene	U		0.123	0.500
1,2,3-Trimethylbenzene	U		0.0739	0.500
1,3,5-Trimethylbenzene	U		0.124	0.500
Vinyl chloride	U		0.118	0.500
Xylenes, Total	U		0.316	1.50
(S) Toluene-d8	*108*			*80.0-120*
(S) Dibromofluoromethane	*89.6*			*76.0-123*
(S) 4-Bromofluorobenzene	*94.5*			*80.0-120*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3293883-1 03/15/18 19:52 • (LCSD) R3293883-2 03/15/18 20:11

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Carbon disulfide	25.0	18.4	18.7	73.5	74.7	55.0-127			1.55	20
trans-1,4-Dichloro-2-butene	25.0	23.0	22.5	91.8	89.9	55.0-134			2.05	20
Bromochloromethane	25.0	23.0	24.1	92.0	96.4	76.0-122			4.73	20
2-Hexanone	125	143	147	115	117	58.0-147			2.28	20
Acetone	125	166	163	133	131	10.0-160			2.03	23
n-Hexane	25.0	21.1	21.3	84.4	85.1	56.0-124			0.798	20
Iodomethane	125	105	107	84.1	85.2	57.0-140			1.27	20
Acrylonitrile	125	129	129	103	103	60.0-142			0.00692	20
Benzene	25.0	22.8	22.6	91.1	90.3	69.0-123			0.910	20
Bromobenzene	25.0	23.6	22.6	94.4	90.5	79.0-120			4.15	20
Bromodichloromethane	25.0	20.6	20.0	82.5	79.9	76.0-120			3.16	20
Bromoform	25.0	23.2	22.4	93.0	89.6	67.0-132			3.69	20
Bromomethane	25.0	21.8	21.4	87.1	85.6	18.0-160			1.75	20
n-Butylbenzene	25.0	23.6	22.8	94.5	91.3	72.0-126			3.36	20
sec-Butylbenzene	25.0	24.8	24.2	99.2	96.8	74.0-121			2.47	20
tert-Butylbenzene	25.0	24.3	24.2	97.0	96.8	75.0-122			0.238	20
Carbon tetrachloride	25.0	21.9	22.8	87.6	91.0	63.0-122			3.83	20
Chlorobenzene	25.0	25.2	26.1	101	105	79.0-121			3.48	20
Chlorodibromomethane	25.0	24.8	25.9	99.3	104	75.0-125			4.28	20
Chloroethane	25.0	21.7	21.5	86.7	86.2	47.0-152			0.627	20
Chloroform	25.0	21.5	22.2	85.9	88.6	72.0-121			3.18	20
Chloromethane	25.0	19.2	19.0	76.7	76.1	48.0-139			0.738	20
2-Chlorotoluene	25.0	24.1	22.9	96.5	91.7	74.0-122			5.06	20
4-Chlorotoluene	25.0	24.8	24.1	99.2	96.4	79.0-120			2.84	20
1,2-Dibromo-3-Chloropropane	25.0	22.6	22.4	90.4	89.4	64.0-127			1.08	20
1,2-Dibromoethane	25.0	25.7	27.2	103	109	77.0-123			5.46	20
Dibromomethane	25.0	22.5	22.3	90.1	89.1	78.0-120			1.06	20
1,2-Dichlorobenzene	25.0	24.9	23.9	99.6	95.8	80.0-120			3.92	20
Vinyl acetate	125	159	158	127	127	46.0-160			0.540	20
1,3-Dichlorobenzene	25.0	24.5	23.6	98.0	94.5	72.0-123			3.66	20
1,4-Dichlorobenzene	25.0	24.3	23.7	97.3	94.8	77.0-120			2.61	20
Dichlorodifluoromethane	25.0	18.4	18.9	73.4	75.4	49.0-155			2.71	20
1,1-Dichloroethane	25.0	20.7	21.0	82.8	84.0	70.0-126			1.42	20
1,2-Dichloroethane	25.0	22.1	22.2	88.5	88.7	67.0-126			0.274	20
1,1-Dichloroethene	25.0	22.0	22.6	88.0	90.3	64.0-129			2.59	20
cis-1,2-Dichloroethene	25.0	23.6	23.7	94.5	94.9	73.0-120			0.412	20
trans-1,2-Dichloroethene	25.0	22.5	22.9	90.0	91.5	71.0-121			1.60	20
1,2-Dichloropropane	25.0	23.1	22.9	92.3	91.4	75.0-125			0.989	20
1,1-Dichloropropene	25.0	24.3	24.7	97.1	98.7	71.0-129			1.68	20
1,3-Dichloropropane	25.0	25.7	26.8	103	107	80.0-121			4.13	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3293883-1 03/15/18 19:52 • (LCSD) R3293883-2 03/15/18 20:11

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
cis-1,3-Dichloropropene	25.0	25.6	26.5	102	106	79.0-123			3.71	20
trans-1,3-Dichloropropene	25.0	25.3	26.4	101	105	74.0-127			4.07	20
2,2-Dichloropropane	25.0	23.8	23.4	95.2	93.6	60.0-125			1.73	20
Di-isopropyl ether	25.0	20.9	21.1	83.4	84.6	59.0-133			1.38	20
Ethylbenzene	25.0	25.8	27.0	103	108	77.0-120			4.60	20
Hexachloro-1,3-butadiene	25.0	21.4	20.9	85.7	83.7	64.0-131			2.37	20
Isopropylbenzene	25.0	25.5	25.2	102	101	75.0-120			1.20	20
p-Isopropyltoluene	25.0	25.2	24.7	101	98.9	74.0-126			2.06	20
2-Butanone (MEK)	125	151	150	121	120	37.0-158			0.959	20
Methylene Chloride	25.0	20.7	20.8	83.0	83.0	66.0-121			0.0603	20
4-Methyl-2-pentanone (MIBK)	125	122	128	97.6	102	59.0-143			4.56	20
Methyl tert-butyl ether	25.0	21.5	22.2	86.0	88.8	64.0-123			3.27	20
Naphthalene	25.0	24.8	24.0	99.3	96.0	62.0-128			3.37	20
n-Propylbenzene	25.0	24.6	23.6	98.5	94.6	79.0-120			4.10	20
Styrene	25.0	24.4	24.2	97.5	96.7	78.0-124			0.737	20
1,1,1,2-Tetrachloroethane	25.0	23.4	24.1	93.5	96.3	75.0-122			2.91	20
1,1,2,2-Tetrachloroethane	25.0	25.3	24.4	101	97.5	71.0-122			3.52	20
1,1,2-Trichlorotrifluoroethane	25.0	24.6	25.7	98.3	103	61.0-136			4.54	20
Tetrachloroethene	25.0	25.2	26.1	101	104	70.0-127			3.25	20
Toluene	25.0	24.8	25.5	99.1	102	77.0-120			2.91	20
1,2,3-Trichlorobenzene	25.0	20.8	20.0	83.4	79.9	61.0-133			4.28	20
1,2,4-Trichlorobenzene	25.0	22.8	22.0	91.3	88.0	69.0-129			3.62	20
1,1,1-Trichloroethane	25.0	21.1	21.6	84.2	86.3	68.0-122			2.40	20
1,1,2-Trichloroethane	25.0	24.8	25.3	99.1	101	78.0-120			2.18	20
Trichloroethene	25.0	23.0	23.3	92.1	93.0	78.0-120			1.03	20
Trichlorofluoromethane	25.0	20.3	20.8	81.2	83.2	56.0-137			2.36	20
1,2,3-Trichloropropane	25.0	26.0	25.3	104	101	72.0-124			2.59	20
1,2,4-Trimethylbenzene	25.0	24.2	23.4	96.9	93.6	75.0-120			3.39	20
1,2,3-Trimethylbenzene	25.0	25.4	25.0	101	100	75.0-120			1.29	20
1,3,5-Trimethylbenzene	25.0	24.3	23.3	97.4	93.2	75.0-120			4.37	20
Vinyl chloride	25.0	21.1	21.1	84.3	84.5	64.0-133			0.247	20
Xylenes, Total	75.0	72.8	76.5	97.1	102	77.0-120			4.96	20
(S) Toluene-d8				*106*	*109*	*80.0-120*				
(S) Dibromofluoromethane				*90.2*	*87.9*	*76.0-123*				
(S) 4-Bromofluorobenzene				*97.2*	*95.4*	*80.0-120*				

Method Blank (MB)

(MB) R3295331-3 03/16/18 20:10

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acetone	U		0.0100	0.0500
Acrylonitrile	U		0.00179	0.0100
Benzene	U		0.000270	0.00100
Bromobenzene	U		0.000284	0.00100
Bromodichloromethane	U		0.000254	0.00100
Bromochloromethane	U		0.000390	0.00500
Bromoform	U		0.000424	0.00100
Bromomethane	U		0.00134	0.00500
n-Butylbenzene	U		0.000258	0.00100
sec-Butylbenzene	U		0.000201	0.00100
tert-Butylbenzene	U		0.000206	0.00100
Carbon disulfide	U		0.000221	0.00100
Carbon tetrachloride	U		0.000328	0.00100
Chlorobenzene	U		0.000212	0.00100
Chlorodibromomethane	U		0.000373	0.00100
Chloroethane	U		0.000946	0.00500
Chloroform	U		0.000229	0.00500
Chloromethane	U		0.000375	0.00250
2-Chlorotoluene	U		0.000301	0.00100
4-Chlorotoluene	U		0.000240	0.00100
1,2-Dibromo-3-Chloropropane	U		0.00105	0.00500
1,2-Dibromoethane	U		0.000343	0.00100
Dibromomethane	U		0.000382	0.00100
1,2-Dichlorobenzene	U		0.000305	0.00100
1,3-Dichlorobenzene	U		0.000239	0.00100
1,4-Dichlorobenzene	U		0.000226	0.00100
trans-1,4-Dichloro-2-butene	U		0.000778	0.00250
Dichlorodifluoromethane	U		0.000713	0.00500
1,1-Dichloroethane	U		0.000199	0.00100
1,2-Dichloroethane	U		0.000265	0.00100
1,1-Dichloroethene	U		0.000303	0.00100
cis-1,2-Dichloroethene	U		0.000235	0.00100
trans-1,2-Dichloroethene	U		0.000264	0.00100
1,2-Dichloropropane	U		0.000358	0.00100
1,1-Dichloropropene	U		0.000317	0.00100
1,3-Dichloropropane	U		0.000207	0.00100
cis-1,3-Dichloropropene	U		0.000262	0.00100
trans-1,3-Dichloropropene	U		0.000267	0.00100
2,2-Dichloropropane	U		0.000279	0.00100
Di-isopropyl ether	U		0.000248	0.00100

Method Blank (MB)

(MB) R3295331-3 03/16/18 20:10

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Ethylbenzene	U		0.000297	0.00100
Hexachloro-1,3-butadiene	U		0.000342	0.00100
2-Hexanone	U		0.00137	0.0100
n-Hexane	U		0.000290	0.0100
Iodomethane	U		0.00253	0.0100
Isopropylbenzene	U		0.000243	0.00100
p-Isopropyltoluene	U		0.000204	0.00100
2-Butanone (MEK)	U		0.00468	0.0100
Methylene Chloride	U		0.00100	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.00188	0.0100
Methyl tert-butyl ether	U		0.000212	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.000206	0.00100
Styrene	U		0.000234	0.00100
1,1,1,2-Tetrachloroethane	U		0.000264	0.00100
1,1,2,2-Tetrachloroethane	U		0.000365	0.00100
Tetrachloroethene	U		0.000276	0.00100
Toluene	U		0.000434	0.00500
1,1,2-Trichlorotrifluoroethane	U		0.000365	0.00100
1,2,3-Trichlorobenzene	U		0.000306	0.00100
1,2,4-Trichlorobenzene	U		0.000388	0.00100
1,1,1-Trichloroethane	U		0.000286	0.00100
1,1,2-Trichloroethane	U		0.000277	0.00100
Trichloroethene	U		0.000279	0.00100
Trichlorofluoromethane	U		0.000382	0.00500
1,2,3-Trichloropropane	U		0.000741	0.00250
1,2,3-Trimethylbenzene	U		0.000287	0.00100
1,2,4-Trimethylbenzene	U		0.000211	0.00100
1,3,5-Trimethylbenzene	U		0.000266	0.00100
Vinyl acetate	U		0.00239	0.0100
Vinyl chloride	U		0.000291	0.00100
Xylenes, Total	U		0.000698	0.00300
(S) Toluene-d8	*107*			*80.0-120*
(S) Dibromofluoromethane	*101*			*74.0-131*
(S) 4-Bromofluorobenzene	*96.6*			*64.0-132*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3295331-1 03/16/18 19:09 • (LCSD) R3295331-2 03/16/18 19:30

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.125	0.0929	0.109	74.3	87.4	11.0-160			16.2	23
Acrylonitrile	0.125	0.127	0.146	102	117	61.0-143			13.8	20
Benzene	0.0250	0.0261	0.0270	104	108	71.0-124			3.52	20
Bromobenzene	0.0250	0.0238	0.0272	95.1	109	78.0-120			13.4	20
Bromodichloromethane	0.0250	0.0247	0.0268	98.8	107	75.0-120			8.18	20
Bromochloromethane	0.0250	0.0272	0.0285	109	114	80.0-121			4.54	20
Bromoform	0.0250	0.0275	0.0307	110	123	65.0-133			10.8	20
Bromomethane	0.0250	0.0244	0.0252	97.5	101	26.0-160			3.17	20
n-Butylbenzene	0.0250	0.0265	0.0273	106	109	73.0-126			3.18	20
sec-Butylbenzene	0.0250	0.0271	0.0278	108	111	75.0-121			2.77	20
tert-Butylbenzene	0.0250	0.0265	0.0273	106	109	74.0-122			3.03	20
Carbon disulfide	0.0250	0.0261	0.0269	104	107	53.0-130			3.07	20
Carbon tetrachloride	0.0250	0.0251	0.0264	100	106	66.0-123			5.19	20
Chlorobenzene	0.0250	0.0279	0.0281	112	112	79.0-121			0.676	20
Chlorodibromomethane	0.0250	0.0278	0.0284	111	113	74.0-128			2.07	20
Chloroethane	0.0250	0.0248	0.0258	99.2	103	51.0-147			4.13	20
Chloroform	0.0250	0.0256	0.0268	102	107	73.0-123			4.76	20
Chloromethane	0.0250	0.0272	0.0278	109	111	51.0-138			2.19	20
2-Chlorotoluene	0.0250	0.0249	0.0270	99.6	108	72.0-124			8.26	20
4-Chlorotoluene	0.0250	0.0266	0.0276	106	110	78.0-120			3.77	20
1,2-Dibromo-3-Chloropropane	0.0250	0.0256	0.0292	102	117	65.0-126			13.3	20
1,2-Dibromoethane	0.0250	0.0278	0.0298	111	119	78.0-122			6.72	20
Dibromomethane	0.0250	0.0257	0.0280	103	112	79.0-120			8.44	20
1,2-Dichlorobenzene	0.0250	0.0262	0.0270	105	108	80.0-120			3.17	20
1,3-Dichlorobenzene	0.0250	0.0263	0.0271	105	108	72.0-123			3.11	20
1,4-Dichlorobenzene	0.0250	0.0259	0.0267	104	107	77.0-120			3.20	20
trans-1,4-Dichloro-2-butene	0.0250	0.0240	0.0299	96.0	120	68.0-126		J3	21.9	20
Dichlorodifluoromethane	0.0250	0.0288	0.0296	115	119	49.0-155			2.95	20
1,1-Dichloroethane	0.0250	0.0262	0.0274	105	110	70.0-128			4.59	20
1,2-Dichloroethane	0.0250	0.0233	0.0254	93.3	102	69.0-128			8.55	20
1,1-Dichloroethene	0.0250	0.0253	0.0259	101	104	63.0-131			2.45	20
cis-1,2-Dichloroethene	0.0250	0.0267	0.0277	107	111	74.0-123			3.69	20
trans-1,2-Dichloroethene	0.0250	0.0262	0.0272	105	109	72.0-122			3.64	20
1,2-Dichloropropane	0.0250	0.0258	0.0274	103	110	75.0-126			6.26	20
1,1-Dichloropropene	0.0250	0.0269	0.0279	107	112	72.0-130			3.74	20
1,3-Dichloropropane	0.0250	0.0270	0.0284	108	113	80.0-121			5.07	20
cis-1,3-Dichloropropene	0.0250	0.0279	0.0284	112	113	80.0-125			1.53	20
trans-1,3-Dichloropropene	0.0250	0.0280	0.0292	112	117	75.0-129			3.97	20
2,2-Dichloropropane	0.0250	0.0257	0.0271	103	108	60.0-129			5.42	20
Di-isopropyl ether	0.0250	0.0263	0.0280	105	112	62.0-133			6.23	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3295331-1 03/16/18 19:09 • (LCSD) R3295331-2 03/16/18 19:30

	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	%	%	%			%	%
Ethylbenzene	0.0250	0.0272	0.0273	109	109	77.0-120			0.490	20
Hexachloro-1,3-butadiene	0.0250	0.0276	0.0284	110	114	68.0-128			2.90	20
2-Hexanone	0.125	0.137	0.157	110	125	61.0-143			13.2	20
n-Hexane	0.0250	0.0276	0.0295	110	118	57.0-125			6.68	20
Iodomethane	0.125	0.129	0.134	103	107	67.0-132			3.92	20
Isopropylbenzene	0.0250	0.0269	0.0292	108	117	75.0-120			8.19	20
p-Isopropyltoluene	0.0250	0.0268	0.0278	107	111	74.0-125			3.67	20
2-Butanone (MEK)	0.125	0.116	0.139	92.5	112	37.0-159			18.6	20
Methylene Chloride	0.0250	0.0236	0.0243	94.5	97.3	67.0-123			2.91	20
4-Methyl-2-pentanone (MIBK)	0.125	0.140	0.158	112	127	60.0-144			12.2	20
Methyl tert-butyl ether	0.0250	0.0258	0.0278	103	111	66.0-125			7.34	20
Naphthalene	0.0250	0.0241	0.0274	96.3	110	64.0-125			13.1	20
n-Propylbenzene	0.0250	0.0249	0.0275	99.5	110	78.0-120			10.0	20
Styrene	0.0250	0.0278	0.0294	111	118	78.0-124			5.47	20
1,1,1,2-Tetrachloroethane	0.0250	0.0275	0.0271	110	108	74.0-124			1.61	20
1,1,2,2-Tetrachloroethane	0.0250	0.0259	0.0290	104	116	73.0-120			11.5	20
Tetrachloroethene	0.0250	0.0290	0.0281	116	113	70.0-127			3.02	20
Toluene	0.0250	0.0264	0.0262	106	105	77.0-120			0.873	20
1,1,2-Trichlorotrifluoroethane	0.0250	0.0256	0.0266	102	106	64.0-135			3.83	20
1,2,3-Trichlorobenzene	0.0250	0.0226	0.0260	90.3	104	68.0-126			14.2	20
1,2,4-Trichlorobenzene	0.0250	0.0258	0.0270	103	108	70.0-127			4.46	20
1,1,1-Trichloroethane	0.0250	0.0258	0.0265	103	106	69.0-125			2.52	20
1,1,2-Trichloroethane	0.0250	0.0278	0.0287	111	115	78.0-120			2.91	20
Trichloroethene	0.0250	0.0277	0.0289	111	116	79.0-120			4.41	20
Trichlorofluoromethane	0.0250	0.0232	0.0241	92.8	96.4	59.0-136			3.81	20
1,2,3-Trichloropropane	0.0250	0.0249	0.0301	99.7	120	73.0-124			18.8	20
1,2,3-Trimethylbenzene	0.0250	0.0259	0.0270	104	108	76.0-120			4.25	20
1,2,4-Trimethylbenzene	0.0250	0.0277	0.0285	111	114	75.0-120			2.69	20
1,3,5-Trimethylbenzene	0.0250	0.0263	0.0280	105	112	75.0-120			6.30	20
Vinyl acetate	0.125	0.133	0.148	107	118	58.0-156			10.3	20
Vinyl chloride	0.0250	0.0243	0.0251	97.1	101	63.0-134			3.50	20
Xylenes, Total	0.0750	0.0841	0.0834	112	111	77.0-120			0.836	20
(S) Toluene-d8				*107*	*102*	*80.0-120*				
(S) Dibromofluoromethane				*98.1*	*98.4*	*74.0-131*				
(S) 4-Bromofluorobenzene				*95.4*	*101*	*64.0-132*				

Method Blank (MB)

(MB) R3295172-3 03/17/18 13:55

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acetone	U		0.0100	0.0500
Acrylonitrile	U		0.00179	0.0100
Benzene	U		0.000270	0.00100
Bromobenzene	U		0.000284	0.00100
Bromodichloromethane	U		0.000254	0.00100
Bromochloromethane	U		0.000390	0.00500
Bromoform	U		0.000424	0.00100
Bromomethane	U		0.00134	0.00500
n-Butylbenzene	U		0.000258	0.00100
sec-Butylbenzene	U		0.000201	0.00100
tert-Butylbenzene	U		0.000206	0.00100
Carbon disulfide	U		0.000221	0.00100
Carbon tetrachloride	U		0.000328	0.00100
Chlorobenzene	U		0.000212	0.00100
Chlorodibromomethane	U		0.000373	0.00100
Chloroethane	U		0.000946	0.00500
Chloroform	U		0.000229	0.00500
Chloromethane	U		0.000375	0.00250
2-Chlorotoluene	U		0.000301	0.00100
4-Chlorotoluene	U		0.000240	0.00100
1,2-Dibromo-3-Chloropropane	U		0.00105	0.00500
1,2-Dibromoethane	U		0.000343	0.00100
Dibromomethane	U		0.000382	0.00100
1,2-Dichlorobenzene	U		0.000305	0.00100
1,3-Dichlorobenzene	U		0.000239	0.00100
1,4-Dichlorobenzene	U		0.000226	0.00100
trans-1,4-Dichloro-2-butene	U		0.000778	0.00250
Dichlorodifluoromethane	U		0.000713	0.00500
1,1-Dichloroethane	U		0.000199	0.00100
1,2-Dichloroethane	U		0.000265	0.00100
1,1-Dichloroethene	U		0.000303	0.00100
cis-1,2-Dichloroethene	U		0.000235	0.00100
trans-1,2-Dichloroethene	U		0.000264	0.00100
1,2-Dichloropropane	U		0.000358	0.00100
1,1-Dichloropropene	U		0.000317	0.00100
1,3-Dichloropropane	U		0.000207	0.00100
cis-1,3-Dichloropropene	U		0.000262	0.00100
trans-1,3-Dichloropropene	U		0.000267	0.00100
2,2-Dichloropropane	U		0.000279	0.00100
Di-isopropyl ether	U		0.000248	0.00100

Method Blank (MB)

(MB) R3295172-3 03/17/18 13:55

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Ethylbenzene	U		0.000297	0.00100
Hexachloro-1,3-butadiene	U		0.000342	0.00100
2-Hexanone	U		0.00137	0.0100
n-Hexane	U		0.000290	0.0100
Iodomethane	U		0.00253	0.0100
Isopropylbenzene	U		0.000243	0.00100
p-Isopropyltoluene	U		0.000204	0.00100
2-Butanone (MEK)	U		0.00468	0.0100
Methylene Chloride	U		0.00100	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.00188	0.0100
Methyl tert-butyl ether	U		0.000212	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.000206	0.00100
Styrene	U		0.000234	0.00100
1,1,1,2-Tetrachloroethane	U		0.000264	0.00100
1,1,2,2-Tetrachloroethane	U		0.000365	0.00100
Tetrachloroethene	U		0.000276	0.00100
Toluene	U		0.000434	0.00500
1,1,2-Trichlorotrifluoroethane	U		0.000365	0.00100
1,2,3-Trichlorobenzene	U		0.000306	0.00100
1,2,4-Trichlorobenzene	U		0.000388	0.00100
1,1,1-Trichloroethane	U		0.000286	0.00100
1,1,2-Trichloroethane	U		0.000277	0.00100
Trichloroethene	U		0.000279	0.00100
Trichlorofluoromethane	U		0.000382	0.00500
1,2,3-Trichloropropane	U		0.000741	0.00250
1,2,3-Trimethylbenzene	U		0.000287	0.00100
1,2,4-Trimethylbenzene	U		0.000211	0.00100
1,3,5-Trimethylbenzene	U		0.000266	0.00100
Vinyl acetate	U		0.00239	0.0100
Vinyl chloride	U		0.000291	0.00100
Xylenes, Total	U		0.000698	0.00300
(S) Toluene-d8	*109*			*80.0-120*
(S) Dibromofluoromethane	*103*			*74.0-131*
(S) 4-Bromofluorobenzene	*101*			*64.0-132*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3295172-1 03/17/18 12:31 • (LCSD) R3295172-2 03/17/18 12:52

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.125	0.110	0.105	87.9	84.3	11.0-160			4.17	23
Acrylonitrile	0.125	0.113	0.106	90.1	84.9	61.0-143			5.98	20
Benzene	0.0250	0.0266	0.0231	106	92.4	71.0-124			14.1	20
Bromobenzene	0.0250	0.0238	0.0218	95.2	87.2	78.0-120			8.82	20
Bromodichloromethane	0.0250	0.0236	0.0212	94.3	84.6	75.0-120			10.8	20
Bromochloromethane	0.0250	0.0265	0.0227	106	90.8	80.0-121			15.6	20
Bromoform	0.0250	0.0228	0.0213	91.2	85.3	65.0-133			6.67	20
Bromomethane	0.0250	0.0288	0.0241	115	96.2	26.0-160			18.0	20
n-Butylbenzene	0.0250	0.0283	0.0261	113	104	73.0-126			7.98	20
sec-Butylbenzene	0.0250	0.0271	0.0249	108	99.7	75.0-121			8.25	20
tert-Butylbenzene	0.0250	0.0271	0.0246	108	98.6	74.0-122			9.49	20
Carbon disulfide	0.0250	0.0324	0.0265	130	106	53.0-130			19.8	20
Carbon tetrachloride	0.0250	0.0272	0.0232	109	92.8	66.0-123			15.8	20
Chlorobenzene	0.0250	0.0265	0.0242	106	96.7	79.0-121			9.04	20
Chlorodibromomethane	0.0250	0.0226	0.0220	90.5	88.1	74.0-128			2.69	20
Chloroethane	0.0250	0.0260	0.0217	104	86.7	51.0-147			18.0	20
Chloroform	0.0250	0.0269	0.0228	108	91.1	73.0-123			16.6	20
Chloromethane	0.0250	0.0248	0.0209	99.3	83.6	51.0-138			17.2	20
2-Chlorotoluene	0.0250	0.0266	0.0244	106	97.6	72.0-124			8.67	20
4-Chlorotoluene	0.0250	0.0249	0.0230	99.7	92.0	78.0-120			8.03	20
1,2-Dibromo-3-Chloropropane	0.0250	0.0203	0.0206	81.3	82.5	65.0-126			1.46	20
1,2-Dibromoethane	0.0250	0.0228	0.0211	91.3	84.3	78.0-122			7.93	20
Dibromomethane	0.0250	0.0247	0.0228	98.9	91.2	79.0-120			8.17	20
1,2-Dichlorobenzene	0.0250	0.0259	0.0248	104	99.3	80.0-120			4.19	20
1,3-Dichlorobenzene	0.0250	0.0275	0.0253	110	101	72.0-123			8.19	20
1,4-Dichlorobenzene	0.0250	0.0259	0.0245	104	98.1	77.0-120			5.61	20
trans-1,4-Dichloro-2-butene	0.0250	0.0191	0.0187	76.3	75.0	68.0-126			1.77	20
Dichlorodifluoromethane	0.0250	0.0315	0.0258	126	103	49.0-155			19.7	20
1,1-Dichloroethane	0.0250	0.0256	0.0219	102	87.6	70.0-128			15.6	20
1,2-Dichloroethane	0.0250	0.0246	0.0217	98.3	86.8	69.0-128			12.5	20
1,1-Dichloroethene	0.0250	0.0312	0.0255	125	102	63.0-131			19.9	20
cis-1,2-Dichloroethene	0.0250	0.0273	0.0229	109	91.6	74.0-123			17.4	20
trans-1,2-Dichloroethene	0.0250	0.0279	0.0232	112	92.7	72.0-122			18.4	20
1,2-Dichloropropane	0.0250	0.0231	0.0213	92.5	85.0	75.0-126			8.47	20
1,1-Dichloropropene	0.0250	0.0284	0.0239	114	95.5	72.0-130			17.5	20
1,3-Dichloropropane	0.0250	0.0243	0.0238	97.0	95.2	80.0-121			1.90	20
cis-1,3-Dichloropropene	0.0250	0.0231	0.0218	92.3	87.3	80.0-125			5.60	20
trans-1,3-Dichloropropene	0.0250	0.0220	0.0215	88.0	86.0	75.0-129			2.28	20
2,2-Dichloropropane	0.0250	0.0271	0.0236	108	94.3	60.0-129			13.9	20
Di-isopropyl ether	0.0250	0.0277	0.0239	111	95.6	62.0-133			14.9	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3295172-1 03/17/18 12:31 • (LCSD) R3295172-2 03/17/18 12:52

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Ethylbenzene	0.0250	0.0259	0.0240	104	96.1	77.0-120			7.53	20
Hexachloro-1,3-butadiene	0.0250	0.0277	0.0259	111	103	68.0-128			6.78	20
2-Hexanone	0.125	0.0931	0.0960	74.5	76.8	61.0-143			3.03	20
n-Hexane	0.0250	0.0229	0.0198	91.6	79.2	57.0-125			14.6	20
Iodomethane	0.125	0.166	0.138	133	110	67.0-132	J4		18.7	20
Isopropylbenzene	0.0250	0.0262	0.0235	105	94.0	75.0-120			10.7	20
p-Isopropyltoluene	0.0250	0.0274	0.0253	109	101	74.0-125			8.00	20
2-Butanone (MEK)	0.125	0.122	0.126	97.7	101	37.0-159			3.23	20
Methylene Chloride	0.0250	0.0245	0.0205	97.9	81.9	67.0-123			17.8	20
4-Methyl-2-pentanone (MIBK)	0.125	0.122	0.124	97.4	99.3	60.0-144			1.91	20
Methyl tert-butyl ether	0.0250	0.0250	0.0224	100	89.6	66.0-125			11.1	20
Naphthalene	0.0250	0.0239	0.0231	95.7	92.4	64.0-125			3.51	20
n-Propylbenzene	0.0250	0.0271	0.0247	108	98.6	78.0-120			9.48	20
Styrene	0.0250	0.0248	0.0229	99.1	91.7	78.0-124			7.76	20
1,1,1,2-Tetrachloroethane	0.0250	0.0258	0.0233	103	93.2	74.0-124			10.3	20
1,1,2,2-Tetrachloroethane	0.0250	0.0225	0.0217	90.1	86.7	73.0-120			3.86	20
Tetrachloroethene	0.0250	0.0236	0.0213	94.4	85.3	70.0-127			10.2	20
Toluene	0.0250	0.0239	0.0221	95.4	88.4	77.0-120			7.64	20
1,1,2-Trichlorotrifluoroethane	0.0250	0.0341	0.0286	136	114	64.0-135	J4		17.5	20
1,2,3-Trichlorobenzene	0.0250	0.0276	0.0265	110	106	68.0-126			4.18	20
1,2,4-Trichlorobenzene	0.0250	0.0281	0.0266	112	106	70.0-127			5.55	20
1,1,1-Trichloroethane	0.0250	0.0294	0.0246	117	98.4	69.0-125			17.6	20
1,1,2-Trichloroethane	0.0250	0.0216	0.0206	86.6	82.3	78.0-120			5.09	20
Trichloroethene	0.0250	0.0281	0.0243	112	97.1	79.0-120			14.7	20
Trichlorofluoromethane	0.0250	0.0312	0.0260	125	104	59.0-136			18.5	20
1,2,3-Trichloropropane	0.0250	0.0231	0.0216	92.3	86.3	73.0-124			6.75	20
1,2,3-Trimethylbenzene	0.0250	0.0249	0.0228	99.5	91.3	76.0-120			8.60	20
1,2,4-Trimethylbenzene	0.0250	0.0260	0.0242	104	96.8	75.0-120			7.16	20
1,3,5-Trimethylbenzene	0.0250	0.0271	0.0250	109	100	75.0-120			8.18	20
Vinyl acetate	0.125	0.157	0.140	126	112	58.0-156			11.2	20
Vinyl chloride	0.0250	0.0234	0.0194	93.6	77.8	63.0-134			18.5	20
Xylenes, Total	0.0750	0.0758	0.0687	101	91.6	77.0-120			9.83	20
(S) Toluene-d8				*100*	*103*	*80.0-120*				
(S) Dibromofluoromethane				*107*	*100*	*74.0-131*				
(S) 4-Bromofluorobenzene				*97.3*	*94.7*	*64.0-132*				

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Abbreviations and Definitions

(dry)	Results are reported based on the dry weight of the sample. [this will only be present on a dry report basis for soils].
MDL	Method Detection Limit.
MDL (dry)	Method Detection Limit.
RDL	Reported Detection Limit.
RDL (dry)	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
E	The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL).
J	The identification of the analyte is acceptable; the reported value is an estimate.
J0	J0: Calibration verification outside of acceptance limits. Result is estimated.
J1	Surrogate recovery limits have been exceeded; values are outside upper control limits.
J3	The associated batch QC was outside the established quality control range for precision.
J4	The associated batch QC was outside the established quality control range for accuracy.
V3	The internal standard exhibited poor recovery due to sample matrix interference. The analytical results will be biased high. BDL results will be unaffected.

ACCREDITATIONS & LOCATIONS

ESC Lab Sciences is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our one location design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be YOUR LAB OF CHOICE.

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by ESC Lab Sciences.

State Accreditations

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN-03-2002-34
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	n/a
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO00356
Kentucky [1 6]	90010	South Carolina	84004
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana [1]	LA180010	Texas	T 104704245-17-14
Maine	TN0002	Texas [5]	LAB0152
Maryland	324	Utah	TN00003
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	460132
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	9980939910
Montana	CERT0086	Wyoming	A2LA

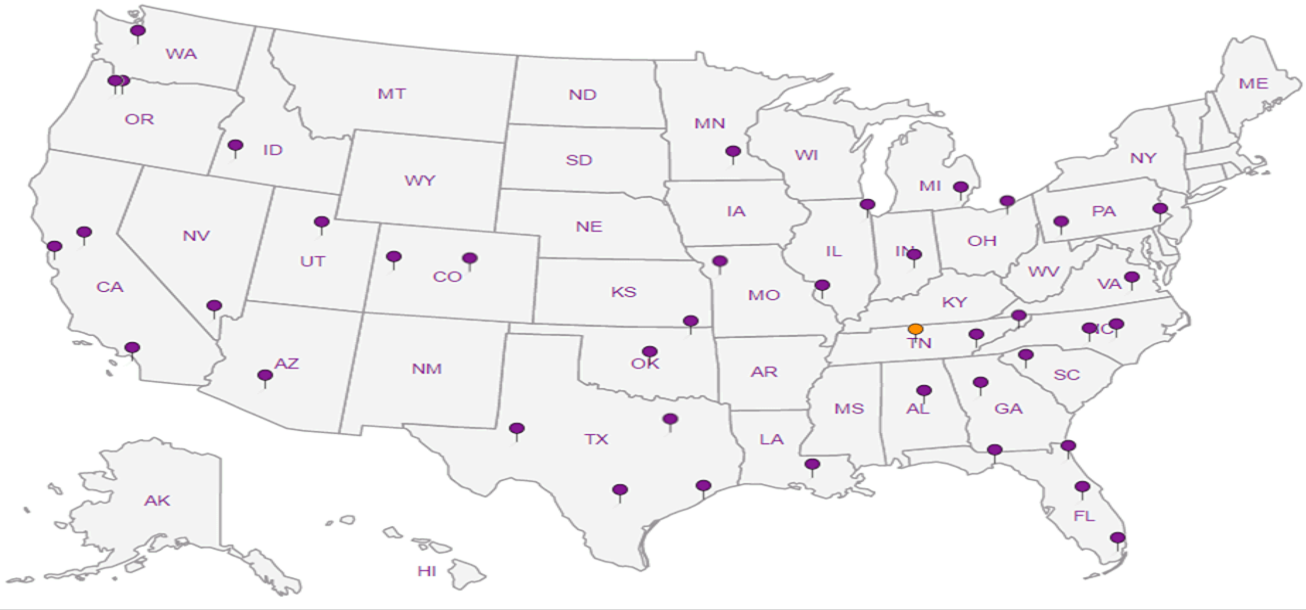
Third Party Federal Accreditations

A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

Our Locations

ESC Lab Sciences has sixty-four client support centers that provide sample pickup and/or the delivery of sampling supplies. If you would like assistance from one of our support offices, please contact our main office. ESC Lab Sciences performs all testing at our central laboratory.



PES Environmental, Inc.- WA

1215 Fourth Ave., Suite 1350
Seattle, WA 98161

Billing Information:
Attn: Accounts Payable
1215 Fourth Ave., Ste. 1350
Seattle, WA 98161

Pres Chk

Analysis / Container / Preservative

Chain of Custody Page 1 of 3

ESC
LAB SCIENCES

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

Report to: Bill Haldeman / Brian O'Neal

Email To: bhaldeman@pesenv.com boneal@pesenv.com

Project Description: American Linen Supply Project

City/State Collected: Seattle WA

Phone: 206-529-3980
Fax: 206-529-3985

Client Project # 1413.001.05.304

Lab Project # PESENVSWA-ALP

L# 977743
G114

Acctnum: PESENVSWA
Template: T133573
Prelogin: P643474
TSR: 110 - Brian Ford
PB:
Shipped Via:

Collected by (print): Rachel McLaughlin

Site/Facility ID #

P.O. #

Collected by (signature): R T McLaughlin

Immediately Packed on Ice N ____ Y X

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260C VOCs 40ml/NaHS04/Syr/MeOH	dry wt,voc screen 2ozClr-NoPres									Remarks	Sample # (lab only)
IW-39B-5	Grab	SS	5	3/12/18	1208	5	X	X										-01
IW-39B-15		SS	15		1228	5	X	X										-02
IW-39B-25		SS	25		1335	5	X	X										-03
IW-39B-35		SS	35		1352	5	X	X										-04
IW-39B-45		SS	45		1405	5	X	X										-05
IW-39B-55		SS	55		1438	5	X	X										-06
MW-152-5		SS	5	3-13-18	0916	5	X	X										-07
MW-152-15		SS	15		0935	5	X	X										-08
MW-152-25		SS	25		0950	5	X	X										-09
MW-152-35		SS	35		1007	5	X	X										-10

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other________

Remarks:

pH ______ Temp ______

Flow ______ Other ______

Samples returned via:
__ UPS __ FedEx __ Courier ______

Tracking # 4196 3259 2418

Sample Receipt Checklist
COC Seal Present/Intact: [✓ NP] _Y _N
COC Signed/Accurate: [✓ Y] _N
Bottles arrive intact: [✓ Y] _N
Correct bottles used: [✓ Y] _N
Sufficient volume sent: [✓ Y] _N
If Applicable
VOA Zero Headspace: _Y _N
Preservation Correct/Checked: _Y _N

Relinquished by : (Signature) R T McLaughlin	Date: 3/14/18	Time: 1640	Received by: (Signature)	Trip Blank Received: [✓ Yes] / No HCL / MeoH TBR	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 1.2 °C Bottles Received: 145+8	If preservation required by Login: Date/Time
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 3.15.18 Time: 945	Hold: Condition: NCF / [✓ OK]

PES Environmental, Inc.- WA

1215 Fourth Ave., Suite 1350
Seattle, WA 98161

Billing Information:
Attn: Accounts Payable
1215 Fourth Ave., Ste. 1350
Seattle, WA 98161

Pres Chk

Chain of Custody Page 2 of 3

ESC
LAB SCIENCES

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

Report to: Bill Haldeman /Brian ONeal

Email To: bhaldeman@pesenv.com BONEAL@PESENV.COM

Project Description: American Linen Supply Project

City/State Collected: SEATTLE, WA

Phone: 206-529-3980
Fax: 206-529-3985

Client Project # 1413.001.05.304

Lab Project # PESENVSWA-ALP

L# 977743

Table #

Acctnum: PESENVSWA
Template: T133573
Prelogin: P643474
TSR: 110 - Brian Ford
PB:

Shipped Via:

Collected by (print): Rachel McLaughlin

Site/Facility ID #

P.O. #

Collected by (signature): R. McLaughl

Immediately Packed on Ice N ___ Y X

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260C VOCs 40ml/NaHS04/Syr/MeOH	dry wt,voc screen 2ozClr-NoPres	Remarks	Sample # (lab only)
MW-152-45	Grab	SS	45'	3-13-18	1025	5	X	X		-11
MW-152-55		SS	55'		1050	5	X	X		-12
MW-152-60		SS	60'		1115	5	X	X		-13
IW-8C-5		SS	5'	3-14-18	0900	5	X	X		-14
IW-8C-10		SS	10'		0905	5	X	X		-15
IW-8C-15		SS	15'		0915	5	X	X		-16
IW-8C-20		SS	20'		0930	5	X	X		-17
IW-8C-25		SS	25'		0947	5	X	X		-18
IW-8C-30		SS	30'		0950	5	X	X		-19
IW-8C-35		SS	35'		0955	5	X	X		-20

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other ________

Remarks:

pH ______ Temp ______
Flow ______ Other ______

Samples returned via:
__ UPS __ FedEx __ Courier ______

Tracking # 4196 3259 2418

Sample Receipt Checklist
COC Seal Present/Intact: ~~NP~~ __Y __N
COC Signed/Accurate: ✓Y __N
Bottles arrive intact: ✓Y __N
Correct bottles used: ✓Y __N
Sufficient volume sent: ✓Y __N
If Applicable
VOA Zero Headspace: __Y __N
Preservation Correct/Checked: __Y __N

Relinquished by : (Signature) R McLaughl | Date: 3/14/18 | Time: 1640 | Received by: (Signature)

Trip Blank Received: [✓ Yes] / No
[✓ HCL] / MeoH
TBR

Relinquished by : (Signature) | Date: | Time: | Received by: (Signature)

Temp: 1.2 KM °C Bottles Received: 145+TB

If preservation required by Login: Date/Time

Relinquished by : (Signature) | Date: | Time: | Received for lab by: (Signature) B. Str

Date: 3.15.18 Time: 845

Hold:

Condition: NCF / [✓ OK]

PES Environmental, Inc.- WA

1215 Fourth Ave., Suite 1350
Seattle, WA 98161

Billing Information:
Attn: Accounts Payable
1215 Fourth Ave., Ste. 1350
Seattle, WA 98161

Pres Chk

Chain of Custody Page 3 of 3

ESC LAB SCIENCES

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

Report to: **Bill Haldeman** / Brian ONeal

Email To: **bhaldeman@pesenv.com** BONEAL@PESENV.COM

Project Description: **American Linen Supply Project**

City/State Collected: SEATTLE, WA

Phone: **206-529-3980**
Fax: **206-529-3985**

Client Project # **1413.001.05.304**

Lab Project # **PESENVSWA-ALP**

L# 977743

Table #

Collected by (print): Rachel McLaughlin

Site/Facility ID #

P.O. #

Acctnum: **PESENVSWA**
Template: **T133573**
Prelogin: **P643474**
TSR: **110 - Brian Ford**
PB:

Collected by (signature): R. McLaughlin

Immediately Packed on Ice N ___ Y X

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Shipped Via:

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260C VOCs 40ml/NaHS04/Syr/MeOH	dry wt,voc screen 2ozClr-NoPres									Remarks	Sample # (lab only)
IW-8C-40	Grab	SS	40'	3-14-18	1008	5	X	X										-21
IW-8C-45		SS	45'		1020	5	X	X										-22
IW-8C-50		SS	50'		1030	5	X	X										-23
IW-8C-55		SS	55'		1040	5	X	X										-24
IW-8C-60		SS	60'		1050	5	X	X										-25
IW-8C-65		SS	65'		1105	5	X	X										-26
IW-8C-70		SS	70'		1120	5	X	X										-27
IW-8C-75		SS	75'		1130	5	X	X										-28
IW-902-60		SS	60'		1430	5	X	X										-29
TRIP BLANK		SS	—	09-11-17	—	5	X	X										-30

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_________

Remarks:

pH _______ Temp _______
Flow _______ Other _______

Sample Receipt Checklist
COC Seal Present/Intact: ✓ NP __Y __N
COC Signed/Accurate: [✓ Y] __N
Bottles arrive intact: [✓ Y] __N
Correct bottles used: [✓ Y] __N
Sufficient volume sent: [✓ Y] __N
If Applicable
VOA Zero Headspace: __Y __N
Preservation Correct/Checked: __Y __N

Samples returned via:
__UPS __FedEx __Courier ________

Tracking # 4196 3259 2418

Relinquished by : (Signature) R.T. McLaughlin	Date: 3/14/18	Time: 1640	Received by: (Signature)	Trip Blank Received: [✓ Yes] / No [✓ HCL] / MeoH TBR
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 1.2 °C Bottles Received: 145+TB
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 3.15.18 Time: 825

If preservation required by Login: Date/Time

Hold:

Condition: NCF / [✓ OK]

MEMORANDUM

TO: Project File **DATE:** April 12, 2018

FROM: Jessie Compeau

SUBJECT: Laboratory Data Validation Review

PROJECT: Former American Linen Supply Site, Seattle WA

PROJECT #: 1413.001.05.304

TASK: March 12-14, 2018 – Soil Samples

LAB: ESC Lab ID L977743

Twenty nine (29) soil samples including a field duplicate, and one trip blank were collected as part of a sampling event at the Former American Linen Supply Site, in Seattle, Washington, on March 12-14, 2018. The samples were shipped and delivered to ESC Lab Sciences (ESC) of Mount Juliet, TN for laboratory analysis. Selected samples were analyzed for the following:

- Volatile organic compounds (VOCs) by United States Environmental Protection Agency (USEPA) Method 8260C; and
- Total Solids by Standard Methods 2540 G-2011.

The results are reported in ESC Sample Delivery Group (SDG) L977743. The sampling event occurred between March 2 and March 27 of 2018. Associated sample data are reported in ten ESC SDGs (SDGs L975879, L977245, L977743, L979219, L979234, L980300, L980719, L980722, L980954, and L980958). The quality assurance review of the sample data associated with SDG L977743 is summarized below.

DATA QUALIFICATIONS

Guidelines established by USEPA for a limited data validation review of analytical data along with ESC control limit criteria were used to validate the data. The comments presented in this memorandum refer to the laboratory's performance in meeting the quality control criteria outlined in the USEPA Contract Laboratory Program National Functional Guidelines for Organic Superfund Methods Data Review (USEPA, 2017).

DATA VALIDATION

Completeness

All samples were collected and analyzed as requested.

Sample Collection and Preservation

Samples were collected in laboratory-supplied sample containers preserved as appropriate for the individual analyses conducted. The samples were packed on ice and shipped by courier to ESC.

The laboratory reported that the cooler and samples were received at 1.2 degrees Centigrade (°C) and below the recommended temperature preservation of 6°C. The laboratory indicated that the samples were received in good condition. No data were qualified based upon the sample collection and preservation information.

Holding Times

USEPA Method 8260C:
All samples were analyzed for VOCs within the USEPA recommended holding time of fourteen days for soils and waters from the date of sample collection. All holding time criteria were met.

Total Solids by SM 2540 G 2011:
Samples were analyzed within the USEPA recommended holding time of seven days for total solids with the following exceptions:

- Soil samples collected on March 12, 2018 were analyzed one day past the recommended holding time. No action is taken since % solid results are not expected to be significantly changed thus final reported results are not significantly impacted.

Initial and Continuing Calibration

Calibration data for this project are not required for this deliverable however ESC's notes indicate the following:

- *USEPA Method 8260C:* Continuing calibration verification (CCV) issues were noted by ESC for acetone, bromomethane, chloromethane, dichlorodifluoromethane, 1,1-dichloroethane, 2,2-dichloropropane, n-hexane, and 2-butanone (MEK) associated with soil analytical batch WG1085804 (analyzed on March 22, 2018). These results are qualified by the laboratory "J0" to indicate that percent difference CCVs are outside of laboratory acceptance criteria. **Associated sample results with laboratory qualified (J0) results are estimated and qualified (UJ).**

- *USEPA Method 8260C:* Continuing calibration verification (CCV) issues were noted by ESC for trans-1,4-dchloro-2-butene and trichlorofluoromethane associated with soil analytical batch WG1085897 (analyzed on March 17, 2018). These results are qualified by the laboratory "J0" to indicate that percent difference CCVs are outside of laboratory acceptance criteria. **Associated sample with laboratory qualified (J0) results are estimated and qualified (UJ).**

- *USEPA Method 8260C:* Soil sample IW-8C-45 target compound vinyl chloride was qualified by the laboratory (E) to indicate that the analyte concentration was higher than the initial calibration concentration range. ESC opted to report the result because it is not detected at a higher dilution. **Vinyl chloride result for sample IW-8C-45 is estimated and qualified (J).**

Method Blank Results

USEPA Method 8260C:
Laboratory method blanks were included with the analytical batch per method requirement. The target analytes (VOCs) were not detected in the method blanks at or above the reported detection limits (RDLs).

Total Solids by SM 2540 G 2011:
Laboratory method blanks were included with the analytical batches per method requirement. The target analytes (% solids) were not detected at a significant level in the method blanks and sample results are not impacted.

Trip Blank Results

USEPA Method 8260C:
A trip blank was collected and analyzed. The target analytes (VOCs) were not detected in the trip blank at or above the RDLs.

Field, Rinsate, or Equipment Blank Results

Field, rinsate, or equipment blanks were not collected.

Field Duplicate Analyses

Field duplicate (samples IW-8C-60 and IW-902-60) results are comparable and within 30% RPD (for results >5X the RDL) with the following exceptions:

- **Field duplicate RPD is greater than 30% for cis-1,2-dichloroethene, tetrachloroethene, trichloroethene, and vinyl chloride. These results are estimated, and qualified (J) due to poor field precision.**

Laboratory Duplicate Analyses

USEPA Method 8260C:
A laboratory duplicate sample was not analyzed. Refer to laboratory control sample/sample duplicate (LCS/LCSD) or matrix spike/matrix spike duplicates (MS/MSDs) results for precision data.

Total Solids by SM 2540 G 2011:
Laboratory duplicate sample analyses were performed on client samples IW-39B-35, MW-152-35, IW-8C-55, and on a non-client sample within one of the analytical batches. The primary/duplicate RPDs for total solids analyses are within the laboratory control limit of 5%.

Surrogate Recoveries

USEPA Method 8260C:
The surrogate recovery results for the samples, LCS/LCSDs, and the method blanks are within the laboratory surrogate control limits for all of the analyses with the following exceptions:

- Soil (analytical batch WG1085897): Surrogate (toluene-d8) recoveries (March 17, 2017) were above laboratory acceptance criteria for samples IW-8C-50 and IW-8C-55. The samples were reanalyzed at a dilution and selected results from the reanalysis are reported. **All detections for samples IW-8C-50 and IW-8C-55 from the March 17, 2018 analysis date are estimated and qualified (J) due to elevated surrogate recovery.** Refer to the section on Other Quality Control Issues for further discussion.

Laboratory Control Samples

USEPA Method 8260C:
LCS/LCSD was analyzed by USEPA Method 8260C method. The LCS/LCSD %Rs and RPDs for the all target compounds are within the laboratory control criteria for soils and waters with the following exceptions:

- Soil LCS/LCSD (analytical batch WG1085804): RPD value for spike compound (trans-1,4-dichloro-2-butene) is above laboratory acceptance criteria and qualified (J3) by the laboratory. No action is taken as LCS/LCSD percent recovery results are recovered wide but recoveries are within control limits.

- Soil LCS (analytical batch WG1085897): Recoveries or spike compound (iodomethane and 1,1,2-trichlorotrifluoroethane) were slightly above laboratory acceptance criteria and qualified by the laboratory (J4). No action was taken on this basis since neither of these compounds was detected in the associated samples.

Total Solids by SM 2540 G 2011:
The LCS %Rs for total solids are within the laboratory control criteria for soils.

Matrix Spike/Matrix Spike Duplicates

USEPA Method 8260C:
Matrix spike/matrix spike duplicate (MS/MSD) analyses were not performed. Refer to LCS/LCSD results for precision and accuracy data.

Other Quality Control Issues

No laboratory quality control issues were identified in the laboratory report with the following exceptions:

- Soil (analytical batch WG1085897): Internal standard recoveries (March 17, 2017) were <u>above</u> laboratory acceptance criteria for sample IW-8C-5 due to matrix interferences. ESC qualified associated naphthalene and 1,2,4-trimethylbenzene results (V3) to indicate poor internal standard recovery. **All detected results (March 17, 2017) for sample IW-8C-5 and are estimated with high bias and qualified (J+) due to poor internal standard recoveries.**

- Soil (analytical batch WG1085897): Internal standard recoveries (March 17, 2017) were above laboratory acceptance criteria for samples IW-8C-50 and IW-8C-55 due to matrix interferences. ESC qualified associated ethylbenzene, toluene, total xylenes, and 1,2,4-trimethylbenzene results (V3) to indicate poor internal standard recovery. **All detected results (March 17, 2017) for samples IW-8C-50 and IW-8C-55 are estimated with high bias and qualified (J+).** Refer to the section on Surrogate Recoveries for further discussion.

Compound Identification and Quantitation Limits

The RDLs used for this sample group are acceptable for the project. Several samples were diluted due to elevated concentrations of various target analytes. ESC sample narrative notes indicate that soil sample IW-39B-55 *non-target* compounds were too high to run the sample at a lower dilution.

Detections between the MDL and RDL are estimated (J) by the laboratory and qualified (J) by the data validator to re-emphasize that the detection is estimated.

Data Assessment

The laboratory data reported for this project were reviewed based on laboratory control limit acceptance criteria and criteria outlined in:

- USEPA Contract Laboratory Program National Functional Guidelines for Organic Superfund Methods Data Review (USEPA, 2017).

Data qualifiers were assigned and laboratory report pages with qualifiers are attached. All data, including qualified data, are judged to be acceptable for their intended use.

IW-39B-5

Collected date/time: 03/12/18 12:08

SAMPLE RESULTS - 01

L977743

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	78.8		1	03/20/2018 11:04	WG1086424

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.0189	J J	0.0127	0.0635	1	03/16/2018 23:48	WG1085804
Acrylonitrile	U		0.00227	0.0127	1	03/16/2018 23:48	WG1085804
Benzene	U		0.000343	0.00127	1	03/16/2018 23:48	WG1085804
Bromobenzene	U		0.000361	0.00127	1	03/16/2018 23:48	WG1085804
Bromodichloromethane	U		0.000323	0.00127	1	03/16/2018 23:48	WG1085804
Bromochloromethane	U		0.000495	0.00635	1	03/16/2018 23:48	WG1085804
Bromoform	U		0.000538	0.00127	1	03/16/2018 23:48	WG1085804
Bromomethane	U		0.00170	0.00635	1	03/16/2018 23:48	WG1085804
n-Butylbenzene	U		0.000328	0.00127	1	03/16/2018 23:48	WG1085804
sec-Butylbenzene	U		0.000255	0.00127	1	03/16/2018 23:48	WG1085804
tert-Butylbenzene	U		0.000262	0.00127	1	03/16/2018 23:48	WG1085804
Carbon disulfide	0.00335		0.000281	0.00127	1	03/16/2018 23:48	WG1085804
Carbon tetrachloride	U		0.000416	0.00127	1	03/16/2018 23:48	WG1085804
Chlorobenzene	U		0.000269	0.00127	1	03/16/2018 23:48	WG1085804
Chlorodibromomethane	U		0.000474	0.00127	1	03/16/2018 23:48	WG1085804
Chloroethane	U		0.00120	0.00635	1	03/16/2018 23:48	WG1085804
Chloroform	U		0.000291	0.00635	1	03/16/2018 23:48	WG1085804
Chloromethane	U		0.000476	0.00317	1	03/16/2018 23:48	WG1085804
2-Chlorotoluene	U		0.000382	0.00127	1	03/16/2018 23:48	WG1085804
4-Chlorotoluene	U		0.000305	0.00127	1	03/16/2018 23:48	WG1085804
1,2-Dibromo-3-Chloropropane	U		0.00133	0.00635	1	03/16/2018 23:48	WG1085804
1,2-Dibromoethane	U		0.000436	0.00127	1	03/16/2018 23:48	WG1085804
Dibromomethane	U		0.000485	0.00127	1	03/16/2018 23:48	WG1085804
1,2-Dichlorobenzene	U		0.000387	0.00127	1	03/16/2018 23:48	WG1085804
1,3-Dichlorobenzene	U		0.000303	0.00127	1	03/16/2018 23:48	WG1085804
1,4-Dichlorobenzene	U		0.000287	0.00127	1	03/16/2018 23:48	WG1085804
Dichlorodifluoromethane	U		0.000905	0.00635	1	03/16/2018 23:48	WG1085804
1,1-Dichloroethane	U		0.000253	0.00127	1	03/16/2018 23:48	WG1085804
1,2-Dichloroethane	U		0.000336	0.00127	1	03/16/2018 23:48	WG1085804
1,1-Dichloroethene	U		0.000385	0.00127	1	03/16/2018 23:48	WG1085804
cis-1,2-Dichloroethene	0.0227		0.000298	0.00127	1	03/16/2018 23:48	WG1085804
trans-1,2-Dichloroethene	0.000423	J J	0.000335	0.00127	1	03/16/2018 23:48	WG1085804
1,2-Dichloropropane	U		0.000455	0.00127	1	03/16/2018 23:48	WG1085804
1,1-Dichloropropene	U		0.000403	0.00127	1	03/16/2018 23:48	WG1085804
1,3-Dichloropropane	U		0.000263	0.00127	1	03/16/2018 23:48	WG1085804
cis-1,3-Dichloropropene	U		0.000333	0.00127	1	03/16/2018 23:48	WG1085804
trans-1,3-Dichloropropene	U		0.000339	0.00127	1	03/16/2018 23:48	WG1085804
trans-1,4-Dichloro-2-butene	U	J3	0.000988	0.00317	1	03/16/2018 23:48	WG1085804
2,2-Dichloropropane	U		0.000354	0.00127	1	03/16/2018 23:48	WG1085804
Di-isopropyl ether	U		0.000315	0.00127	1	03/16/2018 23:48	WG1085804
Ethylbenzene	U		0.000377	0.00127	1	03/16/2018 23:48	WG1085804
Hexachloro-1,3-butadiene	U		0.000434	0.00127	1	03/16/2018 23:48	WG1085804
2-Hexanone	U		0.00174	0.0127	1	03/16/2018 23:48	WG1085804
n-Hexane	U		0.000368	0.0127	1	03/16/2018 23:48	WG1085804
Iodomethane	U		0.00321	0.0127	1	03/16/2018 23:48	WG1085804
Isopropylbenzene	U		0.000309	0.00127	1	03/16/2018 23:48	WG1085804
p-Isopropyltoluene	U		0.000259	0.00127	1	03/16/2018 23:48	WG1085804
2-Butanone (MEK)	U		0.00594	0.0127	1	03/16/2018 23:48	WG1085804
Methylene Chloride	U		0.00127	0.00635	1	03/16/2018 23:48	WG1085804
4-Methyl-2-pentanone (MIBK)	U		0.00239	0.0127	1	03/16/2018 23:48	WG1085804

JC 4/12/18

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000269	0.00127	1	03/16/2018 23:48	WG1085804
Naphthalene	U		0.00127	0.00635	1	03/16/2018 23:48	WG1085804
n-Propylbenzene	U		0.000262	0.00127	1	03/16/2018 23:48	WG1085804
Styrene	U		0.000297	0.00127	1	03/16/2018 23:48	WG1085804
1,1,1,2-Tetrachloroethane	U		0.000335	0.00127	1	03/16/2018 23:48	WG1085804
1,1,2,2-Tetrachloroethane	U		0.000463	0.00127	1	03/16/2018 23:48	WG1085804
1,1,2-Trichlorotrifluoroethane	U		0.000463	0.00127	1	03/16/2018 23:48	WG1085804
Tetrachloroethene	0.0961		0.000350	0.00127	1	03/16/2018 23:48	WG1085804
Toluene	U		0.000551	0.00635	1	03/16/2018 23:48	WG1085804
1,2,3-Trichlorobenzene	U		0.000389	0.00127	1	03/16/2018 23:48	WG1085804
1,2,4-Trichlorobenzene	U		0.000493	0.00127	1	03/16/2018 23:48	WG1085804
1,1,1-Trichloroethane	U		0.000363	0.00127	1	03/16/2018 23:48	WG1085804
1,1,2-Trichloroethane	U		0.000352	0.00127	1	03/16/2018 23:48	WG1085804
Trichloroethene	0.00856		0.000354	0.00127	1	03/16/2018 23:48	WG1085804
Trichlorofluoromethane	U		0.000485	0.00635	1	03/16/2018 23:48	WG1085804
1,2,3-Trichloropropane	U		0.000941	0.00317	1	03/16/2018 23:48	WG1085804
1,2,4-Trimethylbenzene	U		0.000268	0.00127	1	03/16/2018 23:48	WG1085804
1,2,3-Trimethylbenzene	U		0.000364	0.00127	1	03/16/2018 23:48	WG1085804
1,3,5-Trimethylbenzene	U		0.000338	0.00127	1	03/16/2018 23:48	WG1085804
Vinyl acetate	U		0.00303	0.0127	1	03/16/2018 23:48	WG1085804
Vinyl chloride	U		0.000370	0.00127	1	03/16/2018 23:48	WG1085804
Xylenes, Total	U		0.000886	0.00381	1	03/16/2018 23:48	WG1085804
(S) Toluene-d8	*94.5*			*80.0-120*		*03/16/2018 23:48*	WG1085804
(S) Dibromofluoromethane	*111*			*74.0-131*		*03/16/2018 23:48*	WG1085804
(S) 4-Bromofluorobenzene	*99.9*			*64.0-132*		*03/16/2018 23:48*	WG1085804

JC 4/12/18

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	89.7		1	03/20/2018 11:04	WG1086424

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0111	0.0557	1	03/17/2018 00:08	WG1085804
Acrylonitrile	U		0.00199	0.0111	1	03/17/2018 00:08	WG1085804
Benzene	U		0.000301	0.00111	1	03/17/2018 00:08	WG1085804
Bromobenzene	U		0.000316	0.00111	1	03/17/2018 00:08	WG1085804
Bromodichloromethane	U		0.000283	0.00111	1	03/17/2018 00:08	WG1085804
Bromochloromethane	U		0.000435	0.00557	1	03/17/2018 00:08	WG1085804
Bromoform	U		0.000473	0.00111	1	03/17/2018 00:08	WG1085804
Bromomethane	U		0.00149	0.00557	1	03/17/2018 00:08	WG1085804
n-Butylbenzene	U		0.000288	0.00111	1	03/17/2018 00:08	WG1085804
sec-Butylbenzene	U		0.000224	0.00111	1	03/17/2018 00:08	WG1085804
tert-Butylbenzene	U		0.000230	0.00111	1	03/17/2018 00:08	WG1085804
Carbon disulfide	U		0.000246	0.00111	1	03/17/2018 00:08	WG1085804
Carbon tetrachloride	U		0.000366	0.00111	1	03/17/2018 00:08	WG1085804
Chlorobenzene	U		0.000236	0.00111	1	03/17/2018 00:08	WG1085804
Chlorodibromomethane	U		0.000416	0.00111	1	03/17/2018 00:08	WG1085804
Chloroethane	U		0.00105	0.00557	1	03/17/2018 00:08	WG1085804
Chloroform	U		0.000255	0.00557	1	03/17/2018 00:08	WG1085804
Chloromethane	U		0.000418	0.00279	1	03/17/2018 00:08	WG1085804
2-Chlorotoluene	U		0.000335	0.00111	1	03/17/2018 00:08	WG1085804
4-Chlorotoluene	U		0.000267	0.00111	1	03/17/2018 00:08	WG1085804
1,2-Dibromo-3-Chloropropane	U		0.00117	0.00557	1	03/17/2018 00:08	WG1085804
1,2-Dibromoethane	U		0.000382	0.00111	1	03/17/2018 00:08	WG1085804
Dibromomethane	U		0.000426	0.00111	1	03/17/2018 00:08	WG1085804
1,2-Dichlorobenzene	U		0.000340	0.00111	1	03/17/2018 00:08	WG1085804
1,3-Dichlorobenzene	U		0.000266	0.00111	1	03/17/2018 00:08	WG1085804
1,4-Dichlorobenzene	U		0.000252	0.00111	1	03/17/2018 00:08	WG1085804
Dichlorodifluoromethane	U		0.000795	0.00557	1	03/17/2018 00:08	WG1085804
1,1-Dichloroethane	U		0.000222	0.00111	1	03/17/2018 00:08	WG1085804
1,2-Dichloroethane	U		0.000295	0.00111	1	03/17/2018 00:08	WG1085804
1,1-Dichloroethene	U		0.000338	0.00111	1	03/17/2018 00:08	WG1085804
cis-1,2-Dichloroethene	0.00624		0.000262	0.00111	1	03/17/2018 00:08	WG1085804
trans-1,2-Dichloroethene	U		0.000294	0.00111	1	03/17/2018 00:08	WG1085804
1,2-Dichloropropane	U		0.000399	0.00111	1	03/17/2018 00:08	WG1085804
1,1-Dichloropropene	U		0.000353	0.00111	1	03/17/2018 00:08	WG1085804
1,3-Dichloropropane	U		0.000231	0.00111	1	03/17/2018 00:08	WG1085804
cis-1,3-Dichloropropene	U		0.000292	0.00111	1	03/17/2018 00:08	WG1085804
trans-1,3-Dichloropropene	U		0.000298	0.00111	1	03/17/2018 00:08	WG1085804
trans-1,4-Dichloro-2-butene	U	J3	0.000867	0.00279	1	03/17/2018 00:08	WG1085804
2,2-Dichloropropane	U		0.000311	0.00111	1	03/17/2018 00:08	WG1085804
Di-isopropyl ether	U		0.000276	0.00111	1	03/17/2018 00:08	WG1085804
Ethylbenzene	U		0.000331	0.00111	1	03/17/2018 00:08	WG1085804
Hexachloro-1,3-butadiene	U		0.000381	0.00111	1	03/17/2018 00:08	WG1085804
2-Hexanone	U		0.00153	0.0111	1	03/17/2018 00:08	WG1085804
n-Hexane	U		0.000323	0.0111	1	03/17/2018 00:08	WG1085804
Iodomethane	U		0.00282	0.0111	1	03/17/2018 00:08	WG1085804
Isopropylbenzene	U		0.000271	0.00111	1	03/17/2018 00:08	WG1085804
p-Isopropyltoluene	U		0.000227	0.00111	1	03/17/2018 00:08	WG1085804
2-Butanone (MEK)	U		0.00522	0.0111	1	03/17/2018 00:08	WG1085804
Methylene Chloride	U		0.00111	0.00557	1	03/17/2018 00:08	WG1085804
4-Methyl-2-pentanone (MIBK)	U		0.00210	0.0111	1	03/17/2018 00:08	WG1085804

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000236	0.00111	1	03/17/2018 00:08	WG1085804
Naphthalene	U		0.00111	0.00557	1	03/17/2018 00:08	WG1085804
n-Propylbenzene	U		0.000230	0.00111	1	03/17/2018 00:08	WG1085804
Styrene	U		0.000261	0.00111	1	03/17/2018 00:08	WG1085804
1,1,1,2-Tetrachloroethane	U		0.000294	0.00111	1	03/17/2018 00:08	WG1085804
1,1,2,2-Tetrachloroethane	U		0.000407	0.00111	1	03/17/2018 00:08	WG1085804
1,1,2-Trichlorotrifluoroethane	U		0.000407	0.00111	1	03/17/2018 00:08	WG1085804
Tetrachloroethene	U		0.000308	0.00111	1	03/17/2018 00:08	WG1085804
Toluene	U		0.000484	0.00557	1	03/17/2018 00:08	WG1085804
1,2,3-Trichlorobenzene	U		0.000341	0.00111	1	03/17/2018 00:08	WG1085804
1,2,4-Trichlorobenzene	U		0.000432	0.00111	1	03/17/2018 00:08	WG1085804
1,1,1-Trichloroethane	U		0.000319	0.00111	1	03/17/2018 00:08	WG1085804
1,1,2-Trichloroethane	U		0.000309	0.00111	1	03/17/2018 00:08	WG1085804
Trichloroethene	U		0.000311	0.00111	1	03/17/2018 00:08	WG1085804
Trichlorofluoromethane	U		0.000426	0.00557	1	03/17/2018 00:08	WG1085804
1,2,3-Trichloropropane	U		0.000826	0.00279	1	03/17/2018 00:08	WG1085804
1,2,4-Trimethylbenzene	U		0.000235	0.00111	1	03/17/2018 00:08	WG1085804
1,2,3-Trimethylbenzene	U		0.000320	0.00111	1	03/17/2018 00:08	WG1085804
1,3,5-Trimethylbenzene	U		0.000296	0.00111	1	03/17/2018 00:08	WG1085804
Vinyl acetate	U		0.00266	0.0111	1	03/17/2018 00:08	WG1085804
Vinyl chloride	U		0.000324	0.00111	1	03/17/2018 00:08	WG1085804
Xylenes, Total	U		0.000778	0.00334	1	03/17/2018 00:08	WG1085804
(S) Toluene-d8	*99.5*			*80.0-120*		*03/17/2018 00:08*	WG1085804
(S) Dibromofluoromethane	*106*			*74.0-131*		*03/17/2018 00:08*	WG1085804
(S) 4-Bromofluorobenzene	*95.2*			*64.0-132*		*03/17/2018 00:08*	WG1085804

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IW-39B-25

Collected date/time: 03/12/18 13:35

SAMPLE RESULTS - 03

L977743

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	84.1		1	03/20/2018 11:04	WG1086424

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0119	0.0594	1	03/17/2018 00:28	WG1085804
Acrylonitrile	U		0.00213	0.0119	1	03/17/2018 00:28	WG1085804
Benzene	U		0.000321	0.00119	1	03/17/2018 00:28	WG1085804
Bromobenzene	U		0.000338	0.00119	1	03/17/2018 00:28	WG1085804
Bromodichloromethane	U		0.000302	0.00119	1	03/17/2018 00:28	WG1085804
Bromochloromethane	U		0.000464	0.00594	1	03/17/2018 00:28	WG1085804
Bromoform	U		0.000504	0.00119	1	03/17/2018 00:28	WG1085804
Bromomethane	U		0.00159	0.00594	1	03/17/2018 00:28	WG1085804
n-Butylbenzene	U		0.000307	0.00119	1	03/17/2018 00:28	WG1085804
sec-Butylbenzene	U		0.000239	0.00119	1	03/17/2018 00:28	WG1085804
tert-Butylbenzene	U		0.000245	0.00119	1	03/17/2018 00:28	WG1085804
Carbon disulfide	0.000306	J J	0.000263	0.00119	1	03/17/2018 00:28	WG1085804
Carbon tetrachloride	U		0.000390	0.00119	1	03/17/2018 00:28	WG1085804
Chlorobenzene	U		0.000252	0.00119	1	03/17/2018 00:28	WG1085804
Chlorodibromomethane	U		0.000443	0.00119	1	03/17/2018 00:28	WG1085804
Chloroethane	U		0.00112	0.00594	1	03/17/2018 00:28	WG1085804
Chloroform	U		0.000272	0.00594	1	03/17/2018 00:28	WG1085804
Chloromethane	U		0.000446	0.00297	1	03/17/2018 00:28	WG1085804
2-Chlorotoluene	U		0.000358	0.00119	1	03/17/2018 00:28	WG1085804
4-Chlorotoluene	U		0.000285	0.00119	1	03/17/2018 00:28	WG1085804
1,2-Dibromo-3-Chloropropane	U		0.00125	0.00594	1	03/17/2018 00:28	WG1085804
1,2-Dibromoethane	U		0.000408	0.00119	1	03/17/2018 00:28	WG1085804
Dibromomethane	U		0.000454	0.00119	1	03/17/2018 00:28	WG1085804
1,2-Dichlorobenzene	U		0.000363	0.00119	1	03/17/2018 00:28	WG1085804
1,3-Dichlorobenzene	U		0.000284	0.00119	1	03/17/2018 00:28	WG1085804
1,4-Dichlorobenzene	U		0.000269	0.00119	1	03/17/2018 00:28	WG1085804
Dichlorodifluoromethane	U		0.000848	0.00594	1	03/17/2018 00:28	WG1085804
1,1-Dichloroethane	U		0.000237	0.00119	1	03/17/2018 00:28	WG1085804
1,2-Dichloroethane	U		0.000315	0.00119	1	03/17/2018 00:28	WG1085804
1,1-Dichloroethene	0.00122		0.000360	0.00119	1	03/17/2018 00:28	WG1085804
cis-1,2-Dichloroethene	0.0239		0.000279	0.00119	1	03/17/2018 00:28	WG1085804
trans-1,2-Dichloroethene	0.000814	J J	0.000314	0.00119	1	03/17/2018 00:28	WG1085804
1,2-Dichloropropane	U		0.000426	0.00119	1	03/17/2018 00:28	WG1085804
1,1-Dichloropropene	U		0.000377	0.00119	1	03/17/2018 00:28	WG1085804
1,3-Dichloropropane	U		0.000246	0.00119	1	03/17/2018 00:28	WG1085804
cis-1,3-Dichloropropene	U		0.000311	0.00119	1	03/17/2018 00:28	WG1085804
trans-1,3-Dichloropropene	U		0.000317	0.00119	1	03/17/2018 00:28	WG1085804
trans-1,4-Dichloro-2-butene	U	J3	0.000925	0.00297	1	03/17/2018 00:28	WG1085804
2,2-Dichloropropane	U		0.000332	0.00119	1	03/17/2018 00:28	WG1085804
Di-isopropyl ether	U		0.000295	0.00119	1	03/17/2018 00:28	WG1085804
Ethylbenzene	U		0.000353	0.00119	1	03/17/2018 00:28	WG1085804
Hexachloro-1,3-butadiene	U		0.000407	0.00119	1	03/17/2018 00:28	WG1085804
2-Hexanone	U		0.00163	0.0119	1	03/17/2018 00:28	WG1085804
n-Hexane	U		0.000345	0.0119	1	03/17/2018 00:28	WG1085804
Iodomethane	U		0.00301	0.0119	1	03/17/2018 00:28	WG1085804
Isopropylbenzene	U		0.000289	0.00119	1	03/17/2018 00:28	WG1085804
p-Isopropyltoluene	U		0.000243	0.00119	1	03/17/2018 00:28	WG1085804
2-Butanone (MEK)	U		0.00556	0.0119	1	03/17/2018 00:28	WG1085804
Methylene Chloride	U		0.00119	0.00594	1	03/17/2018 00:28	WG1085804
4-Methyl-2-pentanone (MIBK)	U		0.00223	0.0119	1	03/17/2018 00:28	WG1085804

JC 4/12/18

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000252	0.00119	1	03/17/2018 00:28	WG1085804
Naphthalene	U		0.00119	0.00594	1	03/17/2018 00:28	WG1085804
n-Propylbenzene	U		0.000245	0.00119	1	03/17/2018 00:28	WG1085804
Styrene	U		0.000278	0.00119	1	03/17/2018 00:28	WG1085804
1,1,1,2-Tetrachloroethane	U		0.000314	0.00119	1	03/17/2018 00:28	WG1085804
1,1,2,2-Tetrachloroethane	U		0.000434	0.00119	1	03/17/2018 00:28	WG1085804
1,1,2-Trichlorotrifluoroethane	U		0.000434	0.00119	1	03/17/2018 00:28	WG1085804
Tetrachloroethene	0.0371		0.000328	0.00119	1	03/17/2018 00:28	WG1085804
Toluene	U		0.000516	0.00594	1	03/17/2018 00:28	WG1085804
1,2,3-Trichlorobenzene	U		0.000364	0.00119	1	03/17/2018 00:28	WG1085804
1,2,4-Trichlorobenzene	U		0.000461	0.00119	1	03/17/2018 00:28	WG1085804
1,1,1-Trichloroethane	U		0.000340	0.00119	1	03/17/2018 00:28	WG1085804
1,1,2-Trichloroethane	U		0.000329	0.00119	1	03/17/2018 00:28	WG1085804
Trichloroethene	0.00557		0.000332	0.00119	1	03/17/2018 00:28	WG1085804
Trichlorofluoromethane	U		0.000454	0.00594	1	03/17/2018 00:28	WG1085804
1,2,3-Trichloropropane	U		0.000881	0.00297	1	03/17/2018 00:28	WG1085804
1,2,4-Trimethylbenzene	U		0.000251	0.00119	1	03/17/2018 00:28	WG1085804
1,2,3-Trimethylbenzene	U		0.000341	0.00119	1	03/17/2018 00:28	WG1085804
1,3,5-Trimethylbenzene	U		0.000316	0.00119	1	03/17/2018 00:28	WG1085804
Vinyl acetate	U		0.00284	0.0119	1	03/17/2018 00:28	WG1085804
Vinyl chloride	0.000945	J J	0.000346	0.00119	1	03/17/2018 00:28	WG1085804
Xylenes, Total	U		0.000830	0.00357	1	03/17/2018 00:28	WG1085804
(S) Toluene-d8	*96.9*			*80.0-120*		*03/17/2018 00:28*	WG1085804
(S) Dibromofluoromethane	*110*			*74.0-131*		*03/17/2018 00:28*	WG1085804
(S) 4-Bromofluorobenzene	*106*			*64.0-132*		*03/17/2018 00:28*	WG1085804

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Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	91.1		1	03/20/2018 11:04	WG1086424

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0110	0.0549	1	03/17/2018 00:48	WG1085804
Acrylonitrile	U		0.00197	0.0110	1	03/17/2018 00:48	WG1085804
Benzene	U		0.000296	0.00110	1	03/17/2018 00:48	WG1085804
Bromobenzene	U		0.000312	0.00110	1	03/17/2018 00:48	WG1085804
Bromodichloromethane	U		0.000279	0.00110	1	03/17/2018 00:48	WG1085804
Bromochloromethane	U		0.000428	0.00549	1	03/17/2018 00:48	WG1085804
Bromoform	U		0.000466	0.00110	1	03/17/2018 00:48	WG1085804
Bromomethane	U		0.00147	0.00549	1	03/17/2018 00:48	WG1085804
n-Butylbenzene	U		0.000283	0.00110	1	03/17/2018 00:48	WG1085804
sec-Butylbenzene	U		0.000221	0.00110	1	03/17/2018 00:48	WG1085804
tert-Butylbenzene	U		0.000226	0.00110	1	03/17/2018 00:48	WG1085804
Carbon disulfide	0.000442	J J	0.000243	0.00110	1	03/17/2018 00:48	WG1085804
Carbon tetrachloride	U		0.000360	0.00110	1	03/17/2018 00:48	WG1085804
Chlorobenzene	U		0.000233	0.00110	1	03/17/2018 00:48	WG1085804
Chlorodibromomethane	U		0.000410	0.00110	1	03/17/2018 00:48	WG1085804
Chloroethane	U		0.00104	0.00549	1	03/17/2018 00:48	WG1085804
Chloroform	U		0.000251	0.00549	1	03/17/2018 00:48	WG1085804
Chloromethane	U		0.000412	0.00275	1	03/17/2018 00:48	WG1085804
2-Chlorotoluene	U		0.000331	0.00110	1	03/17/2018 00:48	WG1085804
4-Chlorotoluene	U		0.000264	0.00110	1	03/17/2018 00:48	WG1085804
1,2-Dibromo-3-Chloropropane	U		0.00115	0.00549	1	03/17/2018 00:48	WG1085804
1,2-Dibromoethane	U		0.000377	0.00110	1	03/17/2018 00:48	WG1085804
Dibromomethane	U		0.000419	0.00110	1	03/17/2018 00:48	WG1085804
1,2-Dichlorobenzene	U		0.000335	0.00110	1	03/17/2018 00:48	WG1085804
1,3-Dichlorobenzene	U		0.000262	0.00110	1	03/17/2018 00:48	WG1085804
1,4-Dichlorobenzene	U		0.000248	0.00110	1	03/17/2018 00:48	WG1085804
Dichlorodifluoromethane	U		0.000783	0.00549	1	03/17/2018 00:48	WG1085804
1,1-Dichloroethane	U		0.000219	0.00110	1	03/17/2018 00:48	WG1085804
1,2-Dichloroethane	U		0.000291	0.00110	1	03/17/2018 00:48	WG1085804
1,1-Dichloroethene	U		0.000333	0.00110	1	03/17/2018 00:48	WG1085804
cis-1,2-Dichloroethene	0.0135		0.000258	0.00110	1	03/17/2018 00:48	WG1085804
trans-1,2-Dichloroethene	0.000397	J J	0.000290	0.00110	1	03/17/2018 00:48	WG1085804
1,2-Dichloropropane	U		0.000393	0.00110	1	03/17/2018 00:48	WG1085804
1,1-Dichloropropene	U		0.000348	0.00110	1	03/17/2018 00:48	WG1085804
1,3-Dichloropropane	U		0.000227	0.00110	1	03/17/2018 00:48	WG1085804
cis-1,3-Dichloropropene	U		0.000288	0.00110	1	03/17/2018 00:48	WG1085804
trans-1,3-Dichloropropene	U		0.000293	0.00110	1	03/17/2018 00:48	WG1085804
trans-1,4-Dichloro-2-butene	U	J3	0.000854	0.00275	1	03/17/2018 00:48	WG1085804
2,2-Dichloropropane	U		0.000306	0.00110	1	03/17/2018 00:48	WG1085804
Di-isopropyl ether	U		0.000272	0.00110	1	03/17/2018 00:48	WG1085804
Ethylbenzene	U		0.000326	0.00110	1	03/17/2018 00:48	WG1085804
Hexachloro-1,3-butadiene	U		0.000376	0.00110	1	03/17/2018 00:48	WG1085804
2-Hexanone	U		0.00150	0.0110	1	03/17/2018 00:48	WG1085804
n-Hexane	U		0.000318	0.0110	1	03/17/2018 00:48	WG1085804
Iodomethane	U		0.00278	0.0110	1	03/17/2018 00:48	WG1085804
Isopropylbenzene	U		0.000267	0.00110	1	03/17/2018 00:48	WG1085804
p-Isopropyltoluene	U		0.000224	0.00110	1	03/17/2018 00:48	WG1085804
2-Butanone (MEK)	U		0.00514	0.0110	1	03/17/2018 00:48	WG1085804
Methylene Chloride	U		0.00110	0.00549	1	03/17/2018 00:48	WG1085804
4-Methyl-2-pentanone (MIBK)	U		0.00206	0.0110	1	03/17/2018 00:48	WG1085804

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000233	0.00110	1	03/17/2018 00:48	WG1085804
Naphthalene	U		0.00110	0.00549	1	03/17/2018 00:48	WG1085804
n-Propylbenzene	U		0.000226	0.00110	1	03/17/2018 00:48	WG1085804
Styrene	U		0.000257	0.00110	1	03/17/2018 00:48	WG1085804
1,1,1,2-Tetrachloroethane	U		0.000290	0.00110	1	03/17/2018 00:48	WG1085804
1,1,2,2-Tetrachloroethane	U		0.000401	0.00110	1	03/17/2018 00:48	WG1085804
1,1,2-Trichlorotrifluoroethane	U		0.000401	0.00110	1	03/17/2018 00:48	WG1085804
Tetrachloroethene	0.00404		0.000303	0.00110	1	03/17/2018 00:48	WG1085804
Toluene	U		0.000477	0.00549	1	03/17/2018 00:48	WG1085804
1,2,3-Trichlorobenzene	U		0.000336	0.00110	1	03/17/2018 00:48	WG1085804
1,2,4-Trichlorobenzene	U		0.000426	0.00110	1	03/17/2018 00:48	WG1085804
1,1,1-Trichloroethane	U		0.000314	0.00110	1	03/17/2018 00:48	WG1085804
1,1,2-Trichloroethane	U		0.000304	0.00110	1	03/17/2018 00:48	WG1085804
Trichloroethene	0.00185		0.000306	0.00110	1	03/17/2018 00:48	WG1085804
Trichlorofluoromethane	U		0.000419	0.00549	1	03/17/2018 00:48	WG1085804
1,2,3-Trichloropropane	U		0.000814	0.00275	1	03/17/2018 00:48	WG1085804
1,2,4-Trimethylbenzene	U		0.000232	0.00110	1	03/17/2018 00:48	WG1085804
1,2,3-Trimethylbenzene	U		0.000315	0.00110	1	03/17/2018 00:48	WG1085804
1,3,5-Trimethylbenzene	U		0.000292	0.00110	1	03/17/2018 00:48	WG1085804
Vinyl acetate	U		0.00262	0.0110	1	03/17/2018 00:48	WG1085804
Vinyl chloride	0.00311		0.000320	0.00110	1	03/17/2018 00:48	WG1085804
Xylenes, Total	U		0.000766	0.00329	1	03/17/2018 00:48	WG1085804
(S) Toluene-d8	*97.4*			*80.0-120*		*03/17/2018 00:48*	WG1085804
(S) Dibromofluoromethane	*123*			*74.0-131*		*03/17/2018 00:48*	WG1085804
(S) 4-Bromofluorobenzene	*99.7*			*64.0-132*		*03/17/2018 00:48*	WG1085804

JC 4/12/18

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	89.2		1	03/20/2018 13:37	WG1086784

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0112	0.0561	1	03/17/2018 01:08	WG1085804
Acrylonitrile	U		0.00201	0.0112	1	03/17/2018 01:08	WG1085804
Benzene	U		0.000303	0.00112	1	03/17/2018 01:08	WG1085804
Bromobenzene	U		0.000318	0.00112	1	03/17/2018 01:08	WG1085804
Bromodichloromethane	U		0.000285	0.00112	1	03/17/2018 01:08	WG1085804
Bromochloromethane	U		0.000437	0.00561	1	03/17/2018 01:08	WG1085804
Bromoform	U		0.000475	0.00112	1	03/17/2018 01:08	WG1085804
Bromomethane	U		0.00150	0.00561	1	03/17/2018 01:08	WG1085804
n-Butylbenzene	U		0.000289	0.00112	1	03/17/2018 01:08	WG1085804
sec-Butylbenzene	U		0.000225	0.00112	1	03/17/2018 01:08	WG1085804
tert-Butylbenzene	U		0.000231	0.00112	1	03/17/2018 01:08	WG1085804
Carbon disulfide	0.000442	J J	0.000248	0.00112	1	03/17/2018 01:08	WG1085804
Carbon tetrachloride	U		0.000368	0.00112	1	03/17/2018 01:08	WG1085804
Chlorobenzene	U		0.000238	0.00112	1	03/17/2018 01:08	WG1085804
Chlorodibromomethane	U		0.000418	0.00112	1	03/17/2018 01:08	WG1085804
Chloroethane	U		0.00106	0.00561	1	03/17/2018 01:08	WG1085804
Chloroform	U		0.000257	0.00561	1	03/17/2018 01:08	WG1085804
Chloromethane	U		0.000420	0.00280	1	03/17/2018 01:08	WG1085804
2-Chlorotoluene	U		0.000338	0.00112	1	03/17/2018 01:08	WG1085804
4-Chlorotoluene	U		0.000269	0.00112	1	03/17/2018 01:08	WG1085804
1,2-Dibromo-3-Chloropropane	U		0.00118	0.00561	1	03/17/2018 01:08	WG1085804
1,2-Dibromoethane	U		0.000385	0.00112	1	03/17/2018 01:08	WG1085804
Dibromomethane	U		0.000428	0.00112	1	03/17/2018 01:08	WG1085804
1,2-Dichlorobenzene	U		0.000342	0.00112	1	03/17/2018 01:08	WG1085804
1,3-Dichlorobenzene	U		0.000268	0.00112	1	03/17/2018 01:08	WG1085804
1,4-Dichlorobenzene	U		0.000253	0.00112	1	03/17/2018 01:08	WG1085804
Dichlorodifluoromethane	U		0.000799	0.00561	1	03/17/2018 01:08	WG1085804
1,1-Dichloroethane	U		0.000223	0.00112	1	03/17/2018 01:08	WG1085804
1,2-Dichloroethane	U		0.000297	0.00112	1	03/17/2018 01:08	WG1085804
1,1-Dichloroethene	U		0.000340	0.00112	1	03/17/2018 01:08	WG1085804
cis-1,2-Dichloroethene	0.0185		0.000264	0.00112	1	03/17/2018 01:08	WG1085804
trans-1,2-Dichloroethene	U		0.000296	0.00112	1	03/17/2018 01:08	WG1085804
1,2-Dichloropropane	U		0.000401	0.00112	1	03/17/2018 01:08	WG1085804
1,1-Dichloropropene	U		0.000355	0.00112	1	03/17/2018 01:08	WG1085804
1,3-Dichloropropane	U		0.000232	0.00112	1	03/17/2018 01:08	WG1085804
cis-1,3-Dichloropropene	U		0.000294	0.00112	1	03/17/2018 01:08	WG1085804
trans-1,3-Dichloropropene	U		0.000299	0.00112	1	03/17/2018 01:08	WG1085804
trans-1,4-Dichloro-2-butene	U	J3	0.000872	0.00280	1	03/17/2018 01:08	WG1085804
2,2-Dichloropropane	U		0.000313	0.00112	1	03/17/2018 01:08	WG1085804
Di-isopropyl ether	U		0.000278	0.00112	1	03/17/2018 01:08	WG1085804
Ethylbenzene	U		0.000333	0.00112	1	03/17/2018 01:08	WG1085804
Hexachloro-1,3-butadiene	U		0.000383	0.00112	1	03/17/2018 01:08	WG1085804
2-Hexanone	U		0.00154	0.0112	1	03/17/2018 01:08	WG1085804
n-Hexane	U		0.000325	0.0112	1	03/17/2018 01:08	WG1085804
Iodomethane	U		0.00284	0.0112	1	03/17/2018 01:08	WG1085804
Isopropylbenzene	U		0.000272	0.00112	1	03/17/2018 01:08	WG1085804
p-Isopropyltoluene	U		0.000229	0.00112	1	03/17/2018 01:08	WG1085804
2-Butanone (MEK)	U		0.00525	0.0112	1	03/17/2018 01:08	WG1085804
Methylene Chloride	U		0.00112	0.00561	1	03/17/2018 01:08	WG1085804
4-Methyl-2-pentanone (MIBK)	U		0.00211	0.0112	1	03/17/2018 01:08	WG1085804

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000238	0.00112	1	03/17/2018 01:08	WG1085804
Naphthalene	U		0.00112	0.00561	1	03/17/2018 01:08	WG1085804
n-Propylbenzene	U		0.000231	0.00112	1	03/17/2018 01:08	WG1085804
Styrene	U		0.000262	0.00112	1	03/17/2018 01:08	WG1085804
1,1,1,2-Tetrachloroethane	U		0.000296	0.00112	1	03/17/2018 01:08	WG1085804
1,1,2,2-Tetrachloroethane	U		0.000409	0.00112	1	03/17/2018 01:08	WG1085804
1,1,2-Trichlorotrifluoroethane	U		0.000409	0.00112	1	03/17/2018 01:08	WG1085804
Tetrachloroethene	0.00336		0.000309	0.00112	1	03/17/2018 01:08	WG1085804
Toluene	U		0.000487	0.00561	1	03/17/2018 01:08	WG1085804
1,2,3-Trichlorobenzene	U		0.000343	0.00112	1	03/17/2018 01:08	WG1085804
1,2,4-Trichlorobenzene	U		0.000435	0.00112	1	03/17/2018 01:08	WG1085804
1,1,1-Trichloroethane	U		0.000321	0.00112	1	03/17/2018 01:08	WG1085804
1,1,2-Trichloroethane	U		0.000311	0.00112	1	03/17/2018 01:08	WG1085804
Trichloroethene	0.00126		0.000313	0.00112	1	03/17/2018 01:08	WG1085804
Trichlorofluoromethane	U		0.000428	0.00561	1	03/17/2018 01:08	WG1085804
1,2,3-Trichloropropane	U		0.000831	0.00280	1	03/17/2018 01:08	WG1085804
1,2,4-Trimethylbenzene	U		0.000237	0.00112	1	03/17/2018 01:08	WG1085804
1,2,3-Trimethylbenzene	U		0.000322	0.00112	1	03/17/2018 01:08	WG1085804
1,3,5-Trimethylbenzene	U		0.000298	0.00112	1	03/17/2018 01:08	WG1085804
Vinyl acetate	U		0.00268	0.0112	1	03/17/2018 01:08	WG1085804
Vinyl chloride	0.00592		0.000326	0.00112	1	03/17/2018 01:08	WG1085804
Xylenes, Total	U		0.000783	0.00336	1	03/17/2018 01:08	WG1085804
(S) Toluene-d8	*95.2*			*80.0-120*		*03/17/2018 01:08*	WG1085804
(S) Dibromofluoromethane	*110*			*74.0-131*		*03/17/2018 01:08*	WG1085804
(S) 4-Bromofluorobenzene	*102*			*64.0-132*		*03/17/2018 01:08*	WG1085804

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

JC 4/12/18

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	95.2		1	03/20/2018 13:37	WG1086784

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.263	1.31	25	03/17/2018 05:46	WG1085804
Acrylonitrile	U		0.0470	0.263	25	03/17/2018 05:46	WG1085804
Benzene	U		0.00709	0.0263	25	03/17/2018 05:46	WG1085804
Bromobenzene	U		0.00746	0.0263	25	03/17/2018 05:46	WG1085804
Bromodichloromethane	U		0.00667	0.0263	25	03/17/2018 05:46	WG1085804
Bromochloromethane	U		0.0102	0.131	25	03/17/2018 05:46	WG1085804
Bromoform	U		0.0111	0.0263	25	03/17/2018 05:46	WG1085804
Bromomethane	U		0.0352	0.131	25	03/17/2018 05:46	WG1085804
n-Butylbenzene	U		0.00677	0.0263	25	03/17/2018 05:46	WG1085804
sec-Butylbenzene	U		0.00527	0.0263	25	03/17/2018 05:46	WG1085804
tert-Butylbenzene	U		0.00541	0.0263	25	03/17/2018 05:46	WG1085804
Carbon disulfide	U		0.00580	0.0263	25	03/17/2018 05:46	WG1085804
Carbon tetrachloride	U		0.00861	0.0263	25	03/17/2018 05:46	WG1085804
Chlorobenzene	U		0.00557	0.0263	25	03/17/2018 05:46	WG1085804
Chlorodibromomethane	U		0.00979	0.0263	25	03/17/2018 05:46	WG1085804
Chloroethane	U		0.0248	0.131	25	03/17/2018 05:46	WG1085804
Chloroform	U		0.00601	0.131	25	03/17/2018 05:46	WG1085804
Chloromethane	U		0.00985	0.0656	25	03/17/2018 05:46	WG1085804
2-Chlorotoluene	U		0.00790	0.0263	25	03/17/2018 05:46	WG1085804
4-Chlorotoluene	U		0.00630	0.0263	25	03/17/2018 05:46	WG1085804
1,2-Dibromo-3-Chloropropane	U		0.0275	0.131	25	03/17/2018 05:46	WG1085804
1,2-Dibromoethane	U		0.00901	0.0263	25	03/17/2018 05:46	WG1085804
Dibromomethane	U		0.0100	0.0263	25	03/17/2018 05:46	WG1085804
1,2-Dichlorobenzene	U		0.00800	0.0263	25	03/17/2018 05:46	WG1085804
1,3-Dichlorobenzene	U		0.00628	0.0263	25	03/17/2018 05:46	WG1085804
1,4-Dichlorobenzene	U		0.00593	0.0263	25	03/17/2018 05:46	WG1085804
Dichlorodifluoromethane	U		0.0187	0.131	25	03/17/2018 05:46	WG1085804
1,1-Dichloroethane	U		0.00523	0.0263	25	03/17/2018 05:46	WG1085804
1,2-Dichloroethane	U		0.00695	0.0263	25	03/17/2018 05:46	WG1085804
1,1-Dichloroethene	U		0.00796	0.0263	25	03/17/2018 05:46	WG1085804
cis-1,2-Dichloroethene	1.57		0.00617	0.0263	25	03/17/2018 05:46	WG1085804
trans-1,2-Dichloroethene	0.0809		0.00693	0.0263	25	03/17/2018 05:46	WG1085804
1,2-Dichloropropane	U		0.00940	0.0263	25	03/17/2018 05:46	WG1085804
1,1-Dichloropropene	U		0.00832	0.0263	25	03/17/2018 05:46	WG1085804
1,3-Dichloropropane	U		0.00544	0.0263	25	03/17/2018 05:46	WG1085804
cis-1,3-Dichloropropene	U		0.00688	0.0263	25	03/17/2018 05:46	WG1085804
trans-1,3-Dichloropropene	U		0.00701	0.0263	25	03/17/2018 05:46	WG1085804
trans-1,4-Dichloro-2-butene	U	J3	0.0204	0.0656	25	03/17/2018 05:46	WG1085804
2,2-Dichloropropane	U		0.00733	0.0263	25	03/17/2018 05:46	WG1085804
Di-isopropyl ether	U		0.00651	0.0263	25	03/17/2018 05:46	WG1085804
Ethylbenzene	U		0.00779	0.0263	25	03/17/2018 05:46	WG1085804
Hexachloro-1,3-butadiene	U		0.00898	0.0263	25	03/17/2018 05:46	WG1085804
2-Hexanone	U		0.0359	0.263	25	03/17/2018 05:46	WG1085804
n-Hexane	U		0.00761	0.263	25	03/17/2018 05:46	WG1085804
Iodomethane	U		0.0664	0.263	25	03/17/2018 05:46	WG1085804
Isopropylbenzene	U		0.00638	0.0263	25	03/17/2018 05:46	WG1085804
p-Isopropyltoluene	U		0.00536	0.0263	25	03/17/2018 05:46	WG1085804
2-Butanone (MEK)	U		0.123	0.263	25	03/17/2018 05:46	WG1085804
Methylene Chloride	U		0.0263	0.131	25	03/17/2018 05:46	WG1085804
4-Methyl-2-pentanone (MIBK)	U		0.0494	0.263	25	03/17/2018 05:46	WG1085804

JC 4/12/18

IW-39B-55

Collected date/time: 03/12/18 14:38

SAMPLE RESULTS - 06

L977743

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.00557	0.0263	25	03/17/2018 05:46	WG1085804
Naphthalene	U		0.0263	0.131	25	03/17/2018 05:46	WG1085804
n-Propylbenzene	U		0.00541	0.0263	25	03/17/2018 05:46	WG1085804
Styrene	U		0.00614	0.0263	25	03/17/2018 05:46	WG1085804
1,1,1,2-Tetrachloroethane	U		0.00693	0.0263	25	03/17/2018 05:46	WG1085804
1,1,2,2-Tetrachloroethane	U		0.00958	0.0263	25	03/17/2018 05:46	WG1085804
1,1,2-Trichlorotrifluoroethane	U		0.00958	0.0263	25	03/17/2018 05:46	WG1085804
Tetrachloroethene	0.0868		0.00725	0.0263	25	03/17/2018 05:46	WG1085804
Toluene	U		0.0113	0.131	25	03/17/2018 05:46	WG1085804
1,2,3-Trichlorobenzene	U		0.00803	0.0263	25	03/17/2018 05:46	WG1085804
1,2,4-Trichlorobenzene	U		0.0102	0.0263	25	03/17/2018 05:46	WG1085804
1,1,1-Trichloroethane	U		0.00751	0.0263	25	03/17/2018 05:46	WG1085804
1,1,2-Trichloroethane	U		0.00727	0.0263	25	03/17/2018 05:46	WG1085804
Trichloroethene	0.0219	J J	0.00733	0.0263	25	03/17/2018 05:46	WG1085804
Trichlorofluoromethane	U		0.0100	0.131	25	03/17/2018 05:46	WG1085804
1,2,3-Trichloropropane	U		0.0194	0.0656	25	03/17/2018 05:46	WG1085804
1,2,4-Trimethylbenzene	U		0.00554	0.0263	25	03/17/2018 05:46	WG1085804
1,2,3-Trimethylbenzene	U		0.00754	0.0263	25	03/17/2018 05:46	WG1085804
1,3,5-Trimethylbenzene	U		0.00698	0.0263	25	03/17/2018 05:46	WG1085804
Vinyl acetate	U		0.0628	0.263	25	03/17/2018 05:46	WG1085804
Vinyl chloride	0.0245	J J	0.00764	0.0263	25	03/17/2018 05:46	WG1085804
Xylenes, Total	U		0.0183	0.0788	25	03/17/2018 05:46	WG1085804
(S) Toluene-d8	*109*			*80.0-120*		*03/17/2018 05:46*	WG1085804
(S) Dibromofluoromethane	*97.3*			*74.0-131*		*03/17/2018 05:46*	WG1085804
(S) 4-Bromofluorobenzene	*95.3*			*64.0-132*		*03/17/2018 05:46*	WG1085804

Sample Narrative:

L977743-06 WG1085804: Non-target compounds too high to run at a lower dilution.

JC 4/12/18

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	88.8		1	03/20/2018 13:37	WG1086784

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0563	1	03/17/2018 01:28	WG1085804
Acrylonitrile	U		0.00202	0.0113	1	03/17/2018 01:28	WG1085804
Benzene	U		0.000304	0.00113	1	03/17/2018 01:28	WG1085804
Bromobenzene	U		0.000320	0.00113	1	03/17/2018 01:28	WG1085804
Bromodichloromethane	U		0.000286	0.00113	1	03/17/2018 01:28	WG1085804
Bromochloromethane	U		0.000439	0.00563	1	03/17/2018 01:28	WG1085804
Bromoform	U		0.000478	0.00113	1	03/17/2018 01:28	WG1085804
Bromomethane	U		0.00151	0.00563	1	03/17/2018 01:28	WG1085804
n-Butylbenzene	U		0.000291	0.00113	1	03/17/2018 01:28	WG1085804
sec-Butylbenzene	U		0.000226	0.00113	1	03/17/2018 01:28	WG1085804
tert-Butylbenzene	U		0.000232	0.00113	1	03/17/2018 01:28	WG1085804
Carbon disulfide	0.000505	J J	0.000249	0.00113	1	03/17/2018 01:28	WG1085804
Carbon tetrachloride	U		0.000370	0.00113	1	03/17/2018 01:28	WG1085804
Chlorobenzene	U		0.000239	0.00113	1	03/17/2018 01:28	WG1085804
Chlorodibromomethane	U		0.000420	0.00113	1	03/17/2018 01:28	WG1085804
Chloroethane	U		0.00107	0.00563	1	03/17/2018 01:28	WG1085804
Chloroform	U		0.000258	0.00563	1	03/17/2018 01:28	WG1085804
Chloromethane	U		0.000423	0.00282	1	03/17/2018 01:28	WG1085804
2-Chlorotoluene	U		0.000339	0.00113	1	03/17/2018 01:28	WG1085804
4-Chlorotoluene	U		0.000270	0.00113	1	03/17/2018 01:28	WG1085804
1,2-Dibromo-3-Chloropropane	U		0.00118	0.00563	1	03/17/2018 01:28	WG1085804
1,2-Dibromoethane	U		0.000386	0.00113	1	03/17/2018 01:28	WG1085804
Dibromomethane	U		0.000430	0.00113	1	03/17/2018 01:28	WG1085804
1,2-Dichlorobenzene	U		0.000344	0.00113	1	03/17/2018 01:28	WG1085804
1,3-Dichlorobenzene	U		0.000269	0.00113	1	03/17/2018 01:28	WG1085804
1,4-Dichlorobenzene	U		0.000255	0.00113	1	03/17/2018 01:28	WG1085804
Dichlorodifluoromethane	U		0.000803	0.00563	1	03/17/2018 01:28	WG1085804
1,1-Dichloroethane	U		0.000224	0.00113	1	03/17/2018 01:28	WG1085804
1,2-Dichloroethane	U		0.000299	0.00113	1	03/17/2018 01:28	WG1085804
1,1-Dichloroethene	U		0.000341	0.00113	1	03/17/2018 01:28	WG1085804
cis-1,2-Dichloroethene	U		0.000265	0.00113	1	03/17/2018 01:28	WG1085804
trans-1,2-Dichloroethene	U		0.000297	0.00113	1	03/17/2018 01:28	WG1085804
1,2-Dichloropropane	U		0.000403	0.00113	1	03/17/2018 01:28	WG1085804
1,1-Dichloropropene	U		0.000357	0.00113	1	03/17/2018 01:28	WG1085804
1,3-Dichloropropane	U		0.000233	0.00113	1	03/17/2018 01:28	WG1085804
cis-1,3-Dichloropropene	U		0.000295	0.00113	1	03/17/2018 01:28	WG1085804
trans-1,3-Dichloropropene	U		0.000301	0.00113	1	03/17/2018 01:28	WG1085804
trans-1,4-Dichloro-2-butene	U	J3	0.000877	0.00282	1	03/17/2018 01:28	WG1085804
2,2-Dichloropropane	U		0.000314	0.00113	1	03/17/2018 01:28	WG1085804
Di-isopropyl ether	U		0.000279	0.00113	1	03/17/2018 01:28	WG1085804
Ethylbenzene	U		0.000335	0.00113	1	03/17/2018 01:28	WG1085804
Hexachloro-1,3-butadiene	U		0.000385	0.00113	1	03/17/2018 01:28	WG1085804
2-Hexanone	U		0.00154	0.0113	1	03/17/2018 01:28	WG1085804
n-Hexane	U		0.000327	0.0113	1	03/17/2018 01:28	WG1085804
Iodomethane	U		0.00285	0.0113	1	03/17/2018 01:28	WG1085804
Isopropylbenzene	U		0.000274	0.00113	1	03/17/2018 01:28	WG1085804
p-Isopropyltoluene	U		0.000230	0.00113	1	03/17/2018 01:28	WG1085804
2-Butanone (MEK)	U		0.00527	0.0113	1	03/17/2018 01:28	WG1085804
Methylene Chloride	U		0.00113	0.00563	1	03/17/2018 01:28	WG1085804
4-Methyl-2-pentanone (MIBK)	U		0.00212	0.0113	1	03/17/2018 01:28	WG1085804

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000239	0.00113	1	03/17/2018 01:28	WG1085804
Naphthalene	U		0.00113	0.00563	1	03/17/2018 01:28	WG1085804
n-Propylbenzene	U		0.000232	0.00113	1	03/17/2018 01:28	WG1085804
Styrene	U		0.000264	0.00113	1	03/17/2018 01:28	WG1085804
1,1,1,2-Tetrachloroethane	U		0.000297	0.00113	1	03/17/2018 01:28	WG1085804
1,1,2,2-Tetrachloroethane	U		0.000411	0.00113	1	03/17/2018 01:28	WG1085804
1,1,2-Trichlorotrifluoroethane	U		0.000411	0.00113	1	03/17/2018 01:28	WG1085804
Tetrachloroethene	0.116		0.000311	0.00113	1	03/17/2018 01:28	WG1085804
Toluene	0.000678	J J	0.000489	0.00563	1	03/17/2018 01:28	WG1085804
1,2,3-Trichlorobenzene	U		0.000345	0.00113	1	03/17/2018 01:28	WG1085804
1,2,4-Trichlorobenzene	U		0.000437	0.00113	1	03/17/2018 01:28	WG1085804
1,1,1-Trichloroethane	U		0.000322	0.00113	1	03/17/2018 01:28	WG1085804
1,1,2-Trichloroethane	U		0.000312	0.00113	1	03/17/2018 01:28	WG1085804
Trichloroethene	0.000861	J J	0.000314	0.00113	1	03/17/2018 01:28	WG1085804
Trichlorofluoromethane	U		0.000430	0.00563	1	03/17/2018 01:28	WG1085804
1,2,3-Trichloropropane	U		0.000835	0.00282	1	03/17/2018 01:28	WG1085804
1,2,4-Trimethylbenzene	0.000877	J J	0.000238	0.00113	1	03/17/2018 01:28	WG1085804
1,2,3-Trimethylbenzene	0.000532	J J	0.000323	0.00113	1	03/17/2018 01:28	WG1085804
1,3,5-Trimethylbenzene	U		0.000300	0.00113	1	03/17/2018 01:28	WG1085804
Vinyl acetate	U		0.00269	0.0113	1	03/17/2018 01:28	WG1085804
Vinyl chloride	U		0.000328	0.00113	1	03/17/2018 01:28	WG1085804
Xylenes, Total	0.00131	J J	0.000786	0.00338	1	03/17/2018 01:28	WG1085804
(S) Toluene-d8	*95.0*			*80.0-120*		*03/17/2018 01:28*	WG1085804
(S) Dibromofluoromethane	*109*			*74.0-131*		*03/17/2018 01:28*	WG1085804
(S) 4-Bromofluorobenzene	*98.0*			*64.0-132*		*03/17/2018 01:28*	WG1085804

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MW-152-15
Collected date/time: 03/13/18 09:35

SAMPLE RESULTS - 08

L977743

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	90.3		1	03/20/2018 13:37	WG1086784

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0111	0.0554	1	03/17/2018 01:48	WG1085804
Acrylonitrile	U		0.00198	0.0111	1	03/17/2018 01:48	WG1085804
Benzene	U		0.000299	0.00111	1	03/17/2018 01:48	WG1085804
Bromobenzene	U		0.000315	0.00111	1	03/17/2018 01:48	WG1085804
Bromodichloromethane	U		0.000281	0.00111	1	03/17/2018 01:48	WG1085804
Bromochloromethane	U		0.000432	0.00554	1	03/17/2018 01:48	WG1085804
Bromoform	U		0.000470	0.00111	1	03/17/2018 01:48	WG1085804
Bromomethane	U		0.00148	0.00554	1	03/17/2018 01:48	WG1085804
n-Butylbenzene	U		0.000286	0.00111	1	03/17/2018 01:48	WG1085804
sec-Butylbenzene	U		0.000223	0.00111	1	03/17/2018 01:48	WG1085804
tert-Butylbenzene	U		0.000228	0.00111	1	03/17/2018 01:48	WG1085804
Carbon disulfide	0.000864	J J	0.000245	0.00111	1	03/17/2018 01:48	WG1085804
Carbon tetrachloride	U		0.000363	0.00111	1	03/17/2018 01:48	WG1085804
Chlorobenzene	U		0.000235	0.00111	1	03/17/2018 01:48	WG1085804
Chlorodibromomethane	U		0.000413	0.00111	1	03/17/2018 01:48	WG1085804
Chloroethane	U		0.00105	0.00554	1	03/17/2018 01:48	WG1085804
Chloroform	U		0.000254	0.00554	1	03/17/2018 01:48	WG1085804
Chloromethane	U		0.000415	0.00277	1	03/17/2018 01:48	WG1085804
2-Chlorotoluene	U		0.000333	0.00111	1	03/17/2018 01:48	WG1085804
4-Chlorotoluene	U		0.000266	0.00111	1	03/17/2018 01:48	WG1085804
1,2-Dibromo-3-Chloropropane	U		0.00116	0.00554	1	03/17/2018 01:48	WG1085804
1,2-Dibromoethane	U		0.000380	0.00111	1	03/17/2018 01:48	WG1085804
Dibromomethane	U		0.000423	0.00111	1	03/17/2018 01:48	WG1085804
1,2-Dichlorobenzene	U		0.000338	0.00111	1	03/17/2018 01:48	WG1085804
1,3-Dichlorobenzene	U		0.000265	0.00111	1	03/17/2018 01:48	WG1085804
1,4-Dichlorobenzene	U		0.000250	0.00111	1	03/17/2018 01:48	WG1085804
Dichlorodifluoromethane	U		0.000790	0.00554	1	03/17/2018 01:48	WG1085804
1,1-Dichloroethane	U		0.000220	0.00111	1	03/17/2018 01:48	WG1085804
1,2-Dichloroethane	U		0.000293	0.00111	1	03/17/2018 01:48	WG1085804
1,1-Dichloroethene	U		0.000336	0.00111	1	03/17/2018 01:48	WG1085804
cis-1,2-Dichloroethene	0.00864		0.000260	0.00111	1	03/17/2018 01:48	WG1085804
trans-1,2-Dichloroethene	U		0.000292	0.00111	1	03/17/2018 01:48	WG1085804
1,2-Dichloropropane	U		0.000396	0.00111	1	03/17/2018 01:48	WG1085804
1,1-Dichloropropene	U		0.000351	0.00111	1	03/17/2018 01:48	WG1085804
1,3-Dichloropropane	U		0.000229	0.00111	1	03/17/2018 01:48	WG1085804
cis-1,3-Dichloropropene	U		0.000290	0.00111	1	03/17/2018 01:48	WG1085804
trans-1,3-Dichloropropene	U		0.000296	0.00111	1	03/17/2018 01:48	WG1085804
trans-1,4-Dichloro-2-butene	U	J3	0.000862	0.00277	1	03/17/2018 01:48	WG1085804
2,2-Dichloropropane	U		0.000309	0.00111	1	03/17/2018 01:48	WG1085804
Di-isopropyl ether	U		0.000275	0.00111	1	03/17/2018 01:48	WG1085804
Ethylbenzene	U		0.000329	0.00111	1	03/17/2018 01:48	WG1085804
Hexachloro-1,3-butadiene	U		0.000379	0.00111	1	03/17/2018 01:48	WG1085804
2-Hexanone	U		0.00152	0.0111	1	03/17/2018 01:48	WG1085804
n-Hexane	U		0.000321	0.0111	1	03/17/2018 01:48	WG1085804
Iodomethane	U		0.00280	0.0111	1	03/17/2018 01:48	WG1085804
Isopropylbenzene	U		0.000269	0.00111	1	03/17/2018 01:48	WG1085804
p-Isopropyltoluene	U		0.000226	0.00111	1	03/17/2018 01:48	WG1085804
2-Butanone (MEK)	U		0.00518	0.0111	1	03/17/2018 01:48	WG1085804
Methylene Chloride	U		0.00111	0.00554	1	03/17/2018 01:48	WG1085804
4-Methyl-2-pentanone (MIBK)	U		0.00208	0.0111	1	03/17/2018 01:48	WG1085804

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000235	0.00111	1	03/17/2018 01:48	WG1085804
Naphthalene	U		0.00111	0.00554	1	03/17/2018 01:48	WG1085804
n-Propylbenzene	U		0.000228	0.00111	1	03/17/2018 01:48	WG1085804
Styrene	U		0.000259	0.00111	1	03/17/2018 01:48	WG1085804
1,1,1,2-Tetrachloroethane	U		0.000292	0.00111	1	03/17/2018 01:48	WG1085804
1,1,2,2-Tetrachloroethane	U		0.000404	0.00111	1	03/17/2018 01:48	WG1085804
1,1,2-Trichlorotrifluoroethane	U		0.000404	0.00111	1	03/17/2018 01:48	WG1085804
Tetrachloroethene	6.12		0.0153	0.0554	50	03/22/2018 14:18	WG1085804
Toluene	U		0.000481	0.00554	1	03/17/2018 01:48	WG1085804
1,2,3-Trichlorobenzene	U		0.000339	0.00111	1	03/17/2018 01:48	WG1085804
1,2,4-Trichlorobenzene	U		0.000430	0.00111	1	03/17/2018 01:48	WG1085804
1,1,1-Trichloroethane	U		0.000317	0.00111	1	03/17/2018 01:48	WG1085804
1,1,2-Trichloroethane	U		0.000307	0.00111	1	03/17/2018 01:48	WG1085804
Trichloroethene	0.101		0.000309	0.00111	1	03/17/2018 01:48	WG1085804
Trichlorofluoromethane	U		0.000423	0.00554	1	03/17/2018 01:48	WG1085804
1,2,3-Trichloropropane	U		0.000821	0.00277	1	03/17/2018 01:48	WG1085804
1,2,4-Trimethylbenzene	U		0.000234	0.00111	1	03/17/2018 01:48	WG1085804
1,2,3-Trimethylbenzene	U		0.000318	0.00111	1	03/17/2018 01:48	WG1085804
1,3,5-Trimethylbenzene	U		0.000295	0.00111	1	03/17/2018 01:48	WG1085804
Vinyl acetate	U		0.00265	0.0111	1	03/17/2018 01:48	WG1085804
Vinyl chloride	U		0.000322	0.00111	1	03/17/2018 01:48	WG1085804
Xylenes, Total	U		0.000773	0.00332	1	03/17/2018 01:48	WG1085804
(S) Toluene-d8	*115*			*80.0-120*		*03/22/2018 14:18*	WG1085804
(S) Toluene-d8	*99.1*			*80.0-120*		*03/17/2018 01:48*	WG1085804
(S) Dibromofluoromethane	*99.3*			*74.0-131*		*03/22/2018 14:18*	WG1085804
(S) Dibromofluoromethane	*104*			*74.0-131*		*03/17/2018 01:48*	WG1085804
(S) 4-Bromofluorobenzene	*100*			*64.0-132*		*03/17/2018 01:48*	WG1085804
(S) 4-Bromofluorobenzene	*108*			*64.0-132*		*03/22/2018 14:18*	WG1085804

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Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	92.2		1	03/20/2018 13:37	WG1086784

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0108	0.0542	1	03/17/2018 02:08	WG1085804
Acrylonitrile	U		0.00194	0.0108	1	03/17/2018 02:08	WG1085804
Benzene	U		0.000293	0.00108	1	03/17/2018 02:08	WG1085804
Bromobenzene	U		0.000308	0.00108	1	03/17/2018 02:08	WG1085804
Bromodichloromethane	U		0.000276	0.00108	1	03/17/2018 02:08	WG1085804
Bromochloromethane	U		0.000423	0.00542	1	03/17/2018 02:08	WG1085804
Bromoform	U		0.000460	0.00108	1	03/17/2018 02:08	WG1085804
Bromomethane	U		0.00145	0.00542	1	03/17/2018 02:08	WG1085804
n-Butylbenzene	U		0.000280	0.00108	1	03/17/2018 02:08	WG1085804
sec-Butylbenzene	U		0.000218	0.00108	1	03/17/2018 02:08	WG1085804
tert-Butylbenzene	U		0.000223	0.00108	1	03/17/2018 02:08	WG1085804
Carbon disulfide	0.000702	J J	0.000240	0.00108	1	03/17/2018 02:08	WG1085804
Carbon tetrachloride	U		0.000356	0.00108	1	03/17/2018 02:08	WG1085804
Chlorobenzene	U		0.000230	0.00108	1	03/17/2018 02:08	WG1085804
Chlorodibromomethane	U		0.000405	0.00108	1	03/17/2018 02:08	WG1085804
Chloroethane	U		0.00103	0.00542	1	03/17/2018 02:08	WG1085804
Chloroform	U		0.000248	0.00542	1	03/17/2018 02:08	WG1085804
Chloromethane	U		0.000407	0.00271	1	03/17/2018 02:08	WG1085804
2-Chlorotoluene	U		0.000327	0.00108	1	03/17/2018 02:08	WG1085804
4-Chlorotoluene	U		0.000260	0.00108	1	03/17/2018 02:08	WG1085804
1,2-Dibromo-3-Chloropropane	U		0.00114	0.00542	1	03/17/2018 02:08	WG1085804
1,2-Dibromoethane	U		0.000372	0.00108	1	03/17/2018 02:08	WG1085804
Dibromomethane	U		0.000414	0.00108	1	03/17/2018 02:08	WG1085804
1,2-Dichlorobenzene	U		0.000331	0.00108	1	03/17/2018 02:08	WG1085804
1,3-Dichlorobenzene	U		0.000259	0.00108	1	03/17/2018 02:08	WG1085804
1,4-Dichlorobenzene	U		0.000245	0.00108	1	03/17/2018 02:08	WG1085804
Dichlorodifluoromethane	U		0.000773	0.00542	1	03/17/2018 02:08	WG1085804
1,1-Dichloroethane	U		0.000216	0.00108	1	03/17/2018 02:08	WG1085804
1,2-Dichloroethane	U		0.000287	0.00108	1	03/17/2018 02:08	WG1085804
1,1-Dichloroethene	0.000439	J J	0.000329	0.00108	1	03/17/2018 02:08	WG1085804
cis-1,2-Dichloroethene	1.11		0.00924	0.0393	36.25	03/22/2018 14:25	WG1085804
trans-1,2-Dichloroethene	0.00188		0.000286	0.00108	1	03/17/2018 02:08	WG1085804
1,2-Dichloropropane	U		0.000388	0.00108	1	03/17/2018 02:08	WG1085804
1,1-Dichloropropene	U		0.000344	0.00108	1	03/17/2018 02:08	WG1085804
1,3-Dichloropropane	U		0.000225	0.00108	1	03/17/2018 02:08	WG1085804
cis-1,3-Dichloropropene	U		0.000284	0.00108	1	03/17/2018 02:08	WG1085804
trans-1,3-Dichloropropene	U		0.000290	0.00108	1	03/17/2018 02:08	WG1085804
trans-1,4-Dichloro-2-butene	U	J3	0.000844	0.00271	1	03/17/2018 02:08	WG1085804
2,2-Dichloropropane	U		0.000303	0.00108	1	03/17/2018 02:08	WG1085804
Di-isopropyl ether	U		0.000269	0.00108	1	03/17/2018 02:08	WG1085804
Ethylbenzene	U		0.000322	0.00108	1	03/17/2018 02:08	WG1085804
Hexachloro-1,3-butadiene	U		0.000371	0.00108	1	03/17/2018 02:08	WG1085804
2-Hexanone	U		0.00149	0.0108	1	03/17/2018 02:08	WG1085804
n-Hexane	U		0.000315	0.0108	1	03/17/2018 02:08	WG1085804
Iodomethane	U		0.00274	0.0108	1	03/17/2018 02:08	WG1085804
Isopropylbenzene	U		0.000264	0.00108	1	03/17/2018 02:08	WG1085804
p-Isopropyltoluene	U		0.000221	0.00108	1	03/17/2018 02:08	WG1085804
2-Butanone (MEK)	U		0.00508	0.0108	1	03/17/2018 02:08	WG1085804
Methylene Chloride	U		0.00108	0.00542	1	03/17/2018 02:08	WG1085804
4-Methyl-2-pentanone (MIBK)	U		0.00204	0.0108	1	03/17/2018 02:08	WG1085804

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000230	0.00108	1	03/17/2018 02:08	WG1085804
Naphthalene	U		0.00108	0.00542	1	03/17/2018 02:08	WG1085804
n-Propylbenzene	U		0.000223	0.00108	1	03/17/2018 02:08	WG1085804
Styrene	U		0.000254	0.00108	1	03/17/2018 02:08	WG1085804
1,1,1,2-Tetrachloroethane	U		0.000286	0.00108	1	03/17/2018 02:08	WG1085804
1,1,2,2-Tetrachloroethane	U		0.000396	0.00108	1	03/17/2018 02:08	WG1085804
1,1,2-Trichlorotrifluoroethane	U		0.000396	0.00108	1	03/17/2018 02:08	WG1085804
Tetrachloroethene	0.276		0.0108	0.0393	36.25	03/22/2018 14:25	WG1085804
Toluene	U		0.000471	0.00542	1	03/17/2018 02:08	WG1085804
1,2,3-Trichlorobenzene	U		0.000332	0.00108	1	03/17/2018 02:08	WG1085804
1,2,4-Trichlorobenzene	U		0.000421	0.00108	1	03/17/2018 02:08	WG1085804
1,1,1-Trichloroethane	U		0.000310	0.00108	1	03/17/2018 02:08	WG1085804
1,1,2-Trichloroethane	U		0.000300	0.00108	1	03/17/2018 02:08	WG1085804
Trichloroethene	0.00768		0.000303	0.00108	1	03/17/2018 02:08	WG1085804
Trichlorofluoromethane	U		0.000414	0.00542	1	03/17/2018 02:08	WG1085804
1,2,3-Trichloropropane	U		0.000804	0.00271	1	03/17/2018 02:08	WG1085804
1,2,4-Trimethylbenzene	U		0.000229	0.00108	1	03/17/2018 02:08	WG1085804
1,2,3-Trimethylbenzene	U		0.000311	0.00108	1	03/17/2018 02:08	WG1085804
1,3,5-Trimethylbenzene	U		0.000289	0.00108	1	03/17/2018 02:08	WG1085804
Vinyl acetate	U		0.00259	0.0108	1	03/17/2018 02:08	WG1085804
Vinyl chloride	0.00488		0.000316	0.00108	1	03/17/2018 02:08	WG1085804
Xylenes, Total	U		0.000757	0.00325	1	03/17/2018 02:08	WG1085804
(S) Toluene-d8	*97.5*			*80.0-120*		*03/17/2018 02:08*	WG1085804
(S) Toluene-d8	*111*			*80.0-120*		*03/22/2018 14:25*	WG1085804
(S) Dibromofluoromethane	*109*			*74.0-131*		*03/17/2018 02:08*	WG1085804
(S) Dibromofluoromethane	*96.4*			*74.0-131*		*03/22/2018 14:25*	WG1085804
(S) 4-Bromofluorobenzene	*86.4*			*64.0-132*		*03/22/2018 14:25*	WG1085804
(S) 4-Bromofluorobenzene	*97.3*			*64.0-132*		*03/17/2018 02:08*	WG1085804

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Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	91.2		1	03/20/2018 13:37	WG1086784

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.0112	J J	0.0110	0.0548	1	03/17/2018 02:28	WG1085804
Acrylonitrile	U		0.00196	0.0110	1	03/17/2018 02:28	WG1085804
Benzene	U		0.000296	0.00110	1	03/17/2018 02:28	WG1085804
Bromobenzene	U		0.000311	0.00110	1	03/17/2018 02:28	WG1085804
Bromodichloromethane	U		0.000279	0.00110	1	03/17/2018 02:28	WG1085804
Bromochloromethane	U		0.000428	0.00548	1	03/17/2018 02:28	WG1085804
Bromoform	U		0.000465	0.00110	1	03/17/2018 02:28	WG1085804
Bromomethane	U		0.00147	0.00548	1	03/17/2018 02:28	WG1085804
n-Butylbenzene	U		0.000283	0.00110	1	03/17/2018 02:28	WG1085804
sec-Butylbenzene	U		0.000220	0.00110	1	03/17/2018 02:28	WG1085804
tert-Butylbenzene	U		0.000226	0.00110	1	03/17/2018 02:28	WG1085804
Carbon disulfide	0.00130		0.000242	0.00110	1	03/17/2018 02:28	WG1085804
Carbon tetrachloride	U		0.000360	0.00110	1	03/17/2018 02:28	WG1085804
Chlorobenzene	U		0.000232	0.00110	1	03/17/2018 02:28	WG1085804
Chlorodibromomethane	U		0.000409	0.00110	1	03/17/2018 02:28	WG1085804
Chloroethane	U		0.00104	0.00548	1	03/17/2018 02:28	WG1085804
Chloroform	U		0.000251	0.00548	1	03/17/2018 02:28	WG1085804
Chloromethane	U		0.000411	0.00274	1	03/17/2018 02:28	WG1085804
2-Chlorotoluene	U		0.000330	0.00110	1	03/17/2018 02:28	WG1085804
4-Chlorotoluene	U		0.000263	0.00110	1	03/17/2018 02:28	WG1085804
1,2-Dibromo-3-Chloropropane	U		0.00115	0.00548	1	03/17/2018 02:28	WG1085804
1,2-Dibromoethane	U		0.000376	0.00110	1	03/17/2018 02:28	WG1085804
Dibromomethane	U		0.000419	0.00110	1	03/17/2018 02:28	WG1085804
1,2-Dichlorobenzene	U		0.000334	0.00110	1	03/17/2018 02:28	WG1085804
1,3-Dichlorobenzene	U		0.000262	0.00110	1	03/17/2018 02:28	WG1085804
1,4-Dichlorobenzene	U		0.000248	0.00110	1	03/17/2018 02:28	WG1085804
Dichlorodifluoromethane	U		0.000782	0.00548	1	03/17/2018 02:28	WG1085804
1,1-Dichloroethane	U		0.000218	0.00110	1	03/17/2018 02:28	WG1085804
1,2-Dichloroethane	U		0.000291	0.00110	1	03/17/2018 02:28	WG1085804
1,1-Dichloroethene	0.00127		0.000332	0.00110	1	03/17/2018 02:28	WG1085804
cis-1,2-Dichloroethene	0.776		0.00645	0.0274	25	03/22/2018 15:23	WG1085804
trans-1,2-Dichloroethene	0.00168		0.000290	0.00110	1	03/17/2018 02:28	WG1085804
1,2-Dichloropropane	U		0.000393	0.00110	1	03/17/2018 02:28	WG1085804
1,1-Dichloropropene	U		0.000348	0.00110	1	03/17/2018 02:28	WG1085804
1,3-Dichloropropane	U		0.000227	0.00110	1	03/17/2018 02:28	WG1085804
cis-1,3-Dichloropropene	U		0.000287	0.00110	1	03/17/2018 02:28	WG1085804
trans-1,3-Dichloropropene	U		0.000293	0.00110	1	03/17/2018 02:28	WG1085804
trans-1,4-Dichloro-2-butene	U	J3	0.000853	0.00274	1	03/17/2018 02:28	WG1085804
2,2-Dichloropropane	U		0.000306	0.00110	1	03/17/2018 02:28	WG1085804
Di-isopropyl ether	U		0.000272	0.00110	1	03/17/2018 02:28	WG1085804
Ethylbenzene	U		0.000326	0.00110	1	03/17/2018 02:28	WG1085804
Hexachloro-1,3-butadiene	U		0.000375	0.00110	1	03/17/2018 02:28	WG1085804
2-Hexanone	U		0.00150	0.0110	1	03/17/2018 02:28	WG1085804
n-Hexane	U		0.000318	0.0110	1	03/17/2018 02:28	WG1085804
Iodomethane	U		0.00277	0.0110	1	03/17/2018 02:28	WG1085804
Isopropylbenzene	U		0.000266	0.00110	1	03/17/2018 02:28	WG1085804
p-Isopropyltoluene	U		0.000224	0.00110	1	03/17/2018 02:28	WG1085804
2-Butanone (MEK)	U		0.00513	0.0110	1	03/17/2018 02:28	WG1085804
Methylene Chloride	U		0.00110	0.00548	1	03/17/2018 02:28	WG1085804
4-Methyl-2-pentanone (MIBK)	U		0.00206	0.0110	1	03/17/2018 02:28	WG1085804

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000232	0.00110	1	03/17/2018 02:28	WG1085804
Naphthalene	U		0.00110	0.00548	1	03/17/2018 02:28	WG1085804
n-Propylbenzene	U		0.000226	0.00110	1	03/17/2018 02:28	WG1085804
Styrene	U		0.000257	0.00110	1	03/17/2018 02:28	WG1085804
1,1,1,2-Tetrachloroethane	U		0.000290	0.00110	1	03/17/2018 02:28	WG1085804
1,1,2,2-Tetrachloroethane	U		0.000400	0.00110	1	03/17/2018 02:28	WG1085804
1,1,2-Trichlorotrifluoroethane	U		0.000400	0.00110	1	03/17/2018 02:28	WG1085804
Tetrachloroethene	1.23		0.00757	0.0274	25	03/22/2018 15:23	WG1085804
Toluene	U		0.000476	0.00548	1	03/17/2018 02:28	WG1085804
1,2,3-Trichlorobenzene	U		0.000336	0.00110	1	03/17/2018 02:28	WG1085804
1,2,4-Trichlorobenzene	U		0.000426	0.00110	1	03/17/2018 02:28	WG1085804
1,1,1-Trichloroethane	U		0.000314	0.00110	1	03/17/2018 02:28	WG1085804
1,1,2-Trichloroethane	U		0.000304	0.00110	1	03/17/2018 02:28	WG1085804
Trichloroethene	0.0203		0.000306	0.00110	1	03/17/2018 02:28	WG1085804
Trichlorofluoromethane	U		0.000419	0.00548	1	03/17/2018 02:28	WG1085804
1,2,3-Trichloropropane	U		0.000813	0.00274	1	03/17/2018 02:28	WG1085804
1,2,4-Trimethylbenzene	U		0.000231	0.00110	1	03/17/2018 02:28	WG1085804
1,2,3-Trimethylbenzene	U		0.000315	0.00110	1	03/17/2018 02:28	WG1085804
1,3,5-Trimethylbenzene	U		0.000292	0.00110	1	03/17/2018 02:28	WG1085804
Vinyl acetate	U		0.00262	0.0110	1	03/17/2018 02:28	WG1085804
Vinyl chloride	0.0282		0.000319	0.00110	1	03/17/2018 02:28	WG1085804
Xylenes, Total	U		0.000765	0.00329	1	03/17/2018 02:28	WG1085804
(S) Toluene-d8	*95.7*			*80.0-120*		*03/17/2018 02:28*	WG1085804
(S) Toluene-d8	*95.2*			*80.0-120*		*03/22/2018 15:23*	WG1085804
(S) Dibromofluoromethane	*111*			*74.0-131*		*03/17/2018 02:28*	WG1085804
(S) Dibromofluoromethane	*95.0*			*74.0-131*		*03/22/2018 15:23*	WG1085804
(S) 4-Bromofluorobenzene	*89.9*			*64.0-132*		*03/22/2018 15:23*	WG1085804
(S) 4-Bromofluorobenzene	*101*			*64.0-132*		*03/17/2018 02:28*	WG1085804

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

JC 4/12/18

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	88.7		1	03/20/2018 13:37	WG1086784

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0564	1	03/17/2018 02:47	WG1085804
Acrylonitrile	U		0.00202	0.0113	1	03/17/2018 02:47	WG1085804
Benzene	U		0.000304	0.00113	1	03/17/2018 02:47	WG1085804
Bromobenzene	U		0.000320	0.00113	1	03/17/2018 02:47	WG1085804
Bromodichloromethane	U		0.000286	0.00113	1	03/17/2018 02:47	WG1085804
Bromochloromethane	U		0.000440	0.00564	1	03/17/2018 02:47	WG1085804
Bromoform	U		0.000478	0.00113	1	03/17/2018 02:47	WG1085804
Bromomethane	U		0.00151	0.00564	1	03/17/2018 02:47	WG1085804
n-Butylbenzene	0.000435	J J	0.000291	0.00113	1	03/17/2018 02:47	WG1085804
sec-Butylbenzene	0.000397	J J	0.000227	0.00113	1	03/17/2018 02:47	WG1085804
tert-Butylbenzene	0.000252	J J	0.000232	0.00113	1	03/17/2018 02:47	WG1085804
Carbon disulfide	0.00108	J J	0.000249	0.00113	1	03/17/2018 02:47	WG1085804
Carbon tetrachloride	U		0.000370	0.00113	1	03/17/2018 02:47	WG1085804
Chlorobenzene	U		0.000239	0.00113	1	03/17/2018 02:47	WG1085804
Chlorodibromomethane	U		0.000420	0.00113	1	03/17/2018 02:47	WG1085804
Chloroethane	U		0.00107	0.00564	1	03/17/2018 02:47	WG1085804
Chloroform	U		0.000258	0.00564	1	03/17/2018 02:47	WG1085804
Chloromethane	U		0.000423	0.00282	1	03/17/2018 02:47	WG1085804
2-Chlorotoluene	U		0.000339	0.00113	1	03/17/2018 02:47	WG1085804
4-Chlorotoluene	U		0.000271	0.00113	1	03/17/2018 02:47	WG1085804
1,2-Dibromo-3-Chloropropane	U		0.00118	0.00564	1	03/17/2018 02:47	WG1085804
1,2-Dibromoethane	U		0.000387	0.00113	1	03/17/2018 02:47	WG1085804
Dibromomethane	U		0.000431	0.00113	1	03/17/2018 02:47	WG1085804
1,2-Dichlorobenzene	U		0.000344	0.00113	1	03/17/2018 02:47	WG1085804
1,3-Dichlorobenzene	U		0.000269	0.00113	1	03/17/2018 02:47	WG1085804
1,4-Dichlorobenzene	U		0.000255	0.00113	1	03/17/2018 02:47	WG1085804
Dichlorodifluoromethane	U		0.000804	0.00564	1	03/17/2018 02:47	WG1085804
1,1-Dichloroethane	U		0.000224	0.00113	1	03/17/2018 02:47	WG1085804
1,2-Dichloroethane	U		0.000299	0.00113	1	03/17/2018 02:47	WG1085804
1,1-Dichloroethene	0.00544		0.000342	0.00113	1	03/17/2018 02:47	WG1085804
cis-1,2-Dichloroethene	7.54		0.133	0.564	500	03/22/2018 16:13	WG1085804
trans-1,2-Dichloroethene	0.00382		0.000298	0.00113	1	03/17/2018 02:47	WG1085804
1,2-Dichloropropane	U		0.000404	0.00113	1	03/17/2018 02:47	WG1085804
1,1-Dichloropropene	U		0.000357	0.00113	1	03/17/2018 02:47	WG1085804
1,3-Dichloropropane	U		0.000233	0.00113	1	03/17/2018 02:47	WG1085804
cis-1,3-Dichloropropene	U		0.000295	0.00113	1	03/17/2018 02:47	WG1085804
trans-1,3-Dichloropropene	U		0.000301	0.00113	1	03/17/2018 02:47	WG1085804
trans-1,4-Dichloro-2-butene	U	J3	0.000877	0.00282	1	03/17/2018 02:47	WG1085804
2,2-Dichloropropane	U		0.000315	0.00113	1	03/17/2018 02:47	WG1085804
Di-isopropyl ether	U		0.000280	0.00113	1	03/17/2018 02:47	WG1085804
Ethylbenzene	U		0.000335	0.00113	1	03/17/2018 02:47	WG1085804
Hexachloro-1,3-butadiene	U		0.000386	0.00113	1	03/17/2018 02:47	WG1085804
2-Hexanone	U		0.00154	0.0113	1	03/17/2018 02:47	WG1085804
n-Hexane	0.000925	J J	0.000327	0.0113	1	03/17/2018 02:47	WG1085804
Iodomethane	U		0.00285	0.0113	1	03/17/2018 02:47	WG1085804
Isopropylbenzene	U		0.000274	0.00113	1	03/17/2018 02:47	WG1085804
p-Isopropyltoluene	0.000446	J J	0.000230	0.00113	1	03/17/2018 02:47	WG1085804
2-Butanone (MEK)	U		0.00528	0.0113	1	03/17/2018 02:47	WG1085804
Methylene Chloride	U		0.00113	0.00564	1	03/17/2018 02:47	WG1085804
4-Methyl-2-pentanone (MIBK)	U		0.00212	0.0113	1	03/17/2018 02:47	WG1085804

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000239	0.00113	1	03/17/2018 02:47	WG1085804
Naphthalene	U		0.00113	0.00564	1	03/17/2018 02:47	WG1085804
n-Propylbenzene	0.000851	J J	0.000232	0.00113	1	03/17/2018 02:47	WG1085804
Styrene	U		0.000264	0.00113	1	03/17/2018 02:47	WG1085804
1,1,1,2-Tetrachloroethane	U		0.000298	0.00113	1	03/17/2018 02:47	WG1085804
1,1,2,2-Tetrachloroethane	U		0.000411	0.00113	1	03/17/2018 02:47	WG1085804
1,1,2-Trichlorotrifluoroethane	U		0.000411	0.00113	1	03/17/2018 02:47	WG1085804
Tetrachloroethene	122		1.56	5.64	5000	03/22/2018 17:58	WG1085804
Toluene	0.000853	J J	0.000489	0.00564	1	03/17/2018 02:47	WG1085804
1,2,3-Trichlorobenzene	U		0.000345	0.00113	1	03/17/2018 02:47	WG1085804
1,2,4-Trichlorobenzene	U		0.000437	0.00113	1	03/17/2018 02:47	WG1085804
1,1,1-Trichloroethane	U		0.000322	0.00113	1	03/17/2018 02:47	WG1085804
1,1,2-Trichloroethane	U		0.000312	0.00113	1	03/17/2018 02:47	WG1085804
Trichloroethene	0.532	J J	0.158	0.564	500	03/22/2018 16:13	WG1085804
Trichlorofluoromethane	U		0.000431	0.00564	1	03/17/2018 02:47	WG1085804
1,2,3-Trichloropropane	U		0.000835	0.00282	1	03/17/2018 02:47	WG1085804
1,2,4-Trimethylbenzene	0.00577		0.000238	0.00113	1	03/17/2018 02:47	WG1085804
1,2,3-Trimethylbenzene	0.00185		0.000324	0.00113	1	03/17/2018 02:47	WG1085804
1,3,5-Trimethylbenzene	0.00190		0.000300	0.00113	1	03/17/2018 02:47	WG1085804
Vinyl acetate	U		0.00269	0.0113	1	03/17/2018 02:47	WG1085804
Vinyl chloride	1.06		0.165	0.564	500	03/22/2018 16:13	WG1085804
Xylenes, Total	0.00173	J J	0.000787	0.00338	1	03/17/2018 02:47	WG1085804
(S) Toluene-d8	*113*			*80.0-120*		*03/22/2018 16:13*	WG1085804
(S) Toluene-d8	*114*			*80.0-120*		*03/22/2018 17:58*	WG1085804
(S) Toluene-d8	*119*			*80.0-120*		*03/17/2018 02:47*	WG1085804
(S) Dibromofluoromethane	*107*			*74.0-131*		*03/17/2018 02:47*	WG1085804
(S) Dibromofluoromethane	*93.9*			*74.0-131*		*03/22/2018 16:13*	WG1085804
(S) Dibromofluoromethane	*95.7*			*74.0-131*		*03/22/2018 17:58*	WG1085804
(S) 4-Bromofluorobenzene	*93.6*			*64.0-132*		*03/22/2018 17:58*	WG1085804
(S) 4-Bromofluorobenzene	*115*			*64.0-132*		*03/17/2018 02:47*	WG1085804
(S) 4-Bromofluorobenzene	*95.5*			*64.0-132*		*03/22/2018 16:13*	WG1085804

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MW-152-55

Collected date/time: 03/13/18 10:50

SAMPLE RESULTS - 12

L977743

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	88.3		1	03/20/2018 13:37	WG1086784

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0566	1	03/17/2018 03:07	WG1085804
Acrylonitrile	U		0.00203	0.0113	1	03/17/2018 03:07	WG1085804
Benzene	U		0.000306	0.00113	1	03/17/2018 03:07	WG1085804
Bromobenzene	U		0.000322	0.00113	1	03/17/2018 03:07	WG1085804
Bromodichloromethane	U		0.000288	0.00113	1	03/17/2018 03:07	WG1085804
Bromochloromethane	U		0.000442	0.00566	1	03/17/2018 03:07	WG1085804
Bromoform	U		0.000480	0.00113	1	03/17/2018 03:07	WG1085804
Bromomethane	U		0.00152	0.00566	1	03/17/2018 03:07	WG1085804
n-Butylbenzene	U		0.000292	0.00113	1	03/17/2018 03:07	WG1085804
sec-Butylbenzene	U		0.000228	0.00113	1	03/17/2018 03:07	WG1085804
tert-Butylbenzene	U		0.000233	0.00113	1	03/17/2018 03:07	WG1085804
Carbon disulfide	0.00132		0.000250	0.00113	1	03/17/2018 03:07	WG1085804
Carbon tetrachloride	U		0.000372	0.00113	1	03/17/2018 03:07	WG1085804
Chlorobenzene	U		0.000240	0.00113	1	03/17/2018 03:07	WG1085804
Chlorodibromomethane	U		0.000422	0.00113	1	03/17/2018 03:07	WG1085804
Chloroethane	U		0.00107	0.00566	1	03/17/2018 03:07	WG1085804
Chloroform	U		0.000259	0.00566	1	03/17/2018 03:07	WG1085804
Chloromethane	U		0.000425	0.00283	1	03/17/2018 03:07	WG1085804
2-Chlorotoluene	U		0.000341	0.00113	1	03/17/2018 03:07	WG1085804
4-Chlorotoluene	U		0.000272	0.00113	1	03/17/2018 03:07	WG1085804
1,2-Dibromo-3-Chloropropane	U		0.00119	0.00566	1	03/17/2018 03:07	WG1085804
1,2-Dibromoethane	U		0.000389	0.00113	1	03/17/2018 03:07	WG1085804
Dibromomethane	U		0.000433	0.00113	1	03/17/2018 03:07	WG1085804
1,2-Dichlorobenzene	U		0.000345	0.00113	1	03/17/2018 03:07	WG1085804
1,3-Dichlorobenzene	U		0.000271	0.00113	1	03/17/2018 03:07	WG1085804
1,4-Dichlorobenzene	U		0.000256	0.00113	1	03/17/2018 03:07	WG1085804
Dichlorodifluoromethane	U		0.000808	0.00566	1	03/17/2018 03:07	WG1085804
1,1-Dichloroethane	U		0.000225	0.00113	1	03/17/2018 03:07	WG1085804
1,2-Dichloroethane	U		0.000300	0.00113	1	03/17/2018 03:07	WG1085804
1,1-Dichloroethene	0.00768		0.000343	0.00113	1	03/17/2018 03:07	WG1085804
cis-1,2-Dichloroethene	4.37		0.0266	0.113	100	03/22/2018 15:43	WG1085804
trans-1,2-Dichloroethene	0.0117		0.000299	0.00113	1	03/17/2018 03:07	WG1085804
1,2-Dichloropropane	U		0.000406	0.00113	1	03/17/2018 03:07	WG1085804
1,1-Dichloropropene	U		0.000359	0.00113	1	03/17/2018 03:07	WG1085804
1,3-Dichloropropane	U		0.000234	0.00113	1	03/17/2018 03:07	WG1085804
cis-1,3-Dichloropropene	U		0.000297	0.00113	1	03/17/2018 03:07	WG1085804
trans-1,3-Dichloropropene	U		0.000302	0.00113	1	03/17/2018 03:07	WG1085804
trans-1,4-Dichloro-2-butene	U	J3	0.000881	0.00283	1	03/17/2018 03:07	WG1085804
2,2-Dichloropropane	U		0.000316	0.00113	1	03/17/2018 03:07	WG1085804
Di-isopropyl ether	U		0.000281	0.00113	1	03/17/2018 03:07	WG1085804
Ethylbenzene	U		0.000336	0.00113	1	03/17/2018 03:07	WG1085804
Hexachloro-1,3-butadiene	U		0.000387	0.00113	1	03/17/2018 03:07	WG1085804
2-Hexanone	U		0.00155	0.0113	1	03/17/2018 03:07	WG1085804
n-Hexane	U		0.000328	0.0113	1	03/17/2018 03:07	WG1085804
Iodomethane	U		0.00287	0.0113	1	03/17/2018 03:07	WG1085804
Isopropylbenzene	U		0.000275	0.00113	1	03/17/2018 03:07	WG1085804
p-Isopropyltoluene	U		0.000231	0.00113	1	03/17/2018 03:07	WG1085804
2-Butanone (MEK)	U		0.00530	0.0113	1	03/17/2018 03:07	WG1085804
Methylene Chloride	U		0.00113	0.00566	1	03/17/2018 03:07	WG1085804
4-Methyl-2-pentanone (MIBK)	U		0.00213	0.0113	1	03/17/2018 03:07	WG1085804

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000240	0.00113	1	03/17/2018 03:07	WG1085804
Naphthalene	U		0.00113	0.00566	1	03/17/2018 03:07	WG1085804
n-Propylbenzene	U		0.000233	0.00113	1	03/17/2018 03:07	WG1085804
Styrene	U		0.000265	0.00113	1	03/17/2018 03:07	WG1085804
1,1,1,2-Tetrachloroethane	U		0.000299	0.00113	1	03/17/2018 03:07	WG1085804
1,1,2,2-Tetrachloroethane	U		0.000413	0.00113	1	03/17/2018 03:07	WG1085804
1,1,2-Trichlorotrifluoroethane	U		0.000413	0.00113	1	03/17/2018 03:07	WG1085804
Tetrachloroethene	57.4		0.625	2.27	2000	03/22/2018 16:41	WG1085804
Toluene	0.000571	J J	0.000492	0.00566	1	03/17/2018 03:07	WG1085804
1,2,3-Trichlorobenzene	U		0.000347	0.00113	1	03/17/2018 03:07	WG1085804
1,2,4-Trichlorobenzene	U		0.000439	0.00113	1	03/17/2018 03:07	WG1085804
1,1,1-Trichloroethane	U		0.000324	0.00113	1	03/17/2018 03:07	WG1085804
1,1,2-Trichloroethane	U		0.000314	0.00113	1	03/17/2018 03:07	WG1085804
Trichloroethene	0.0545		0.000316	0.00113	1	03/17/2018 03:07	WG1085804
Trichlorofluoromethane	U		0.000433	0.00566	1	03/17/2018 03:07	WG1085804
1,2,3-Trichloropropane	U		0.000839	0.00283	1	03/17/2018 03:07	WG1085804
1,2,4-Trimethylbenzene	0.000440	J J	0.000239	0.00113	1	03/17/2018 03:07	WG1085804
1,2,3-Trimethylbenzene	U		0.000325	0.00113	1	03/17/2018 03:07	WG1085804
1,3,5-Trimethylbenzene	U		0.000301	0.00113	1	03/17/2018 03:07	WG1085804
Vinyl acetate	U		0.00271	0.0113	1	03/17/2018 03:07	WG1085804
Vinyl chloride	0.0949		0.000330	0.00113	1	03/17/2018 03:07	WG1085804
Xylenes, Total	U		0.000791	0.00340	1	03/17/2018 03:07	WG1085804
(S) Toluene-d8	*106*			*80.0-120*		*03/22/2018 16:41*	WG1085804
(S) Toluene-d8	*102*			*80.0-120*		*03/22/2018 15:43*	WG1085804
(S) Toluene-d8	*98.8*			*80.0-120*		*03/17/2018 03:07*	WG1085804
(S) Dibromofluoromethane	*96.5*			*74.0-131*		*03/22/2018 15:43*	WG1085804
(S) Dibromofluoromethane	*100*			*74.0-131*		*03/22/2018 16:41*	WG1085804
(S) Dibromofluoromethane	*106*			*74.0-131*		*03/17/2018 03:07*	WG1085804
(S) 4-Bromofluorobenzene	*108*			*64.0-132*		*03/17/2018 03:07*	WG1085804
(S) 4-Bromofluorobenzene	*85.1*			*64.0-132*		*03/22/2018 16:41*	WG1085804
(S) 4-Bromofluorobenzene	*88.0*			*64.0-132*		*03/22/2018 15:43*	WG1085804

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Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	92.4		1	03/20/2018 13:37	WG1086784

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0108	0.0541	1	03/17/2018 03:27	WG1085804
Acrylonitrile	U		0.00194	0.0108	1	03/17/2018 03:27	WG1085804
Benzene	U		0.000292	0.00108	1	03/17/2018 03:27	WG1085804
Bromobenzene	U		0.000307	0.00108	1	03/17/2018 03:27	WG1085804
Bromodichloromethane	U		0.000275	0.00108	1	03/17/2018 03:27	WG1085804
Bromochloromethane	U		0.000422	0.00541	1	03/17/2018 03:27	WG1085804
Bromoform	U		0.000459	0.00108	1	03/17/2018 03:27	WG1085804
Bromomethane	U		0.00145	0.00541	1	03/17/2018 03:27	WG1085804
n-Butylbenzene	U		0.000279	0.00108	1	03/17/2018 03:27	WG1085804
sec-Butylbenzene	U		0.000217	0.00108	1	03/17/2018 03:27	WG1085804
tert-Butylbenzene	U		0.000223	0.00108	1	03/17/2018 03:27	WG1085804
Carbon disulfide	0.000566	J J	0.000239	0.00108	1	03/17/2018 03:27	WG1085804
Carbon tetrachloride	U		0.000355	0.00108	1	03/17/2018 03:27	WG1085804
Chlorobenzene	U		0.000229	0.00108	1	03/17/2018 03:27	WG1085804
Chlorodibromomethane	U		0.000404	0.00108	1	03/17/2018 03:27	WG1085804
Chloroethane	U		0.00102	0.00541	1	03/17/2018 03:27	WG1085804
Chloroform	U		0.000248	0.00541	1	03/17/2018 03:27	WG1085804
Chloromethane	U		0.000406	0.00270	1	03/17/2018 03:27	WG1085804
2-Chlorotoluene	U		0.000326	0.00108	1	03/17/2018 03:27	WG1085804
4-Chlorotoluene	U		0.000260	0.00108	1	03/17/2018 03:27	WG1085804
1,2-Dibromo-3-Chloropropane	U		0.00114	0.00541	1	03/17/2018 03:27	WG1085804
1,2-Dibromoethane	U		0.000371	0.00108	1	03/17/2018 03:27	WG1085804
Dibromomethane	U		0.000413	0.00108	1	03/17/2018 03:27	WG1085804
1,2-Dichlorobenzene	U		0.000330	0.00108	1	03/17/2018 03:27	WG1085804
1,3-Dichlorobenzene	U		0.000259	0.00108	1	03/17/2018 03:27	WG1085804
1,4-Dichlorobenzene	U		0.000244	0.00108	1	03/17/2018 03:27	WG1085804
Dichlorodifluoromethane	U		0.000771	0.00541	1	03/17/2018 03:27	WG1085804
1,1-Dichloroethane	U		0.000215	0.00108	1	03/17/2018 03:27	WG1085804
1,2-Dichloroethane	U		0.000287	0.00108	1	03/17/2018 03:27	WG1085804
1,1-Dichloroethene	0.000946	J J	0.000328	0.00108	1	03/17/2018 03:27	WG1085804
cis-1,2-Dichloroethene	0.167		0.000254	0.00108	1	03/17/2018 03:27	WG1085804
trans-1,2-Dichloroethene	0.000850	J J	0.000286	0.00108	1	03/17/2018 03:27	WG1085804
1,2-Dichloropropane	U		0.000387	0.00108	1	03/17/2018 03:27	WG1085804
1,1-Dichloropropene	U		0.000343	0.00108	1	03/17/2018 03:27	WG1085804
1,3-Dichloropropane	U		0.000224	0.00108	1	03/17/2018 03:27	WG1085804
cis-1,3-Dichloropropene	U		0.000283	0.00108	1	03/17/2018 03:27	WG1085804
trans-1,3-Dichloropropene	U		0.000289	0.00108	1	03/17/2018 03:27	WG1085804
trans-1,4-Dichloro-2-butene	U	J3	0.000842	0.00270	1	03/17/2018 03:27	WG1085804
2,2-Dichloropropane	U		0.000302	0.00108	1	03/17/2018 03:27	WG1085804
Di-isopropyl ether	U		0.000268	0.00108	1	03/17/2018 03:27	WG1085804
Ethylbenzene	U		0.000321	0.00108	1	03/17/2018 03:27	WG1085804
Hexachloro-1,3-butadiene	U		0.000370	0.00108	1	03/17/2018 03:27	WG1085804
2-Hexanone	U		0.00148	0.0108	1	03/17/2018 03:27	WG1085804
n-Hexane	0.0102	J J	0.000314	0.0108	1	03/17/2018 03:27	WG1085804
Iodomethane	U		0.00274	0.0108	1	03/17/2018 03:27	WG1085804
Isopropylbenzene	U		0.000263	0.00108	1	03/17/2018 03:27	WG1085804
p-Isopropyltoluene	U		0.000221	0.00108	1	03/17/2018 03:27	WG1085804
2-Butanone (MEK)	U		0.00506	0.0108	1	03/17/2018 03:27	WG1085804
Methylene Chloride	U		0.00108	0.00541	1	03/17/2018 03:27	WG1085804
4-Methyl-2-pentanone (MIBK)	U		0.00203	0.0108	1	03/17/2018 03:27	WG1085804

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000229	0.00108	1	03/17/2018 03:27	WG1085804
Naphthalene	U		0.00108	0.00541	1	03/17/2018 03:27	WG1085804
n-Propylbenzene	U		0.000223	0.00108	1	03/17/2018 03:27	WG1085804
Styrene	U		0.000253	0.00108	1	03/17/2018 03:27	WG1085804
1,1,1,2-Tetrachloroethane	U		0.000286	0.00108	1	03/17/2018 03:27	WG1085804
1,1,2,2-Tetrachloroethane	U		0.000395	0.00108	1	03/17/2018 03:27	WG1085804
1,1,2-Trichlorotrifluoroethane	U		0.000395	0.00108	1	03/17/2018 03:27	WG1085804
Tetrachloroethene	3.92		0.00746	0.0270	25	03/22/2018 14:39	WG1085804
Toluene	U		0.000470	0.00541	1	03/17/2018 03:27	WG1085804
1,2,3-Trichlorobenzene	U		0.000331	0.00108	1	03/17/2018 03:27	WG1085804
1,2,4-Trichlorobenzene	U		0.000420	0.00108	1	03/17/2018 03:27	WG1085804
1,1,1-Trichloroethane	U		0.000309	0.00108	1	03/17/2018 03:27	WG1085804
1,1,2-Trichloroethane	U		0.000300	0.00108	1	03/17/2018 03:27	WG1085804
Trichloroethene	0.00733		0.000302	0.00108	1	03/17/2018 03:27	WG1085804
Trichlorofluoromethane	U		0.000413	0.00541	1	03/17/2018 03:27	WG1085804
1,2,3-Trichloropropane	U		0.000802	0.00270	1	03/17/2018 03:27	WG1085804
1,2,4-Trimethylbenzene	U		0.000228	0.00108	1	03/17/2018 03:27	WG1085804
1,2,3-Trimethylbenzene	U		0.000310	0.00108	1	03/17/2018 03:27	WG1085804
1,3,5-Trimethylbenzene	U		0.000288	0.00108	1	03/17/2018 03:27	WG1085804
Vinyl acetate	U		0.00259	0.0108	1	03/17/2018 03:27	WG1085804
Vinyl chloride	0.0100		0.000315	0.00108	1	03/17/2018 03:27	WG1085804
Xylenes, Total	U		0.000755	0.00325	1	03/17/2018 03:27	WG1085804
(S) Toluene-d8	*93.0*			*80.0-120*		*03/17/2018 03:27*	WG1085804
(S) Toluene-d8	*115*			*80.0-120*		*03/22/2018 14:39*	WG1085804
(S) Dibromofluoromethane	*112*			*74.0-131*		*03/17/2018 03:27*	WG1085804
(S) Dibromofluoromethane	*95.7*			*74.0-131*		*03/22/2018 14:39*	WG1085804
(S) 4-Bromofluorobenzene	*104*			*64.0-132*		*03/17/2018 03:27*	WG1085804
(S) 4-Bromofluorobenzene	*113*			*64.0-132*		*03/22/2018 14:39*	WG1085804

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Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	62.9		1	03/20/2018 13:37	WG1086784

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.0315	J J +	0.0172	0.0859	1.08	03/17/2018 03:47	WG1085804
Acrylonitrile	U		0.00307	0.0172	1.08	03/17/2018 03:47	WG1085804
Benzene	0.00198	J +	0.000464	0.00172	1.08	03/17/2018 03:47	WG1085804
Bromobenzene	U		0.000488	0.00172	1.08	03/17/2018 03:47	WG1085804
Bromodichloromethane	U		0.000436	0.00172	1.08	03/17/2018 03:47	WG1085804
Bromochloromethane	U		0.000669	0.00859	1.08	03/17/2018 03:47	WG1085804
Bromoform	U		0.000728	0.00172	1.08	03/17/2018 03:47	WG1085804
Bromomethane	U		0.00231	0.00859	1.08	03/17/2018 03:47	WG1085804
n-Butylbenzene	U		0.000444	0.00172	1.08	03/17/2018 03:47	WG1085804
sec-Butylbenzene	U		0.000345	0.00172	1.08	03/17/2018 03:47	WG1085804
tert-Butylbenzene	U		0.000353	0.00172	1.08	03/17/2018 03:47	WG1085804
Carbon disulfide	0.00251	J +	0.000380	0.00172	1.08	03/17/2018 03:47	WG1085804
Carbon tetrachloride	U		0.000563	0.00172	1.08	03/17/2018 03:47	WG1085804
Chlorobenzene	U		0.000364	0.00172	1.08	03/17/2018 03:47	WG1085804
Chlorodibromomethane	U		0.000641	0.00172	1.08	03/17/2018 03:47	WG1085804
Chloroethane	U		0.00162	0.00859	1.08	03/17/2018 03:47	WG1085804
Chloroform	0.00117	J J +	0.000393	0.00859	1.08	03/17/2018 03:47	WG1085804
Chloromethane	U		0.000644	0.00429	1.08	03/17/2018 03:47	WG1085804
2-Chlorotoluene	U		0.000517	0.00172	1.08	03/17/2018 03:47	WG1085804
4-Chlorotoluene	U		0.000412	0.00172	1.08	03/17/2018 03:47	WG1085804
1,2-Dibromo-3-Chloropropane	U		0.00180	0.00859	1.08	03/17/2018 03:47	WG1085804
1,2-Dibromoethane	U		0.000588	0.00172	1.08	03/17/2018 03:47	WG1085804
Dibromomethane	U		0.000655	0.00172	1.08	03/17/2018 03:47	WG1085804
1,2-Dichlorobenzene	U		0.000523	0.00172	1.08	03/17/2018 03:47	WG1085804
1,3-Dichlorobenzene	U		0.000410	0.00172	1.08	03/17/2018 03:47	WG1085804
1,4-Dichlorobenzene	U		0.000388	0.00172	1.08	03/17/2018 03:47	WG1085804
Dichlorodifluoromethane	U		0.00122	0.00859	1.08	03/17/2018 03:47	WG1085804
1,1-Dichloroethane	U		0.000342	0.00172	1.08	03/17/2018 03:47	WG1085804
1,2-Dichloroethane	U		0.000455	0.00172	1.08	03/17/2018 03:47	WG1085804
1,1-Dichloroethene	U		0.000520	0.00172	1.08	03/17/2018 03:47	WG1085804
cis-1,2-Dichloroethene	0.0338	J+	0.000404	0.00172	1.08	03/17/2018 03:47	WG1085804
trans-1,2-Dichloroethene	0.000693	J J +	0.000453	0.00172	1.08	03/17/2018 03:47	WG1085804
1,2-Dichloropropane	U		0.000615	0.00172	1.08	03/17/2018 03:47	WG1085804
1,1-Dichloropropene	U		0.000544	0.00172	1.08	03/17/2018 03:47	WG1085804
1,3-Dichloropropane	U		0.000356	0.00172	1.08	03/17/2018 03:47	WG1085804
cis-1,3-Dichloropropene	U		0.000450	0.00172	1.08	03/17/2018 03:47	WG1085804
trans-1,3-Dichloropropene	U		0.000458	0.00172	1.08	03/17/2018 03:47	WG1085804
trans-1,4-Dichloro-2-butene	U	J3	0.00134	0.00429	1.08	03/17/2018 03:47	WG1085804
2,2-Dichloropropane	U		0.000479	0.00172	1.08	03/17/2018 03:47	WG1085804
Di-isopropyl ether	U		0.000426	0.00172	1.08	03/17/2018 03:47	WG1085804
Ethylbenzene	U		0.000510	0.00172	1.08	03/17/2018 03:47	WG1085804
Hexachloro-1,3-butadiene	U		0.000587	0.00172	1.08	03/17/2018 03:47	WG1085804
2-Hexanone	U		0.00235	0.0172	1.08	03/17/2018 03:47	WG1085804
n-Hexane	0.00167	J J +	0.000498	0.0172	1.08	03/17/2018 03:47	WG1085804
Iodomethane	U		0.00434	0.0172	1.08	03/17/2018 03:47	WG1085804
Isopropylbenzene	U		0.000417	0.00172	1.08	03/17/2018 03:47	WG1085804
p-Isopropyltoluene	U		0.000350	0.00172	1.08	03/17/2018 03:47	WG1085804
2-Butanone (MEK)	0.0102	J J +	0.00803	0.0172	1.08	03/17/2018 03:47	WG1085804
Methylene Chloride	U		0.00172	0.00859	1.08	03/17/2018 03:47	WG1085804
4-Methyl-2-pentanone (MIBK)	U		0.00323	0.0172	1.08	03/17/2018 03:47	WG1085804

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000364	0.00172	1.08	03/17/2018 03:47	WG1085804
Naphthalene	0.00335	J V3 J +	0.00172	0.00859	1.08	03/17/2018 03:47	WG1085804
n-Propylbenzene	U		0.000353	0.00172	1.08	03/17/2018 03:47	WG1085804
Styrene	U		0.000402	0.00172	1.08	03/17/2018 03:47	WG1085804
1,1,1,2-Tetrachloroethane	U		0.000453	0.00172	1.08	03/17/2018 03:47	WG1085804
1,1,2,2-Tetrachloroethane	U		0.000627	0.00172	1.08	03/17/2018 03:47	WG1085804
1,1,2-Trichlorotrifluoroethane	U		0.000627	0.00172	1.08	03/17/2018 03:47	WG1085804
Tetrachloroethene	5.81		0.0110	0.0398	25	03/22/2018 15:00	WG1085804
Toluene	U		0.000746	0.00859	1.08	03/17/2018 03:47	WG1085804
1,2,3-Trichlorobenzene	U		0.000525	0.00172	1.08	03/17/2018 03:47	WG1085804
1,2,4-Trichlorobenzene	U		0.000666	0.00172	1.08	03/17/2018 03:47	WG1085804
1,1,1-Trichloroethane	U		0.000491	0.00172	1.08	03/17/2018 03:47	WG1085804
1,1,2-Trichloroethane	U		0.000475	0.00172	1.08	03/17/2018 03:47	WG1085804
Trichloroethene	0.129	J +	0.000479	0.00172	1.08	03/17/2018 03:47	WG1085804
Trichlorofluoromethane	U		0.000655	0.00859	1.08	03/17/2018 03:47	WG1085804
1,2,3-Trichloropropane	U		0.00127	0.00429	1.08	03/17/2018 03:47	WG1085804
1,2,4-Trimethylbenzene	0.000378	J V3 J +	0.000363	0.00172	1.08	03/17/2018 03:47	WG1085804
1,2,3-Trimethylbenzene	U		0.000493	0.00172	1.08	03/17/2018 03:47	WG1085804
1,3,5-Trimethylbenzene	U		0.000456	0.00172	1.08	03/17/2018 03:47	WG1085804
Vinyl acetate	U		0.00410	0.0172	1.08	03/17/2018 03:47	WG1085804
Vinyl chloride	0.00182	J +	0.000499	0.00172	1.08	03/17/2018 03:47	WG1085804
Xylenes, Total	U		0.00120	0.00515	1.08	03/17/2018 03:47	WG1085804
(S) Toluene-d8	*111*			*80.0-120*		*03/22/2018 15:00*	WG1085804
(S) Toluene-d8	*90.8*			*80.0-120*		*03/17/2018 03:47*	WG1085804
(S) Dibromofluoromethane	*122*			*74.0-131*		*03/17/2018 03:47*	WG1085804
(S) Dibromofluoromethane	*98.2*			*74.0-131*		*03/22/2018 15:00*	WG1085804
(S) 4-Bromofluorobenzene	*120*			*64.0-132*		*03/17/2018 03:47*	WG1085804
(S) 4-Bromofluorobenzene	*118*			*64.0-132*		*03/22/2018 15:00*	WG1085804

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IW-8C-10

Collected date/time: 03/14/18 09:05

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L977743

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	57.8		1	03/20/2018 13:24	WG1086785

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.0564	J J0 J	0.0173	0.0865	1	03/22/2018 14:44	WG1085804
Acrylonitrile	U		0.00310	0.0173	1	03/22/2018 14:44	WG1085804
Benzene	0.00277		0.000467	0.00173	1	03/22/2018 14:44	WG1085804
Bromobenzene	U		0.000491	0.00173	1	03/22/2018 14:44	WG1085804
Bromodichloromethane	U		0.000439	0.00173	1	03/22/2018 14:44	WG1085804
Bromochloromethane	U		0.000675	0.00865	1	03/22/2018 14:44	WG1085804
Bromoform	U		0.000733	0.00173	1	03/22/2018 14:44	WG1085804
Bromomethane	U	J0 UJ	0.00232	0.00865	1	03/22/2018 14:44	WG1085804
n-Butylbenzene	U		0.000446	0.00173	1	03/22/2018 14:44	WG1085804
sec-Butylbenzene	U		0.000348	0.00173	1	03/22/2018 14:44	WG1085804
tert-Butylbenzene	U		0.000356	0.00173	1	03/22/2018 14:44	WG1085804
Carbon disulfide	0.00288		0.000382	0.00173	1	03/22/2018 14:44	WG1085804
Carbon tetrachloride	U		0.000567	0.00173	1	03/22/2018 14:44	WG1085804
Chlorobenzene	U		0.000367	0.00173	1	03/22/2018 14:44	WG1085804
Chlorodibromomethane	U		0.000645	0.00173	1	03/22/2018 14:44	WG1085804
Chloroethane	U		0.00164	0.00865	1	03/22/2018 14:44	WG1085804
Chloroform	U		0.000396	0.00865	1	03/22/2018 14:44	WG1085804
Chloromethane	U	J0 UJ	0.000649	0.00432	1	03/22/2018 14:44	WG1085804
2-Chlorotoluene	U		0.000521	0.00173	1	03/22/2018 14:44	WG1085804
4-Chlorotoluene	U		0.000415	0.00173	1	03/22/2018 14:44	WG1085804
1,2-Dibromo-3-Chloropropane	U		0.00182	0.00865	1	03/22/2018 14:44	WG1085804
1,2-Dibromoethane	U		0.000593	0.00173	1	03/22/2018 14:44	WG1085804
Dibromomethane	U		0.000661	0.00173	1	03/22/2018 14:44	WG1085804
1,2-Dichlorobenzene	U		0.000528	0.00173	1	03/22/2018 14:44	WG1085804
1,3-Dichlorobenzene	U		0.000413	0.00173	1	03/22/2018 14:44	WG1085804
1,4-Dichlorobenzene	U		0.000391	0.00173	1	03/22/2018 14:44	WG1085804
Dichlorodifluoromethane	U	J0 UJ	0.00123	0.00865	1	03/22/2018 14:44	WG1085804
1,1-Dichloroethane	U	J0 UJ	0.000344	0.00173	1	03/22/2018 14:44	WG1085804
1,2-Dichloroethane	U		0.000458	0.00173	1	03/22/2018 14:44	WG1085804
1,1-Dichloroethene	U		0.000524	0.00173	1	03/22/2018 14:44	WG1085804
cis-1,2-Dichloroethene	0.0112		0.000406	0.00173	1	03/22/2018 14:44	WG1085804
trans-1,2-Dichloroethene	0.00192		0.000457	0.00173	1	03/22/2018 14:44	WG1085804
1,2-Dichloropropane	U		0.000619	0.00173	1	03/22/2018 14:44	WG1085804
1,1-Dichloropropene	U		0.000548	0.00173	1	03/22/2018 14:44	WG1085804
1,3-Dichloropropane	U		0.000358	0.00173	1	03/22/2018 14:44	WG1085804
cis-1,3-Dichloropropene	U		0.000453	0.00173	1	03/22/2018 14:44	WG1085804
trans-1,3-Dichloropropene	U		0.000462	0.00173	1	03/22/2018 14:44	WG1085804
trans-1,4-Dichloro-2-butene	U	J3	0.00135	0.00432	1	03/22/2018 14:44	WG1085804
2,2-Dichloropropane	U	J0 UJ	0.000483	0.00173	1	03/22/2018 14:44	WG1085804
Di-isopropyl ether	U		0.000429	0.00173	1	03/22/2018 14:44	WG1085804
Ethylbenzene	U		0.000514	0.00173	1	03/22/2018 14:44	WG1085804
Hexachloro-1,3-butadiene	U		0.000592	0.00173	1	03/22/2018 14:44	WG1085804
2-Hexanone	U		0.00237	0.0173	1	03/22/2018 14:44	WG1085804
n-Hexane	0.00234	J J0 UJ	0.000502	0.0173	1	03/22/2018 14:44	WG1085804
Iodomethane	U		0.00438	0.0173	1	03/22/2018 14:44	WG1085804
Isopropylbenzene	U		0.000420	0.00173	1	03/22/2018 14:44	WG1085804
p-Isopropyltoluene	0.00176		0.000353	0.00173	1	03/22/2018 14:44	WG1085804
2-Butanone (MEK)	0.0197	J0 UJ	0.00810	0.0173	1	03/22/2018 14:44	WG1085804
Methylene Chloride	U		0.00173	0.00865	1	03/22/2018 14:44	WG1085804
4-Methyl-2-pentanone (MIBK)	U		0.00325	0.0173	1	03/22/2018 14:44	WG1085804

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000367	0.00173	1	03/22/2018 14:44	WG1085804
Naphthalene	U		0.00173	0.00865	1	03/22/2018 14:44	WG1085804
n-Propylbenzene	U		0.000356	0.00173	1	03/22/2018 14:44	WG1085804
Styrene	U		0.000405	0.00173	1	03/22/2018 14:44	WG1085804
1,1,1,2-Tetrachloroethane	U		0.000457	0.00173	1	03/22/2018 14:44	WG1085804
1,1,2,2-Tetrachloroethane	U		0.000631	0.00173	1	03/22/2018 14:44	WG1085804
1,1,2-Trichlorotrifluoroethane	U		0.000631	0.00173	1	03/22/2018 14:44	WG1085804
Tetrachloroethene	0.0394		0.000477	0.00173	1	03/22/2018 14:44	WG1085804
Toluene	0.00153	J J	0.000751	0.00865	1	03/22/2018 14:44	WG1085804
1,2,3-Trichlorobenzene	U		0.000529	0.00173	1	03/22/2018 14:44	WG1085804
1,2,4-Trichlorobenzene	U		0.000671	0.00173	1	03/22/2018 14:44	WG1085804
1,1,1-Trichloroethane	U		0.000495	0.00173	1	03/22/2018 14:44	WG1085804
1,1,2-Trichloroethane	U		0.000479	0.00173	1	03/22/2018 14:44	WG1085804
Trichloroethene	0.00705		0.000483	0.00173	1	03/22/2018 14:44	WG1085804
Trichlorofluoromethane	U		0.000661	0.00865	1	03/22/2018 14:44	WG1085804
1,2,3-Trichloropropane	U		0.00128	0.00432	1	03/22/2018 14:44	WG1085804
1,2,4-Trimethylbenzene	0.000832	J J	0.000365	0.00173	1	03/22/2018 14:44	WG1085804
1,2,3-Trimethylbenzene	0.000825	J J	0.000496	0.00173	1	03/22/2018 14:44	WG1085804
1,3,5-Trimethylbenzene	U		0.000460	0.00173	1	03/22/2018 14:44	WG1085804
Vinyl acetate	U		0.00413	0.0173	1	03/22/2018 14:44	WG1085804
Vinyl chloride	0.00710		0.000503	0.00173	1	03/22/2018 14:44	WG1085804
Xylenes, Total	0.00122	J J	0.00121	0.00519	1	03/22/2018 14:44	WG1085804
(S) Toluene-d8	*96.6*			*80.0-120*		*03/22/2018 14:44*	WG1085804
(S) Dibromofluoromethane	*109*			*74.0-131*		*03/22/2018 14:44*	WG1085804
(S) 4-Bromofluorobenzene	*106*			*64.0-132*		*03/22/2018 14:44*	WG1085804

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Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	89.9		1	03/20/2018 13:24	WG1086785

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0118	0.0589	1.06	03/17/2018 04:07	WG1085804
Acrylonitrile	U		0.00211	0.0118	1.06	03/17/2018 04:07	WG1085804
Benzene	U		0.000318	0.00118	1.06	03/17/2018 04:07	WG1085804
Bromobenzene	U		0.000335	0.00118	1.06	03/17/2018 04:07	WG1085804
Bromodichloromethane	U		0.000299	0.00118	1.06	03/17/2018 04:07	WG1085804
Bromochloromethane	U		0.000459	0.00589	1.06	03/17/2018 04:07	WG1085804
Bromoform	U		0.000499	0.00118	1.06	03/17/2018 04:07	WG1085804
Bromomethane	U		0.00158	0.00589	1.06	03/17/2018 04:07	WG1085804
n-Butylbenzene	U		0.000304	0.00118	1.06	03/17/2018 04:07	WG1085804
sec-Butylbenzene	U		0.000237	0.00118	1.06	03/17/2018 04:07	WG1085804
tert-Butylbenzene	U		0.000242	0.00118	1.06	03/17/2018 04:07	WG1085804
Carbon disulfide	U		0.000260	0.00118	1.06	03/17/2018 04:07	WG1085804
Carbon tetrachloride	U		0.000387	0.00118	1.06	03/17/2018 04:07	WG1085804
Chlorobenzene	U		0.000250	0.00118	1.06	03/17/2018 04:07	WG1085804
Chlorodibromomethane	U		0.000439	0.00118	1.06	03/17/2018 04:07	WG1085804
Chloroethane	U		0.00111	0.00589	1.06	03/17/2018 04:07	WG1085804
Chloroform	U		0.000270	0.00589	1.06	03/17/2018 04:07	WG1085804
Chloromethane	U		0.000442	0.00295	1.06	03/17/2018 04:07	WG1085804
2-Chlorotoluene	U		0.000355	0.00118	1.06	03/17/2018 04:07	WG1085804
4-Chlorotoluene	U		0.000282	0.00118	1.06	03/17/2018 04:07	WG1085804
1,2-Dibromo-3-Chloropropane	U		0.00123	0.00589	1.06	03/17/2018 04:07	WG1085804
1,2-Dibromoethane	U		0.000405	0.00118	1.06	03/17/2018 04:07	WG1085804
Dibromomethane	U		0.000450	0.00118	1.06	03/17/2018 04:07	WG1085804
1,2-Dichlorobenzene	U		0.000359	0.00118	1.06	03/17/2018 04:07	WG1085804
1,3-Dichlorobenzene	U		0.000281	0.00118	1.06	03/17/2018 04:07	WG1085804
1,4-Dichlorobenzene	U		0.000267	0.00118	1.06	03/17/2018 04:07	WG1085804
Dichlorodifluoromethane	U		0.000840	0.00589	1.06	03/17/2018 04:07	WG1085804
1,1-Dichloroethane	U		0.000235	0.00118	1.06	03/17/2018 04:07	WG1085804
1,2-Dichloroethane	U		0.000312	0.00118	1.06	03/17/2018 04:07	WG1085804
1,1-Dichloroethene	U		0.000357	0.00118	1.06	03/17/2018 04:07	WG1085804
cis-1,2-Dichloroethene	0.000359	J J	0.000261	0.00111	1	03/22/2018 15:04	WG1085804
trans-1,2-Dichloroethene	U		0.000311	0.00118	1.06	03/17/2018 04:07	WG1085804
1,2-Dichloropropane	U		0.000421	0.00118	1.06	03/17/2018 04:07	WG1085804
1,1-Dichloropropene	U		0.000374	0.00118	1.06	03/17/2018 04:07	WG1085804
1,3-Dichloropropane	U		0.000243	0.00118	1.06	03/17/2018 04:07	WG1085804
cis-1,3-Dichloropropene	U		0.000309	0.00118	1.06	03/17/2018 04:07	WG1085804
trans-1,3-Dichloropropene	U		0.000315	0.00118	1.06	03/17/2018 04:07	WG1085804
trans-1,4-Dichloro-2-butene	U	J3	0.000917	0.00295	1.06	03/17/2018 04:07	WG1085804
2,2-Dichloropropane	U		0.000329	0.00118	1.06	03/17/2018 04:07	WG1085804
Di-isopropyl ether	U		0.000292	0.00118	1.06	03/17/2018 04:07	WG1085804
Ethylbenzene	U		0.000350	0.00118	1.06	03/17/2018 04:07	WG1085804
Hexachloro-1,3-butadiene	U		0.000402	0.00118	1.06	03/17/2018 04:07	WG1085804
2-Hexanone	U		0.00161	0.0118	1.06	03/17/2018 04:07	WG1085804
n-Hexane	U		0.000341	0.0118	1.06	03/17/2018 04:07	WG1085804
Iodomethane	U		0.00298	0.0118	1.06	03/17/2018 04:07	WG1085804
Isopropylbenzene	U		0.000287	0.00118	1.06	03/17/2018 04:07	WG1085804
p-Isopropyltoluene	U		0.000240	0.00118	1.06	03/17/2018 04:07	WG1085804
2-Butanone (MEK)	U		0.00551	0.0118	1.06	03/17/2018 04:07	WG1085804
Methylene Chloride	U		0.00118	0.00589	1.06	03/17/2018 04:07	WG1085804
4-Methyl-2-pentanone (MIBK)	U		0.00221	0.0118	1.06	03/17/2018 04:07	WG1085804

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000250	0.00118	1.06	03/17/2018 04:07	WG1085804
Naphthalene	U		0.00118	0.00589	1.06	03/17/2018 04:07	WG1085804
n-Propylbenzene	U		0.000242	0.00118	1.06	03/17/2018 04:07	WG1085804
Styrene	U		0.000276	0.00118	1.06	03/17/2018 04:07	WG1085804
1,1,1,2-Tetrachloroethane	U		0.000311	0.00118	1.06	03/17/2018 04:07	WG1085804
1,1,2,2-Tetrachloroethane	U		0.000430	0.00118	1.06	03/17/2018 04:07	WG1085804
1,1,2-Trichlorotrifluoroethane	U		0.000430	0.00118	1.06	03/17/2018 04:07	WG1085804
Tetrachloroethene	0.000583	J J	0.000307	0.00111	1	03/22/2018 15:04	WG1085804
Toluene	U		0.000511	0.00589	1.06	03/17/2018 04:07	WG1085804
1,2,3-Trichlorobenzene	U		0.000360	0.00118	1.06	03/17/2018 04:07	WG1085804
1,2,4-Trichlorobenzene	U		0.000457	0.00118	1.06	03/17/2018 04:07	WG1085804
1,1,1-Trichloroethane	U		0.000337	0.00118	1.06	03/17/2018 04:07	WG1085804
1,1,2-Trichloroethane	U		0.000327	0.00118	1.06	03/17/2018 04:07	WG1085804
Trichloroethene	U		0.000329	0.00118	1.06	03/17/2018 04:07	WG1085804
Trichlorofluoromethane	U		0.000450	0.00589	1.06	03/17/2018 04:07	WG1085804
1,2,3-Trichloropropane	U		0.000873	0.00295	1.06	03/17/2018 04:07	WG1085804
1,2,4-Trimethylbenzene	U		0.000249	0.00118	1.06	03/17/2018 04:07	WG1085804
1,2,3-Trimethylbenzene	U		0.000338	0.00118	1.06	03/17/2018 04:07	WG1085804
1,3,5-Trimethylbenzene	U		0.000314	0.00118	1.06	03/17/2018 04:07	WG1085804
Vinyl acetate	U		0.00281	0.0118	1.06	03/17/2018 04:07	WG1085804
Vinyl chloride	U		0.000342	0.00118	1.06	03/17/2018 04:07	WG1085804
Xylenes, Total	U		0.000823	0.00354	1.06	03/17/2018 04:07	WG1085804
(S) Toluene-d8	*96.7*			*80.0-120*		*03/17/2018 04:07*	WG1085804
(S) Toluene-d8	*98.3*			*80.0-120*		*03/22/2018 15:04*	WG1085804
(S) Dibromofluoromethane	*111*			*74.0-131*		*03/17/2018 04:07*	WG1085804
(S) Dibromofluoromethane	*101*			*74.0-131*		*03/22/2018 15:04*	WG1085804
(S) 4-Bromofluorobenzene	*90.0*			*64.0-132*		*03/22/2018 15:04*	WG1085804
(S) 4-Bromofluorobenzene	*97.7*			*64.0-132*		*03/17/2018 04:07*	WG1085804

JC 4/12/18

IW-8C-20

Collected date/time: 03/14/18 09:30

SAMPLE RESULTS - 17

L977743

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	92.7		1	03/20/2018 13:24	WG1086785

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0108	0.0539	1	03/17/2018 04:27	WG1085804
Acrylonitrile	U		0.00193	0.0108	1	03/17/2018 04:27	WG1085804
Benzene	U		0.000291	0.00108	1	03/17/2018 04:27	WG1085804
Bromobenzene	U		0.000306	0.00108	1	03/17/2018 04:27	WG1085804
Bromodichloromethane	U		0.000274	0.00108	1	03/17/2018 04:27	WG1085804
Bromochloromethane	U		0.000421	0.00539	1	03/17/2018 04:27	WG1085804
Bromoform	U		0.000457	0.00108	1	03/17/2018 04:27	WG1085804
Bromomethane	U		0.00145	0.00539	1	03/17/2018 04:27	WG1085804
n-Butylbenzene	U		0.000278	0.00108	1	03/17/2018 04:27	WG1085804
sec-Butylbenzene	U		0.000217	0.00108	1	03/17/2018 04:27	WG1085804
tert-Butylbenzene	U		0.000222	0.00108	1	03/17/2018 04:27	WG1085804
Carbon disulfide	U		0.000238	0.00108	1	03/17/2018 04:27	WG1085804
Carbon tetrachloride	U		0.000354	0.00108	1	03/17/2018 04:27	WG1085804
Chlorobenzene	U		0.000229	0.00108	1	03/17/2018 04:27	WG1085804
Chlorodibromomethane	U		0.000402	0.00108	1	03/17/2018 04:27	WG1085804
Chloroethane	U		0.00102	0.00539	1	03/17/2018 04:27	WG1085804
Chloroform	U		0.000247	0.00539	1	03/17/2018 04:27	WG1085804
Chloromethane	U		0.000404	0.00270	1	03/17/2018 04:27	WG1085804
2-Chlorotoluene	U		0.000325	0.00108	1	03/17/2018 04:27	WG1085804
4-Chlorotoluene	U		0.000259	0.00108	1	03/17/2018 04:27	WG1085804
1,2-Dibromo-3-Chloropropane	U		0.00113	0.00539	1	03/17/2018 04:27	WG1085804
1,2-Dibromoethane	U		0.000370	0.00108	1	03/17/2018 04:27	WG1085804
Dibromomethane	U		0.000412	0.00108	1	03/17/2018 04:27	WG1085804
1,2-Dichlorobenzene	U		0.000329	0.00108	1	03/17/2018 04:27	WG1085804
1,3-Dichlorobenzene	U		0.000258	0.00108	1	03/17/2018 04:27	WG1085804
1,4-Dichlorobenzene	U		0.000244	0.00108	1	03/17/2018 04:27	WG1085804
Dichlorodifluoromethane	U		0.000769	0.00539	1	03/17/2018 04:27	WG1085804
1,1-Dichloroethane	U		0.000215	0.00108	1	03/17/2018 04:27	WG1085804
1,2-Dichloroethane	U		0.000286	0.00108	1	03/17/2018 04:27	WG1085804
1,1-Dichloroethene	U		0.000327	0.00108	1	03/17/2018 04:27	WG1085804
cis-1,2-Dichloroethene	0.0108		0.000253	0.00108	1	03/17/2018 04:27	WG1085804
trans-1,2-Dichloroethene	U		0.000285	0.00108	1	03/17/2018 04:27	WG1085804
1,2-Dichloropropane	U		0.000386	0.00108	1	03/17/2018 04:27	WG1085804
1,1-Dichloropropene	U		0.000342	0.00108	1	03/17/2018 04:27	WG1085804
1,3-Dichloropropane	U		0.000223	0.00108	1	03/17/2018 04:27	WG1085804
cis-1,3-Dichloropropene	U		0.000283	0.00108	1	03/17/2018 04:27	WG1085804
trans-1,3-Dichloropropene	U		0.000288	0.00108	1	03/17/2018 04:27	WG1085804
trans-1,4-Dichloro-2-butene	U	J3	0.000839	0.00270	1	03/17/2018 04:27	WG1085804
2,2-Dichloropropane	U		0.000301	0.00108	1	03/17/2018 04:27	WG1085804
Di-isopropyl ether	U		0.000267	0.00108	1	03/17/2018 04:27	WG1085804
Ethylbenzene	U		0.000320	0.00108	1	03/17/2018 04:27	WG1085804
Hexachloro-1,3-butadiene	U		0.000369	0.00108	1	03/17/2018 04:27	WG1085804
2-Hexanone	U		0.00148	0.0108	1	03/17/2018 04:27	WG1085804
n-Hexane	U		0.000313	0.0108	1	03/17/2018 04:27	WG1085804
Iodomethane	U		0.00273	0.0108	1	03/17/2018 04:27	WG1085804
Isopropylbenzene	U		0.000262	0.00108	1	03/17/2018 04:27	WG1085804
p-Isopropyltoluene	U		0.000220	0.00108	1	03/17/2018 04:27	WG1085804
2-Butanone (MEK)	U		0.00505	0.0108	1	03/17/2018 04:27	WG1085804
Methylene Chloride	U		0.00108	0.00539	1	03/17/2018 04:27	WG1085804
4-Methyl-2-pentanone (MIBK)	U		0.00203	0.0108	1	03/17/2018 04:27	WG1085804

JC 4/12/18

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000229	0.00108	1	03/17/2018 04:27	WG1085804
Naphthalene	U		0.00108	0.00539	1	03/17/2018 04:27	WG1085804
n-Propylbenzene	U		0.000222	0.00108	1	03/17/2018 04:27	WG1085804
Styrene	U		0.000252	0.00108	1	03/17/2018 04:27	WG1085804
1,1,1,2-Tetrachloroethane	U		0.000285	0.00108	1	03/17/2018 04:27	WG1085804
1,1,2,2-Tetrachloroethane	U		0.000394	0.00108	1	03/17/2018 04:27	WG1085804
1,1,2-Trichlorotrifluoroethane	U		0.000394	0.00108	1	03/17/2018 04:27	WG1085804
Tetrachloroethene	0.00474		0.000298	0.00108	1	03/17/2018 04:27	WG1085804
Toluene	U		0.000468	0.00539	1	03/17/2018 04:27	WG1085804
1,2,3-Trichlorobenzene	U		0.000330	0.00108	1	03/17/2018 04:27	WG1085804
1,2,4-Trichlorobenzene	U		0.000418	0.00108	1	03/17/2018 04:27	WG1085804
1,1,1-Trichloroethane	U		0.000308	0.00108	1	03/17/2018 04:27	WG1085804
1,1,2-Trichloroethane	U		0.000299	0.00108	1	03/17/2018 04:27	WG1085804
Trichloroethene	0.000938	J J	0.000301	0.00108	1	03/17/2018 04:27	WG1085804
Trichlorofluoromethane	U		0.000412	0.00539	1	03/17/2018 04:27	WG1085804
1,2,3-Trichloropropane	U		0.000799	0.00270	1	03/17/2018 04:27	WG1085804
1,2,4-Trimethylbenzene	U		0.000228	0.00108	1	03/17/2018 04:27	WG1085804
1,2,3-Trimethylbenzene	U		0.000310	0.00108	1	03/17/2018 04:27	WG1085804
1,3,5-Trimethylbenzene	U		0.000287	0.00108	1	03/17/2018 04:27	WG1085804
Vinyl acetate	U		0.00258	0.0108	1	03/17/2018 04:27	WG1085804
Vinyl chloride	0.00100	J J	0.000314	0.00108	1	03/17/2018 04:27	WG1085804
Xylenes, Total	U		0.000753	0.00324	1	03/17/2018 04:27	WG1085804
(S) Toluene-d8	*97.0*			*80.0-120*		*03/17/2018 04:27*	WG1085804
(S) Dibromofluoromethane	*111*			*74.0-131*		*03/17/2018 04:27*	WG1085804
(S) 4-Bromofluorobenzene	*98.8*			*64.0-132*		*03/17/2018 04:27*	WG1085804

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

JC 4/12/18

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	84.0		1	03/20/2018 13:24	WG1086785

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0119	0.0595	1	03/17/2018 04:47	WG1085804
Acrylonitrile	U		0.00213	0.0119	1	03/17/2018 04:47	WG1085804
Benzene	U		0.000321	0.00119	1	03/17/2018 04:47	WG1085804
Bromobenzene	U		0.000338	0.00119	1	03/17/2018 04:47	WG1085804
Bromodichloromethane	U		0.000302	0.00119	1	03/17/2018 04:47	WG1085804
Bromochloromethane	U		0.000464	0.00595	1	03/17/2018 04:47	WG1085804
Bromoform	U		0.000505	0.00119	1	03/17/2018 04:47	WG1085804
Bromomethane	U		0.00160	0.00595	1	03/17/2018 04:47	WG1085804
n-Butylbenzene	U		0.000307	0.00119	1	03/17/2018 04:47	WG1085804
sec-Butylbenzene	U		0.000239	0.00119	1	03/17/2018 04:47	WG1085804
tert-Butylbenzene	U		0.000245	0.00119	1	03/17/2018 04:47	WG1085804
Carbon disulfide	U		0.000263	0.00119	1	03/17/2018 04:47	WG1085804
Carbon tetrachloride	U		0.000390	0.00119	1	03/17/2018 04:47	WG1085804
Chlorobenzene	U		0.000252	0.00119	1	03/17/2018 04:47	WG1085804
Chlorodibromomethane	U		0.000444	0.00119	1	03/17/2018 04:47	WG1085804
Chloroethane	0.00124	J J	0.00113	0.00595	1	03/17/2018 04:47	WG1085804
Chloroform	U		0.000273	0.00595	1	03/17/2018 04:47	WG1085804
Chloromethane	U		0.000446	0.00298	1	03/17/2018 04:47	WG1085804
2-Chlorotoluene	U		0.000358	0.00119	1	03/17/2018 04:47	WG1085804
4-Chlorotoluene	U		0.000286	0.00119	1	03/17/2018 04:47	WG1085804
1,2-Dibromo-3-Chloropropane	U		0.00125	0.00595	1	03/17/2018 04:47	WG1085804
1,2-Dibromoethane	U		0.000408	0.00119	1	03/17/2018 04:47	WG1085804
Dibromomethane	U		0.000455	0.00119	1	03/17/2018 04:47	WG1085804
1,2-Dichlorobenzene	U		0.000363	0.00119	1	03/17/2018 04:47	WG1085804
1,3-Dichlorobenzene	U		0.000285	0.00119	1	03/17/2018 04:47	WG1085804
1,4-Dichlorobenzene	U		0.000269	0.00119	1	03/17/2018 04:47	WG1085804
Dichlorodifluoromethane	U		0.000849	0.00595	1	03/17/2018 04:47	WG1085804
1,1-Dichloroethane	U		0.000237	0.00119	1	03/17/2018 04:47	WG1085804
1,2-Dichloroethane	U		0.000315	0.00119	1	03/17/2018 04:47	WG1085804
1,1-Dichloroethene	0.00196		0.000361	0.00119	1	03/17/2018 04:47	WG1085804
cis-1,2-Dichloroethene	0.946		0.0140	0.0595	50	03/22/2018 15:31	WG1085804
trans-1,2-Dichloroethene	0.00231		0.000314	0.00119	1	03/17/2018 04:47	WG1085804
1,2-Dichloropropane	U		0.000426	0.00119	1	03/17/2018 04:47	WG1085804
1,1-Dichloropropene	U		0.000377	0.00119	1	03/17/2018 04:47	WG1085804
1,3-Dichloropropane	U		0.000246	0.00119	1	03/17/2018 04:47	WG1085804
cis-1,3-Dichloropropene	U		0.000312	0.00119	1	03/17/2018 04:47	WG1085804
trans-1,3-Dichloropropene	U		0.000318	0.00119	1	03/17/2018 04:47	WG1085804
trans-1,4-Dichloro-2-butene	U	J3	0.000926	0.00298	1	03/17/2018 04:47	WG1085804
2,2-Dichloropropane	U		0.000332	0.00119	1	03/17/2018 04:47	WG1085804
Di-isopropyl ether	U		0.000295	0.00119	1	03/17/2018 04:47	WG1085804
Ethylbenzene	U		0.000354	0.00119	1	03/17/2018 04:47	WG1085804
Hexachloro-1,3-butadiene	U		0.000407	0.00119	1	03/17/2018 04:47	WG1085804
2-Hexanone	U		0.00163	0.0119	1	03/17/2018 04:47	WG1085804
n-Hexane	U		0.000345	0.0119	1	03/17/2018 04:47	WG1085804
Iodomethane	U		0.00301	0.0119	1	03/17/2018 04:47	WG1085804
Isopropylbenzene	U		0.000289	0.00119	1	03/17/2018 04:47	WG1085804
p-Isopropyltoluene	U		0.000243	0.00119	1	03/17/2018 04:47	WG1085804
2-Butanone (MEK)	U		0.00557	0.0119	1	03/17/2018 04:47	WG1085804
Methylene Chloride	U		0.00119	0.00595	1	03/17/2018 04:47	WG1085804
4-Methyl-2-pentanone (MIBK)	U		0.00224	0.0119	1	03/17/2018 04:47	WG1085804

JC 4/12/18

IW-8C-25
Collected date/time: 03/14/18 09:41

SAMPLE RESULTS - 18

L977743

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000252	0.00119	1	03/17/2018 04:47	WG1085804
Naphthalene	U		0.00119	0.00595	1	03/17/2018 04:47	WG1085804
n-Propylbenzene	U		0.000245	0.00119	1	03/17/2018 04:47	WG1085804
Styrene	U		0.000279	0.00119	1	03/17/2018 04:47	WG1085804
1,1,1,2-Tetrachloroethane	U		0.000314	0.00119	1	03/17/2018 04:47	WG1085804
1,1,2,2-Tetrachloroethane	U		0.000435	0.00119	1	03/17/2018 04:47	WG1085804
1,1,2-Trichlorotrifluoroethane	U		0.000435	0.00119	1	03/17/2018 04:47	WG1085804
Tetrachloroethene	5.39		0.0164	0.0595	50	03/22/2018 15:31	WG1085804
Toluene	U		0.000517	0.00595	1	03/17/2018 04:47	WG1085804
1,2,3-Trichlorobenzene	U		0.000364	0.00119	1	03/17/2018 04:47	WG1085804
1,2,4-Trichlorobenzene	U		0.000462	0.00119	1	03/17/2018 04:47	WG1085804
1,1,1-Trichloroethane	U		0.000340	0.00119	1	03/17/2018 04:47	WG1085804
1,1,2-Trichloroethane	U		0.000330	0.00119	1	03/17/2018 04:47	WG1085804
Trichloroethene	0.768		0.0167	0.0595	50	03/22/2018 15:31	WG1085804
Trichlorofluoromethane	U		0.000455	0.00595	1	03/17/2018 04:47	WG1085804
1,2,3-Trichloropropane	U		0.000882	0.00298	1	03/17/2018 04:47	WG1085804
1,2,4-Trimethylbenzene	U		0.000251	0.00119	1	03/17/2018 04:47	WG1085804
1,2,3-Trimethylbenzene	U		0.000342	0.00119	1	03/17/2018 04:47	WG1085804
1,3,5-Trimethylbenzene	U		0.000317	0.00119	1	03/17/2018 04:47	WG1085804
Vinyl acetate	U		0.00285	0.0119	1	03/17/2018 04:47	WG1085804
Vinyl chloride	0.0426		0.000346	0.00119	1	03/17/2018 04:47	WG1085804
Xylenes, Total	U		0.000831	0.00357	1	03/17/2018 04:47	WG1085804
(S) Toluene-d8	*116*			*80.0-120*		*03/22/2018 15:31*	WG1085804
(S) Toluene-d8	*95.8*			*80.0-120*		*03/17/2018 04:47*	WG1085804
(S) Dibromofluoromethane	*109*			*74.0-131*		*03/17/2018 04:47*	WG1085804
(S) Dibromofluoromethane	*96.1*			*74.0-131*		*03/22/2018 15:31*	WG1085804
(S) 4-Bromofluorobenzene	*92.9*			*64.0-132*		*03/22/2018 15:31*	WG1085804
(S) 4-Bromofluorobenzene	*100*			*64.0-132*		*03/17/2018 04:47*	WG1085804

JC 4/12/18

IW-8C-30

Collected date/time: 03/14/18 09:50

SAMPLE RESULTS - 19

L977743

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	90.4		1	03/20/2018 13:24	WG1086785

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0111	0.0553	1	03/17/2018 05:06	WG1085804
Acrylonitrile	U		0.00198	0.0111	1	03/17/2018 05:06	WG1085804
Benzene	U		0.000299	0.00111	1	03/17/2018 05:06	WG1085804
Bromobenzene	U		0.000314	0.00111	1	03/17/2018 05:06	WG1085804
Bromodichloromethane	U		0.000281	0.00111	1	03/17/2018 05:06	WG1085804
Bromochloromethane	U		0.000431	0.00553	1	03/17/2018 05:06	WG1085804
Bromoform	U		0.000469	0.00111	1	03/17/2018 05:06	WG1085804
Bromomethane	U		0.00148	0.00553	1	03/17/2018 05:06	WG1085804
n-Butylbenzene	U		0.000285	0.00111	1	03/17/2018 05:06	WG1085804
sec-Butylbenzene	U		0.000222	0.00111	1	03/17/2018 05:06	WG1085804
tert-Butylbenzene	U		0.000228	0.00111	1	03/17/2018 05:06	WG1085804
Carbon disulfide	0.000657	J J	0.000245	0.00111	1	03/17/2018 05:06	WG1085804
Carbon tetrachloride	U		0.000363	0.00111	1	03/17/2018 05:06	WG1085804
Chlorobenzene	U		0.000235	0.00111	1	03/17/2018 05:06	WG1085804
Chlorodibromomethane	U		0.000413	0.00111	1	03/17/2018 05:06	WG1085804
Chloroethane	U		0.00105	0.00553	1	03/17/2018 05:06	WG1085804
Chloroform	U		0.000253	0.00553	1	03/17/2018 05:06	WG1085804
Chloromethane	U		0.000415	0.00277	1	03/17/2018 05:06	WG1085804
2-Chlorotoluene	U		0.000333	0.00111	1	03/17/2018 05:06	WG1085804
4-Chlorotoluene	U		0.000266	0.00111	1	03/17/2018 05:06	WG1085804
1,2-Dibromo-3-Chloropropane	U		0.00116	0.00553	1	03/17/2018 05:06	WG1085804
1,2-Dibromoethane	U		0.000379	0.00111	1	03/17/2018 05:06	WG1085804
Dibromomethane	U		0.000423	0.00111	1	03/17/2018 05:06	WG1085804
1,2-Dichlorobenzene	U		0.000337	0.00111	1	03/17/2018 05:06	WG1085804
1,3-Dichlorobenzene	U		0.000264	0.00111	1	03/17/2018 05:06	WG1085804
1,4-Dichlorobenzene	U		0.000250	0.00111	1	03/17/2018 05:06	WG1085804
Dichlorodifluoromethane	U		0.000789	0.00553	1	03/17/2018 05:06	WG1085804
1,1-Dichloroethane	U		0.000220	0.00111	1	03/17/2018 05:06	WG1085804
1,2-Dichloroethane	U		0.000293	0.00111	1	03/17/2018 05:06	WG1085804
1,1-Dichloroethene	0.00182		0.000335	0.00111	1	03/17/2018 05:06	WG1085804
cis-1,2-Dichloroethene	0.143		0.00651	0.0277	25	03/22/2018 15:52	WG1085804
trans-1,2-Dichloroethene	0.00177		0.000292	0.00111	1	03/17/2018 05:06	WG1085804
1,2-Dichloropropane	U		0.000396	0.00111	1	03/17/2018 05:06	WG1085804
1,1-Dichloropropene	U		0.000351	0.00111	1	03/17/2018 05:06	WG1085804
1,3-Dichloropropane	U		0.000229	0.00111	1	03/17/2018 05:06	WG1085804
cis-1,3-Dichloropropene	U		0.000290	0.00111	1	03/17/2018 05:06	WG1085804
trans-1,3-Dichloropropene	U		0.000295	0.00111	1	03/17/2018 05:06	WG1085804
trans-1,4-Dichloro-2-butene	U	J3	0.000861	0.00277	1	03/17/2018 05:06	WG1085804
2,2-Dichloropropane	U		0.000309	0.00111	1	03/17/2018 05:06	WG1085804
Di-isopropyl ether	U		0.000274	0.00111	1	03/17/2018 05:06	WG1085804
Ethylbenzene	U		0.000329	0.00111	1	03/17/2018 05:06	WG1085804
Hexachloro-1,3-butadiene	U		0.000378	0.00111	1	03/17/2018 05:06	WG1085804
2-Hexanone	U		0.00152	0.0111	1	03/17/2018 05:06	WG1085804
n-Hexane	U		0.000321	0.0111	1	03/17/2018 05:06	WG1085804
Iodomethane	U		0.00280	0.0111	1	03/17/2018 05:06	WG1085804
Isopropylbenzene	U		0.000269	0.00111	1	03/17/2018 05:06	WG1085804
p-Isopropyltoluene	U		0.000226	0.00111	1	03/17/2018 05:06	WG1085804
2-Butanone (MEK)	U		0.00518	0.0111	1	03/17/2018 05:06	WG1085804
Methylene Chloride	U		0.00111	0.00553	1	03/17/2018 05:06	WG1085804
4-Methyl-2-pentanone (MIBK)	U		0.00208	0.0111	1	03/17/2018 05:06	WG1085804

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1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000235	0.00111	1	03/17/2018 05:06	WG1085804
Naphthalene	U		0.00111	0.00553	1	03/17/2018 05:06	WG1085804
n-Propylbenzene	U		0.000228	0.00111	1	03/17/2018 05:06	WG1085804
Styrene	U		0.000259	0.00111	1	03/17/2018 05:06	WG1085804
1,1,1,2-Tetrachloroethane	U		0.000292	0.00111	1	03/17/2018 05:06	WG1085804
1,1,2,2-Tetrachloroethane	U		0.000404	0.00111	1	03/17/2018 05:06	WG1085804
1,1,2-Trichlorotrifluoroethane	U		0.000404	0.00111	1	03/17/2018 05:06	WG1085804
Tetrachloroethene	0.798		0.00763	0.0277	25	03/22/2018 15:52	WG1085804
Toluene	U		0.000480	0.00553	1	03/17/2018 05:06	WG1085804
1,2,3-Trichlorobenzene	U		0.000339	0.00111	1	03/17/2018 05:06	WG1085804
1,2,4-Trichlorobenzene	U		0.000429	0.00111	1	03/17/2018 05:06	WG1085804
1,1,1-Trichloroethane	U		0.000316	0.00111	1	03/17/2018 05:06	WG1085804
1,1,2-Trichloroethane	U		0.000306	0.00111	1	03/17/2018 05:06	WG1085804
Trichloroethene	0.0947		0.00772	0.0277	25	03/22/2018 15:52	WG1085804
Trichlorofluoromethane	U		0.000423	0.00553	1	03/17/2018 05:06	WG1085804
1,2,3-Trichloropropane	U		0.000820	0.00277	1	03/17/2018 05:06	WG1085804
1,2,4-Trimethylbenzene	U		0.000233	0.00111	1	03/17/2018 05:06	WG1085804
1,2,3-Trimethylbenzene	U		0.000318	0.00111	1	03/17/2018 05:06	WG1085804
1,3,5-Trimethylbenzene	U		0.000294	0.00111	1	03/17/2018 05:06	WG1085804
Vinyl acetate	U		0.00264	0.0111	1	03/17/2018 05:06	WG1085804
Vinyl chloride	0.0814		0.000322	0.00111	1	03/17/2018 05:06	WG1085804
Xylenes, Total	U		0.000772	0.00332	1	03/17/2018 05:06	WG1085804
(S) Toluene-d8	*98.8*			*80.0-120*		*03/17/2018 05:06*	WG1085804
(S) Toluene-d8	*103*			*80.0-120*		*03/22/2018 15:52*	WG1085804
(S) Dibromofluoromethane	*107*			*74.0-131*		*03/17/2018 05:06*	WG1085804
(S) Dibromofluoromethane	*90.5*			*74.0-131*		*03/22/2018 15:52*	WG1085804
(S) 4-Bromofluorobenzene	*95.2*			*64.0-132*		*03/17/2018 05:06*	WG1085804
(S) 4-Bromofluorobenzene	*92.6*			*64.0-132*		*03/22/2018 15:52*	WG1085804

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Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	86.4		1	03/20/2018 13:24	WG1086785

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0116	0.0578	1	03/17/2018 05:26	WG1085804
Acrylonitrile	U		0.00207	0.0116	1	03/17/2018 05:26	WG1085804
Benzene	U		0.000312	0.00116	1	03/17/2018 05:26	WG1085804
Bromobenzene	U		0.000329	0.00116	1	03/17/2018 05:26	WG1085804
Bromodichloromethane	U		0.000294	0.00116	1	03/17/2018 05:26	WG1085804
Bromochloromethane	U		0.000451	0.00578	1	03/17/2018 05:26	WG1085804
Bromoform	U		0.000490	0.00116	1	03/17/2018 05:26	WG1085804
Bromomethane	U		0.00155	0.00578	1	03/17/2018 05:26	WG1085804
n-Butylbenzene	U		0.000298	0.00116	1	03/17/2018 05:26	WG1085804
sec-Butylbenzene	U		0.000233	0.00116	1	03/17/2018 05:26	WG1085804
tert-Butylbenzene	U		0.000238	0.00116	1	03/17/2018 05:26	WG1085804
Carbon disulfide	0.000847	J J	0.000256	0.00116	1	03/17/2018 05:26	WG1085804
Carbon tetrachloride	U		0.000379	0.00116	1	03/17/2018 05:26	WG1085804
Chlorobenzene	U		0.000245	0.00116	1	03/17/2018 05:26	WG1085804
Chlorodibromomethane	U		0.000431	0.00116	1	03/17/2018 05:26	WG1085804
Chloroethane	U		0.00109	0.00578	1	03/17/2018 05:26	WG1085804
Chloroform	U		0.000265	0.00578	1	03/17/2018 05:26	WG1085804
Chloromethane	U		0.000434	0.00289	1	03/17/2018 05:26	WG1085804
2-Chlorotoluene	U		0.000348	0.00116	1	03/17/2018 05:26	WG1085804
4-Chlorotoluene	U		0.000278	0.00116	1	03/17/2018 05:26	WG1085804
1,2-Dibromo-3-Chloropropane	U		0.00121	0.00578	1	03/17/2018 05:26	WG1085804
1,2-Dibromoethane	U		0.000397	0.00116	1	03/17/2018 05:26	WG1085804
Dibromomethane	U		0.000442	0.00116	1	03/17/2018 05:26	WG1085804
1,2-Dichlorobenzene	U		0.000353	0.00116	1	03/17/2018 05:26	WG1085804
1,3-Dichlorobenzene	U		0.000276	0.00116	1	03/17/2018 05:26	WG1085804
1,4-Dichlorobenzene	U		0.000261	0.00116	1	03/17/2018 05:26	WG1085804
Dichlorodifluoromethane	U		0.000825	0.00578	1	03/17/2018 05:26	WG1085804
1,1-Dichloroethane	U		0.000230	0.00116	1	03/17/2018 05:26	WG1085804
1,2-Dichloroethane	U		0.000307	0.00116	1	03/17/2018 05:26	WG1085804
1,1-Dichloroethene	0.000599	J J	0.000351	0.00116	1	03/17/2018 05:26	WG1085804
cis-1,2-Dichloroethene	0.162		0.000272	0.00116	1	03/17/2018 05:26	WG1085804
trans-1,2-Dichloroethene	0.000842	J J	0.000305	0.00116	1	03/17/2018 05:26	WG1085804
1,2-Dichloropropane	U		0.000414	0.00116	1	03/17/2018 05:26	WG1085804
1,1-Dichloropropene	U		0.000367	0.00116	1	03/17/2018 05:26	WG1085804
1,3-Dichloropropane	U		0.000239	0.00116	1	03/17/2018 05:26	WG1085804
cis-1,3-Dichloropropene	U		0.000303	0.00116	1	03/17/2018 05:26	WG1085804
trans-1,3-Dichloropropene	U		0.000309	0.00116	1	03/17/2018 05:26	WG1085804
trans-1,4-Dichloro-2-butene	U	J3	0.000900	0.00289	1	03/17/2018 05:26	WG1085804
2,2-Dichloropropane	U		0.000323	0.00116	1	03/17/2018 05:26	WG1085804
Di-isopropyl ether	U		0.000287	0.00116	1	03/17/2018 05:26	WG1085804
Ethylbenzene	U		0.000344	0.00116	1	03/17/2018 05:26	WG1085804
Hexachloro-1,3-butadiene	U		0.000396	0.00116	1	03/17/2018 05:26	WG1085804
2-Hexanone	U		0.00158	0.0116	1	03/17/2018 05:26	WG1085804
n-Hexane	0.000832	J J	0.000335	0.0116	1	03/17/2018 05:26	WG1085804
Iodomethane	U		0.00293	0.0116	1	03/17/2018 05:26	WG1085804
Isopropylbenzene	U		0.000281	0.00116	1	03/17/2018 05:26	WG1085804
p-Isopropyltoluene	U		0.000236	0.00116	1	03/17/2018 05:26	WG1085804
2-Butanone (MEK)	U		0.00541	0.0116	1	03/17/2018 05:26	WG1085804
Methylene Chloride	U		0.00116	0.00578	1	03/17/2018 05:26	WG1085804
4-Methyl-2-pentanone (MIBK)	U		0.00217	0.0116	1	03/17/2018 05:26	WG1085804

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000245	0.00116	1	03/17/2018 05:26	WG1085804
Naphthalene	U		0.00116	0.00578	1	03/17/2018 05:26	WG1085804
n-Propylbenzene	U		0.000238	0.00116	1	03/17/2018 05:26	WG1085804
Styrene	U		0.000271	0.00116	1	03/17/2018 05:26	WG1085804
1,1,1,2-Tetrachloroethane	U		0.000305	0.00116	1	03/17/2018 05:26	WG1085804
1,1,2,2-Tetrachloroethane	U		0.000422	0.00116	1	03/17/2018 05:26	WG1085804
1,1,2-Trichlorotrifluoroethane	U		0.000422	0.00116	1	03/17/2018 05:26	WG1085804
Tetrachloroethene	0.833		0.00798	0.0289	25	03/22/2018 16:02	WG1085804
Toluene	U		0.000502	0.00578	1	03/17/2018 05:26	WG1085804
1,2,3-Trichlorobenzene	U		0.000354	0.00116	1	03/17/2018 05:26	WG1085804
1,2,4-Trichlorobenzene	U		0.000449	0.00116	1	03/17/2018 05:26	WG1085804
1,1,1-Trichloroethane	U		0.000331	0.00116	1	03/17/2018 05:26	WG1085804
1,1,2-Trichloroethane	U		0.000320	0.00116	1	03/17/2018 05:26	WG1085804
Trichloroethene	0.0474		0.000323	0.00116	1	03/17/2018 05:26	WG1085804
Trichlorofluoromethane	U		0.000442	0.00578	1	03/17/2018 05:26	WG1085804
1,2,3-Trichloropropane	U		0.000857	0.00289	1	03/17/2018 05:26	WG1085804
1,2,4-Trimethylbenzene	U		0.000244	0.00116	1	03/17/2018 05:26	WG1085804
1,2,3-Trimethylbenzene	U		0.000332	0.00116	1	03/17/2018 05:26	WG1085804
1,3,5-Trimethylbenzene	U		0.000308	0.00116	1	03/17/2018 05:26	WG1085804
Vinyl acetate	U		0.00276	0.0116	1	03/17/2018 05:26	WG1085804
Vinyl chloride	0.0230		0.000337	0.00116	1	03/17/2018 05:26	WG1085804
Xylenes, Total	U		0.000807	0.00347	1	03/17/2018 05:26	WG1085804
(S) Toluene-d8	*107*			*80.0-120*		*03/22/2018 16:02*	WG1085804
(S) Toluene-d8	*107*			*80.0-120*		*03/17/2018 05:26*	WG1085804
(S) Dibromofluoromethane	*111*			*74.0-131*		*03/17/2018 05:26*	WG1085804
(S) Dibromofluoromethane	*95.5*			*74.0-131*		*03/22/2018 16:02*	WG1085804
(S) 4-Bromofluorobenzene	*97.1*			*64.0-132*		*03/17/2018 05:26*	WG1085804
(S) 4-Bromofluorobenzene	*87.4*			*64.0-132*		*03/22/2018 16:02*	WG1085804

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Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	86.8		1	03/20/2018 13:24	WG1086785

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0115	0.0576	1	03/17/2018 16:36	WG1085897
Acrylonitrile	U		0.00206	0.0115	1	03/17/2018 16:36	WG1085897
Benzene	U		0.000311	0.00115	1	03/17/2018 16:36	WG1085897
Bromobenzene	U		0.000327	0.00115	1	03/17/2018 16:36	WG1085897
Bromodichloromethane	U		0.000292	0.00115	1	03/17/2018 16:36	WG1085897
Bromochloromethane	U		0.000449	0.00576	1	03/17/2018 16:36	WG1085897
Bromoform	U		0.000488	0.00115	1	03/17/2018 16:36	WG1085897
Bromomethane	U		0.00154	0.00576	1	03/17/2018 16:36	WG1085897
n-Butylbenzene	U		0.000297	0.00115	1	03/17/2018 16:36	WG1085897
sec-Butylbenzene	U		0.000231	0.00115	1	03/17/2018 16:36	WG1085897
tert-Butylbenzene	U		0.000237	0.00115	1	03/17/2018 16:36	WG1085897
Carbon disulfide	0.00126		0.000254	0.00115	1	03/17/2018 16:36	WG1085897
Carbon tetrachloride	U		0.000378	0.00115	1	03/17/2018 16:36	WG1085897
Chlorobenzene	U		0.000244	0.00115	1	03/17/2018 16:36	WG1085897
Chlorodibromomethane	U		0.000430	0.00115	1	03/17/2018 16:36	WG1085897
Chloroethane	U		0.00109	0.00576	1	03/17/2018 16:36	WG1085897
Chloroform	U		0.000264	0.00576	1	03/17/2018 16:36	WG1085897
Chloromethane	U		0.000432	0.00288	1	03/17/2018 16:36	WG1085897
2-Chlorotoluene	U		0.000347	0.00115	1	03/17/2018 16:36	WG1085897
4-Chlorotoluene	U		0.000276	0.00115	1	03/17/2018 16:36	WG1085897
1,2-Dibromo-3-Chloropropane	U		0.00121	0.00576	1	03/17/2018 16:36	WG1085897
1,2-Dibromoethane	U		0.000395	0.00115	1	03/17/2018 16:36	WG1085897
Dibromomethane	U		0.000440	0.00115	1	03/17/2018 16:36	WG1085897
1,2-Dichlorobenzene	U		0.000351	0.00115	1	03/17/2018 16:36	WG1085897
1,3-Dichlorobenzene	U		0.000275	0.00115	1	03/17/2018 16:36	WG1085897
1,4-Dichlorobenzene	U		0.000260	0.00115	1	03/17/2018 16:36	WG1085897
Dichlorodifluoromethane	U		0.000821	0.00576	1	03/17/2018 16:36	WG1085897
1,1-Dichloroethane	U		0.000229	0.00115	1	03/17/2018 16:36	WG1085897
1,2-Dichloroethane	U		0.000305	0.00115	1	03/17/2018 16:36	WG1085897
1,1-Dichloroethene	0.00278		0.000349	0.00115	1	03/17/2018 16:36	WG1085897
cis-1,2-Dichloroethene	1.54		0.0136	0.0576	50	03/22/2018 05:25	WG1085897
trans-1,2-Dichloroethene	0.00250		0.000304	0.00115	1	03/17/2018 16:36	WG1085897
1,2-Dichloropropane	U		0.000412	0.00115	1	03/17/2018 16:36	WG1085897
1,1-Dichloropropene	U		0.000365	0.00115	1	03/17/2018 16:36	WG1085897
1,3-Dichloropropane	U		0.000238	0.00115	1	03/17/2018 16:36	WG1085897
cis-1,3-Dichloropropene	U		0.000302	0.00115	1	03/17/2018 16:36	WG1085897
trans-1,3-Dichloropropene	U		0.000307	0.00115	1	03/17/2018 16:36	WG1085897
trans-1,4-Dichloro-2-butene	U	J0 UJ	0.000896	0.00288	1	03/17/2018 16:36	WG1085897
2,2-Dichloropropane	U		0.000321	0.00115	1	03/17/2018 16:36	WG1085897
Di-isopropyl ether	U		0.000286	0.00115	1	03/17/2018 16:36	WG1085897
Ethylbenzene	U		0.000342	0.00115	1	03/17/2018 16:36	WG1085897
Hexachloro-1,3-butadiene	U		0.000394	0.00115	1	03/17/2018 16:36	WG1085897
2-Hexanone	U		0.00158	0.0115	1	03/17/2018 16:36	WG1085897
n-Hexane	U		0.000334	0.0115	1	03/17/2018 16:36	WG1085897
Iodomethane	U	J4	0.00291	0.0115	1	03/17/2018 16:36	WG1085897
Isopropylbenzene	U		0.000280	0.00115	1	03/17/2018 16:36	WG1085897
p-Isopropyltoluene	U		0.000235	0.00115	1	03/17/2018 16:36	WG1085897
2-Butanone (MEK)	U		0.00539	0.0115	1	03/17/2018 16:36	WG1085897
Methylene Chloride	U		0.00115	0.00576	1	03/17/2018 16:36	WG1085897
4-Methyl-2-pentanone (MIBK)	U		0.00216	0.0115	1	03/17/2018 16:36	WG1085897

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000244	0.00115	1	03/17/2018 16:36	WG1085897
Naphthalene	U		0.00115	0.00576	1	03/17/2018 16:36	WG1085897
n-Propylbenzene	U		0.000237	0.00115	1	03/17/2018 16:36	WG1085897
Styrene	U		0.000269	0.00115	1	03/17/2018 16:36	WG1085897
1,1,1,2-Tetrachloroethane	U		0.000304	0.00115	1	03/17/2018 16:36	WG1085897
1,1,2,2-Tetrachloroethane	U		0.000420	0.00115	1	03/17/2018 16:36	WG1085897
1,1,2-Trichlorotrifluoroethane	U	J4	0.000420	0.00115	1	03/17/2018 16:36	WG1085897
Tetrachloroethene	40.7		0.159	0.576	500	03/22/2018 12:40	WG1085897
Toluene	U		0.000500	0.00576	1	03/17/2018 16:36	WG1085897
1,2,3-Trichlorobenzene	U		0.000352	0.00115	1	03/17/2018 16:36	WG1085897
1,2,4-Trichlorobenzene	U		0.000447	0.00115	1	03/17/2018 16:36	WG1085897
1,1,1-Trichloroethane	U		0.000329	0.00115	1	03/17/2018 16:36	WG1085897
1,1,2-Trichloroethane	U		0.000319	0.00115	1	03/17/2018 16:36	WG1085897
Trichloroethene	3.56		0.0161	0.0576	50	03/22/2018 05:25	WG1085897
Trichlorofluoromethane	U	J0 UJ	0.000440	0.00576	1	03/17/2018 16:36	WG1085897
1,2,3-Trichloropropane	U		0.000853	0.00288	1	03/17/2018 16:36	WG1085897
1,2,4-Trimethylbenzene	U		0.000243	0.00115	1	03/17/2018 16:36	WG1085897
1,2,3-Trimethylbenzene	U		0.000330	0.00115	1	03/17/2018 16:36	WG1085897
1,3,5-Trimethylbenzene	U		0.000306	0.00115	1	03/17/2018 16:36	WG1085897
Vinyl acetate	U		0.00275	0.0115	1	03/17/2018 16:36	WG1085897
Vinyl chloride	0.0684		0.000335	0.00115	1	03/17/2018 16:36	WG1085897
Xylenes, Total	U		0.000804	0.00345	1	03/17/2018 16:36	WG1085897
(S) Toluene-d8	*99.2*			*80.0-120*		*03/17/2018 16:36*	WG1085897
(S) Toluene-d8	*108*			*80.0-120*		*03/22/2018 05:25*	WG1085897
(S) Toluene-d8	*105*			*80.0-120*		*03/22/2018 12:40*	WG1085897
(S) Dibromofluoromethane	*97.9*			*74.0-131*		*03/22/2018 12:40*	WG1085897
(S) Dibromofluoromethane	*94.5*			*74.0-131*		*03/22/2018 05:25*	WG1085897
(S) Dibromofluoromethane	*106*			*74.0-131*		*03/17/2018 16:36*	WG1085897
(S) 4-Bromofluorobenzene	*89.7*			*64.0-132*		*03/22/2018 05:25*	WG1085897
(S) 4-Bromofluorobenzene	*109*			*64.0-132*		*03/17/2018 16:36*	WG1085897
(S) 4-Bromofluorobenzene	*88.0*			*64.0-132*		*03/22/2018 12:40*	WG1085897

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Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch
Analyte	%			date / time	
Total Solids	88.7		1	03/20/2018 13:24	WG1086785

Volatile Organic Compounds (GC/MS) by Method 8260C

	Result (dry)	Qualifier		MDL (dry)	RDL (dry)	Dilution	Analysis	Batch	
Analyte	mg/kg			mg/kg	mg/kg		date / time		
Acetone	U			0.0113	0.0564	1	03/17/2018 16:57	WG1085897	
Acrylonitrile	U			0.00202	0.0113	1	03/17/2018 16:57	WG1085897	
Benzene	0.000346	J	J	0.000305	0.00113	1	03/17/2018 16:57	WG1085897	
Bromobenzene	U			0.000320	0.00113	1	03/17/2018 16:57	WG1085897	
Bromodichloromethane	U			0.000287	0.00113	1	03/17/2018 16:57	WG1085897	
Bromochloromethane	U			0.000440	0.00564	1	03/17/2018 16:57	WG1085897	
Bromoform	U			0.000478	0.00113	1	03/17/2018 16:57	WG1085897	
Bromomethane	U			0.00151	0.00564	1	03/17/2018 16:57	WG1085897	
n-Butylbenzene	U			0.000291	0.00113	1	03/17/2018 16:57	WG1085897	
sec-Butylbenzene	U			0.000227	0.00113	1	03/17/2018 16:57	WG1085897	
tert-Butylbenzene	U			0.000232	0.00113	1	03/17/2018 16:57	WG1085897	
Carbon disulfide	0.00111	J	J	0.000249	0.00113	1	03/17/2018 16:57	WG1085897	
Carbon tetrachloride	U			0.000370	0.00113	1	03/17/2018 16:57	WG1085897	
Chlorobenzene	U			0.000239	0.00113	1	03/17/2018 16:57	WG1085897	
Chlorodibromomethane	U			0.000421	0.00113	1	03/17/2018 16:57	WG1085897	
Chloroethane	U			0.00107	0.00564	1	03/17/2018 16:57	WG1085897	
Chloroform	U			0.000258	0.00564	1	03/17/2018 16:57	WG1085897	
Chloromethane	U			0.000423	0.00282	1	03/17/2018 16:57	WG1085897	
2-Chlorotoluene	U			0.000340	0.00113	1	03/17/2018 16:57	WG1085897	
4-Chlorotoluene	U			0.000271	0.00113	1	03/17/2018 16:57	WG1085897	
1,2-Dibromo-3-Chloropropane	U			0.00118	0.00564	1	03/17/2018 16:57	WG1085897	
1,2-Dibromoethane	U			0.000387	0.00113	1	03/17/2018 16:57	WG1085897	
Dibromomethane	U			0.000431	0.00113	1	03/17/2018 16:57	WG1085897	
1,2-Dichlorobenzene	U			0.000344	0.00113	1	03/17/2018 16:57	WG1085897	
1,3-Dichlorobenzene	U			0.000270	0.00113	1	03/17/2018 16:57	WG1085897	
1,4-Dichlorobenzene	U			0.000255	0.00113	1	03/17/2018 16:57	WG1085897	
Dichlorodifluoromethane	U			0.000804	0.00564	1	03/17/2018 16:57	WG1085897	
1,1-Dichloroethane	U			0.000224	0.00113	1	03/17/2018 16:57	WG1085897	
1,2-Dichloroethane	U			0.000299	0.00113	1	03/17/2018 16:57	WG1085897	
1,1-Dichloroethene	0.00838			0.000342	0.00113	1	03/17/2018 16:57	WG1085897	
cis-1,2-Dichloroethene	0.200			0.0133	0.0564	50	03/22/2018 05:44	WG1085897	
trans-1,2-Dichloroethene	0.00889			0.000298	0.00113	1	03/17/2018 16:57	WG1085897	
1,2-Dichloropropane	U			0.000404	0.00113	1	03/17/2018 16:57	WG1085897	
1,1-Dichloropropene	U			0.000358	0.00113	1	03/17/2018 16:57	WG1085897	
1,3-Dichloropropane	U			0.000233	0.00113	1	03/17/2018 16:57	WG1085897	
cis-1,3-Dichloropropene	U			0.000296	0.00113	1	03/17/2018 16:57	WG1085897	
trans-1,3-Dichloropropene	U			0.000301	0.00113	1	03/17/2018 16:57	WG1085897	
trans-1,4-Dichloro-2-butene	U			0.000878	0.00282	1	03/17/2018 16:57	WG1085897	
2,2-Dichloropropane	U			0.000315	0.00113	1	03/17/2018 16:57	WG1085897	
Di-isopropyl ether	U			0.000280	0.00113	1	03/17/2018 16:57	WG1085897	
Ethylbenzene	U			0.000335	0.00113	1	03/17/2018 16:57	WG1085897	
Hexachloro-1,3-butadiene	U			0.000386	0.00113	1	03/17/2018 16:57	WG1085897	
2-Hexanone	U			0.00155	0.0113	1	03/17/2018 16:57	WG1085897	
n-Hexane	0.000525	J	J	0.000327	0.0113	1	03/17/2018 16:57	WG1085897	
Iodomethane	U	J4		0.00285	0.0113	1	03/17/2018 16:57	WG1085897	
Isopropylbenzene	U			0.000274	0.00113	1	03/17/2018 16:57	WG1085897	
p-Isopropyltoluene	U			0.000230	0.00113	1	03/17/2018 16:57	WG1085897	
2-Butanone (MEK)	U			0.00528	0.0113	1	03/17/2018 16:57	WG1085897	
Methylene Chloride	U			0.00113	0.00564	1	03/17/2018 16:57	WG1085897	JC 4/12/18
4-Methyl-2-pentanone (MIBK)	U			0.00212	0.0113	1	03/17/2018 16:57	WG1085897	

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000239	0.00113	1	03/17/2018 16:57	WG1085897
Naphthalene	U		0.00113	0.00564	1	03/17/2018 16:57	WG1085897
n-Propylbenzene	U		0.000232	0.00113	1	03/17/2018 16:57	WG1085897
Styrene	U		0.000264	0.00113	1	03/17/2018 16:57	WG1085897
1,1,1,2-Tetrachloroethane	U		0.000298	0.00113	1	03/17/2018 16:57	WG1085897
1,1,2,2-Tetrachloroethane	U		0.000412	0.00113	1	03/17/2018 16:57	WG1085897
1,1,2-Trichlorotrifluoroethane	U	J4	0.000412	0.00113	1	03/17/2018 16:57	WG1085897
Tetrachloroethene	1.05		0.0156	0.0564	50	03/22/2018 05:44	WG1085897
Toluene	0.000557	J J	0.000490	0.00564	1	03/17/2018 16:57	WG1085897
1,2,3-Trichlorobenzene	U		0.000345	0.00113	1	03/17/2018 16:57	WG1085897
1,2,4-Trichlorobenzene	U		0.000438	0.00113	1	03/17/2018 16:57	WG1085897
1,1,1-Trichloroethane	U		0.000323	0.00113	1	03/17/2018 16:57	WG1085897
1,1,2-Trichloroethane	U		0.000312	0.00113	1	03/17/2018 16:57	WG1085897
Trichloroethene	0.327		0.0158	0.0564	50	03/22/2018 05:44	WG1085897
Trichlorofluoromethane	U		0.000431	0.00564	1	03/17/2018 16:57	WG1085897
1,2,3-Trichloropropane	U		0.000836	0.00282	1	03/17/2018 16:57	WG1085897
1,2,4-Trimethylbenzene	U		0.000238	0.00113	1	03/17/2018 16:57	WG1085897
1,2,3-Trimethylbenzene	U		0.000324	0.00113	1	03/17/2018 16:57	WG1085897
1,3,5-Trimethylbenzene	U		0.000300	0.00113	1	03/17/2018 16:57	WG1085897
Vinyl acetate	U		0.00270	0.0113	1	03/17/2018 16:57	WG1085897
Vinyl chloride	0.164	E J	0.000328	0.00113	1	03/17/2018 16:57	WG1085897
Xylenes, Total	U		0.000787	0.00338	1	03/17/2018 16:57	WG1085897
(S) Toluene-d8	*95.4*			*80.0-120*		*03/17/2018 16:57*	WG1085897
(S) Toluene-d8	*108*			*80.0-120*		*03/22/2018 05:44*	WG1085897
(S) Dibromofluoromethane	*106*			*74.0-131*		*03/17/2018 16:57*	WG1085897
(S) Dibromofluoromethane	*95.7*			*74.0-131*		*03/22/2018 05:44*	WG1085897
(S) 4-Bromofluorobenzene	*116*			*64.0-132*		*03/17/2018 16:57*	WG1085897
(S) 4-Bromofluorobenzene	*90.5*			*64.0-132*		*03/22/2018 05:44*	WG1085897

Sample Narrative:

L977743-22 WG1085897: Reporting with E qualifier as compound was ND at higher dilution.

JC 4/12/18

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	85.1		1	03/20/2018 13:24	WG1086785

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0117	0.0587	1	03/17/2018 17:46	WG1085897
Acrylonitrile	U		0.00210	0.0117	1	03/17/2018 17:46	WG1085897
Benzene	U		0.000317	0.00117	1	03/17/2018 17:46	WG1085897
Bromobenzene	U		0.000334	0.00117	1	03/17/2018 17:46	WG1085897
Bromodichloromethane	U		0.000298	0.00117	1	03/17/2018 17:46	WG1085897
Bromochloromethane	U		0.000458	0.00587	1	03/17/2018 17:46	WG1085897
Bromoform	U		0.000498	0.00117	1	03/17/2018 17:46	WG1085897
Bromomethane	U		0.00157	0.00587	1	03/17/2018 17:46	WG1085897
n-Butylbenzene	0.000473	J J +	0.000303	0.00117	1	03/17/2018 17:46	WG1085897
sec-Butylbenzene	0.000431	J J +	0.000236	0.00117	1	03/17/2018 17:46	WG1085897
tert-Butylbenzene	U		0.000242	0.00117	1	03/17/2018 17:46	WG1085897
Carbon disulfide	0.00193	J +	0.000260	0.00117	1	03/17/2018 17:46	WG1085897
Carbon tetrachloride	U		0.000385	0.00117	1	03/17/2018 17:46	WG1085897
Chlorobenzene	U		0.000249	0.00117	1	03/17/2018 17:46	WG1085897
Chlorodibromomethane	U		0.000438	0.00117	1	03/17/2018 17:46	WG1085897
Chloroethane	U		0.00111	0.00587	1	03/17/2018 17:46	WG1085897
Chloroform	0.000324	J J +	0.000269	0.00587	1	03/17/2018 17:46	WG1085897
Chloromethane	U		0.000441	0.00294	1	03/17/2018 17:46	WG1085897
2-Chlorotoluene	U		0.000354	0.00117	1	03/17/2018 17:46	WG1085897
4-Chlorotoluene	U		0.000282	0.00117	1	03/17/2018 17:46	WG1085897
1,2-Dibromo-3-Chloropropane	U		0.00123	0.00587	1	03/17/2018 17:46	WG1085897
1,2-Dibromoethane	U		0.000403	0.00117	1	03/17/2018 17:46	WG1085897
Dibromomethane	U		0.000449	0.00117	1	03/17/2018 17:46	WG1085897
1,2-Dichlorobenzene	U		0.000358	0.00117	1	03/17/2018 17:46	WG1085897
1,3-Dichlorobenzene	U		0.000281	0.00117	1	03/17/2018 17:46	WG1085897
1,4-Dichlorobenzene	U		0.000266	0.00117	1	03/17/2018 17:46	WG1085897
Dichlorodifluoromethane	U		0.000838	0.00587	1	03/17/2018 17:46	WG1085897
1,1-Dichloroethane	U		0.000234	0.00117	1	03/17/2018 17:46	WG1085897
1,2-Dichloroethane	U		0.000311	0.00117	1	03/17/2018 17:46	WG1085897
1,1-Dichloroethene	0.0162	J +	0.000356	0.00117	1	03/17/2018 17:46	WG1085897
cis-1,2-Dichloroethene	3.68		0.691	2.94	2500	03/22/2018 13:28	WG1085897
trans-1,2-Dichloroethene	0.0135	J +	0.000310	0.00117	1	03/17/2018 17:46	WG1085897
1,2-Dichloropropane	U		0.000421	0.00117	1	03/17/2018 17:46	WG1085897
1,1-Dichloropropene	U		0.000372	0.00117	1	03/17/2018 17:46	WG1085897
1,3-Dichloropropane	U		0.000243	0.00117	1	03/17/2018 17:46	WG1085897
cis-1,3-Dichloropropene	U		0.000308	0.00117	1	03/17/2018 17:46	WG1085897
trans-1,3-Dichloropropene	U		0.000314	0.00117	1	03/17/2018 17:46	WG1085897
trans-1,4-Dichloro-2-butene	U	J0 UJ	0.000914	0.00294	1	03/17/2018 17:46	WG1085897
2,2-Dichloropropane	U		0.000328	0.00117	1	03/17/2018 17:46	WG1085897
Di-isopropyl ether	U		0.000291	0.00117	1	03/17/2018 17:46	WG1085897
Ethylbenzene	0.00441	V3 J +	0.000349	0.00117	1	03/17/2018 17:46	WG1085897
Hexachloro-1,3-butadiene	U		0.000402	0.00117	1	03/17/2018 17:46	WG1085897
2-Hexanone	U		0.00161	0.0117	1	03/17/2018 17:46	WG1085897
n-Hexane	U		0.000341	0.0117	1	03/17/2018 17:46	WG1085897
Iodomethane	U	J4	0.00297	0.0117	1	03/17/2018 17:46	WG1085897
Isopropylbenzene	U		0.000286	0.00117	1	03/17/2018 17:46	WG1085897
p-Isopropyltoluene	0.000731	J J +	0.000240	0.00117	1	03/17/2018 17:46	WG1085897
2-Butanone (MEK)	U		0.00550	0.0117	1	03/17/2018 17:46	WG1085897
Methylene Chloride	U		0.00117	0.00587	1	03/17/2018 17:46	WG1085897
4-Methyl-2-pentanone (MIBK)	U		0.00221	0.0117	1	03/17/2018 17:46	WG1085897

JC 4/12/18

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000249	0.00117	1	03/17/2018 17:46	WG1085897
Naphthalene	0.00128	J J +	0.00117	0.00587	1	03/17/2018 17:46	WG1085897
n-Propylbenzene	0.00101	J J +	0.000242	0.00117	1	03/17/2018 17:46	WG1085897
Styrene	U		0.000275	0.00117	1	03/17/2018 17:46	WG1085897
1,1,1,2-Tetrachloroethane	U		0.000310	0.00117	1	03/17/2018 17:46	WG1085897
1,1,2,2-Tetrachloroethane	U		0.000429	0.00117	1	03/17/2018 17:46	WG1085897
1,1,2-Trichlorotrifluoroethane	U	J4	0.000429	0.00117	1	03/17/2018 17:46	WG1085897
Tetrachloroethene	105		0.811	2.94	2500	03/22/2018 13:28	WG1085897
Toluene	0.0210	V3 J +	0.000510	0.00587	1	03/17/2018 17:46	WG1085897
1,2,3-Trichlorobenzene	U		0.000360	0.00117	1	03/17/2018 17:46	WG1085897
1,2,4-Trichlorobenzene	U		0.000456	0.00117	1	03/17/2018 17:46	WG1085897
1,1,1-Trichloroethane	U		0.000336	0.00117	1	03/17/2018 17:46	WG1085897
1,1,2-Trichloroethane	U		0.000325	0.00117	1	03/17/2018 17:46	WG1085897
Trichloroethene	3.06		0.820	2.94	2500	03/22/2018 13:28	WG1085897
Trichlorofluoromethane	U	J0 UJ	0.000449	0.00587	1	03/17/2018 17:46	WG1085897
1,2,3-Trichloropropane	U		0.000871	0.00294	1	03/17/2018 17:46	WG1085897
1,2,4-Trimethylbenzene	0.00692	J +	0.000248	0.00117	1	03/17/2018 17:46	WG1085897
1,2,3-Trimethylbenzene	0.00274	J +	0.000337	0.00117	1	03/17/2018 17:46	WG1085897
1,3,5-Trimethylbenzene	0.00233	J +	0.000313	0.00117	1	03/17/2018 17:46	WG1085897
Vinyl acetate	U		0.00281	0.0117	1	03/17/2018 17:46	WG1085897
Vinyl chloride	0.101	J +	0.000342	0.00117	1	03/17/2018 17:46	WG1085897
Xylenes, Total	0.0244	V3 J +	0.000820	0.00352	1	03/17/2018 17:46	WG1085897
(S) Toluene-d8	*1100*	J1		*80.0-120*		*03/17/2018 17:46*	WG1085897
(S) Toluene-d8	*107*			*80.0-120*		*03/22/2018 13:28*	WG1085897
(S) Dibromofluoromethane	*101*			*74.0-131*		*03/17/2018 17:46*	WG1085897
(S) Dibromofluoromethane	*98.2*			*74.0-131*		*03/22/2018 13:28*	WG1085897
(S) 4-Bromofluorobenzene	*104*			*64.0-132*		*03/17/2018 17:46*	WG1085897
(S) 4-Bromofluorobenzene	*87.8*			*64.0-132*		*03/22/2018 13:28*	WG1085897

Sample Narrative:

L977743-23 WG1085897: Surrogate failure due to matrix interference.

JC 4/12/18

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch
Analyte	%			date / time	
Total Solids	86.7		1	03/20/2018 13:24	WG1086785

Volatile Organic Compounds (GC/MS) by Method 8260C

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0115	0.0577	1	03/17/2018 18:06	WG1085897
Acrylonitrile	U		0.00207	0.0115	1	03/17/2018 18:06	WG1085897
Benzene	U		0.000312	0.00115	1	03/17/2018 18:06	WG1085897
Bromobenzene	U		0.000328	0.00115	1	03/17/2018 18:06	WG1085897
Bromodichloromethane	U		0.000293	0.00115	1	03/17/2018 18:06	WG1085897
Bromochloromethane	U		0.000450	0.00577	1	03/17/2018 18:06	WG1085897
Bromoform	U		0.000489	0.00115	1	03/17/2018 18:06	WG1085897
Bromomethane	U		0.00155	0.00577	1	03/17/2018 18:06	WG1085897
n-Butylbenzene	U		0.000298	0.00115	1	03/17/2018 18:06	WG1085897
sec-Butylbenzene	U		0.000232	0.00115	1	03/17/2018 18:06	WG1085897
tert-Butylbenzene	U		0.000238	0.00115	1	03/17/2018 18:06	WG1085897
Carbon disulfide	0.00180	J +	0.000255	0.00115	1	03/17/2018 18:06	WG1085897
Carbon tetrachloride	U		0.000378	0.00115	1	03/17/2018 18:06	WG1085897
Chlorobenzene	U		0.000245	0.00115	1	03/17/2018 18:06	WG1085897
Chlorodibromomethane	U		0.000430	0.00115	1	03/17/2018 18:06	WG1085897
Chloroethane	U		0.00109	0.00577	1	03/17/2018 18:06	WG1085897
Chloroform	0.000398	J J +	0.000264	0.00577	1	03/17/2018 18:06	WG1085897
Chloromethane	U		0.000433	0.00288	1	03/17/2018 18:06	WG1085897
2-Chlorotoluene	U		0.000347	0.00115	1	03/17/2018 18:06	WG1085897
4-Chlorotoluene	U		0.000277	0.00115	1	03/17/2018 18:06	WG1085897
1,2-Dibromo-3-Chloropropane	U		0.00121	0.00577	1	03/17/2018 18:06	WG1085897
1,2-Dibromoethane	U		0.000396	0.00115	1	03/17/2018 18:06	WG1085897
Dibromomethane	U		0.000441	0.00115	1	03/17/2018 18:06	WG1085897
1,2-Dichlorobenzene	U		0.000352	0.00115	1	03/17/2018 18:06	WG1085897
1,3-Dichlorobenzene	U		0.000276	0.00115	1	03/17/2018 18:06	WG1085897
1,4-Dichlorobenzene	U		0.000261	0.00115	1	03/17/2018 18:06	WG1085897
Dichlorodifluoromethane	U		0.000823	0.00577	1	03/17/2018 18:06	WG1085897
1,1-Dichloroethane	U		0.000230	0.00115	1	03/17/2018 18:06	WG1085897
1,2-Dichloroethane	U		0.000306	0.00115	1	03/17/2018 18:06	WG1085897
1,1-Dichloroethene	0.0141	J +	0.000350	0.00115	1	03/17/2018 18:06	WG1085897
cis-1,2-Dichloroethene	2.31		0.271	1.15	1000	03/22/2018 13:48	WG1085897
trans-1,2-Dichloroethene	0.00620	J +	0.000305	0.00115	1	03/17/2018 18:06	WG1085897
1,2-Dichloropropane	U		0.000413	0.00115	1	03/17/2018 18:06	WG1085897
1,1-Dichloropropene	U		0.000366	0.00115	1	03/17/2018 18:06	WG1085897
1,3-Dichloropropane	U		0.000239	0.00115	1	03/17/2018 18:06	WG1085897
cis-1,3-Dichloropropene	U		0.000302	0.00115	1	03/17/2018 18:06	WG1085897
trans-1,3-Dichloropropene	U		0.000308	0.00115	1	03/17/2018 18:06	WG1085897
trans-1,4-Dichloro-2-butene	U	J0 UJ	0.000898	0.00288	1	03/17/2018 18:06	WG1085897
2,2-Dichloropropane	U		0.000322	0.00115	1	03/17/2018 18:06	WG1085897
Di-isopropyl ether	U		0.000286	0.00115	1	03/17/2018 18:06	WG1085897
Ethylbenzene	0.000604	J V3 J +	0.000343	0.00115	1	03/17/2018 18:06	WG1085897
Hexachloro-1,3-butadiene	U		0.000395	0.00115	1	03/17/2018 18:06	WG1085897
2-Hexanone	U		0.00158	0.0115	1	03/17/2018 18:06	WG1085897
n-Hexane	U		0.000335	0.0115	1	03/17/2018 18:06	WG1085897
Iodomethane	U	J4	0.00292	0.0115	1	03/17/2018 18:06	WG1085897
Isopropylbenzene	U		0.000280	0.00115	1	03/17/2018 18:06	WG1085897
p-Isopropyltoluene	0.000277	J J +	0.000235	0.00115	1	03/17/2018 18:06	WG1085897
2-Butanone (MEK)	U		0.00540	0.0115	1	03/17/2018 18:06	WG1085897
Methylene Chloride	U		0.00115	0.00577	1	03/17/2018 18:06	WG1085897
4-Methyl-2-pentanone (MIBK)	U		0.00217	0.0115	1	03/17/2018 18:06	WG1085897

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000245	0.00115	1	03/17/2018 18:06	WG1085897
Naphthalene	U		0.00115	0.00577	1	03/17/2018 18:06	WG1085897
n-Propylbenzene	0.000529	J J +	0.000238	0.00115	1	03/17/2018 18:06	WG1085897
Styrene	U		0.000270	0.00115	1	03/17/2018 18:06	WG1085897
1,1,1,2-Tetrachloroethane	U		0.000305	0.00115	1	03/17/2018 18:06	WG1085897
1,1,2,2-Tetrachloroethane	U		0.000421	0.00115	1	03/17/2018 18:06	WG1085897
1,1,2-Trichlorotrifluoroethane	U	J4	0.000421	0.00115	1	03/17/2018 18:06	WG1085897
Tetrachloroethene	11.9		0.318	1.15	1000	03/22/2018 13:48	WG1085897
Toluene	0.00402	J V3 J +	0.000501	0.00577	1	03/17/2018 18:06	WG1085897
1,2,3-Trichlorobenzene	U		0.000353	0.00115	1	03/17/2018 18:06	WG1085897
1,2,4-Trichlorobenzene	U		0.000448	0.00115	1	03/17/2018 18:06	WG1085897
1,1,1-Trichloroethane	U		0.000330	0.00115	1	03/17/2018 18:06	WG1085897
1,1,2-Trichloroethane	U		0.000320	0.00115	1	03/17/2018 18:06	WG1085897
Trichloroethene	0.340	J J	0.322	1.15	1000	03/22/2018 13:48	WG1085897
Trichlorofluoromethane	U	J0 UJ	0.000441	0.00577	1	03/17/2018 18:06	WG1085897
1,2,3-Trichloropropane	U		0.000855	0.00288	1	03/17/2018 18:06	WG1085897
1,2,4-Trimethylbenzene	0.00270	J +	0.000243	0.00115	1	03/17/2018 18:06	WG1085897
1,2,3-Trimethylbenzene	0.00115	J J +	0.000331	0.00115	1	03/17/2018 18:06	WG1085897
1,3,5-Trimethylbenzene	0.00105	J J +	0.000307	0.00115	1	03/17/2018 18:06	WG1085897
Vinyl acetate	U		0.00276	0.0115	1	03/17/2018 18:06	WG1085897
Vinyl chloride	0.0531	J +	0.000336	0.00115	1	03/17/2018 18:06	WG1085897
Xylenes, Total	0.00330	J V3 J +	0.000805	0.00346	1	03/17/2018 18:06	WG1085897
(S) Toluene-d8	*278*	J1		*80.0-120*		*03/17/2018 18:06*	WG1085897
(S) Toluene-d8	*107*			*80.0-120*		*03/22/2018 13:48*	WG1085897
(S) Dibromofluoromethane	*104*			*74.0-131*		*03/17/2018 18:06*	WG1085897
(S) Dibromofluoromethane	*93.6*			*74.0-131*		*03/22/2018 13:48*	WG1085897
(S) 4-Bromofluorobenzene	*88.4*			*64.0-132*		*03/22/2018 13:48*	WG1085897
(S) 4-Bromofluorobenzene	*114*			*64.0-132*		*03/17/2018 18:06*	WG1085897

Sample Narrative:

L977743-24 WG1085897: Surrogate failure due to matrix interference.

JC 4/12/18

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	87.5		1	03/20/2018 11:29	WG1086786

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0114	0.0571	1	03/17/2018 18:27	WG1085897
Acrylonitrile	U		0.00205	0.0114	1	03/17/2018 18:27	WG1085897
Benzene	U		0.000309	0.00114	1	03/17/2018 18:27	WG1085897
Bromobenzene	U		0.000325	0.00114	1	03/17/2018 18:27	WG1085897
Bromodichloromethane	U		0.000290	0.00114	1	03/17/2018 18:27	WG1085897
Bromochloromethane	U		0.000446	0.00571	1	03/17/2018 18:27	WG1085897
Bromoform	U		0.000484	0.00114	1	03/17/2018 18:27	WG1085897
Bromomethane	U		0.00153	0.00571	1	03/17/2018 18:27	WG1085897
n-Butylbenzene	U		0.000295	0.00114	1	03/17/2018 18:27	WG1085897
sec-Butylbenzene	U		0.000230	0.00114	1	03/17/2018 18:27	WG1085897
tert-Butylbenzene	U		0.000235	0.00114	1	03/17/2018 18:27	WG1085897
Carbon disulfide	0.00102	J J	0.000253	0.00114	1	03/17/2018 18:27	WG1085897
Carbon tetrachloride	U		0.000375	0.00114	1	03/17/2018 18:27	WG1085897
Chlorobenzene	U		0.000242	0.00114	1	03/17/2018 18:27	WG1085897
Chlorodibromomethane	U		0.000426	0.00114	1	03/17/2018 18:27	WG1085897
Chloroethane	U		0.00108	0.00571	1	03/17/2018 18:27	WG1085897
Chloroform	U		0.000262	0.00571	1	03/17/2018 18:27	WG1085897
Chloromethane	U		0.000428	0.00286	1	03/17/2018 18:27	WG1085897
2-Chlorotoluene	U		0.000344	0.00114	1	03/17/2018 18:27	WG1085897
4-Chlorotoluene	U		0.000274	0.00114	1	03/17/2018 18:27	WG1085897
1,2-Dibromo-3-Chloropropane	U		0.00120	0.00571	1	03/17/2018 18:27	WG1085897
1,2-Dibromoethane	U		0.000392	0.00114	1	03/17/2018 18:27	WG1085897
Dibromomethane	U		0.000436	0.00114	1	03/17/2018 18:27	WG1085897
1,2-Dichlorobenzene	U		0.000348	0.00114	1	03/17/2018 18:27	WG1085897
1,3-Dichlorobenzene	U		0.000273	0.00114	1	03/17/2018 18:27	WG1085897
1,4-Dichlorobenzene	U		0.000258	0.00114	1	03/17/2018 18:27	WG1085897
Dichlorodifluoromethane	U		0.000815	0.00571	1	03/17/2018 18:27	WG1085897
1,1-Dichloroethane	U		0.000227	0.00114	1	03/17/2018 18:27	WG1085897
1,2-Dichloroethane	U		0.000303	0.00114	1	03/17/2018 18:27	WG1085897
1,1-Dichloroethene	0.00152		0.000346	0.00114	1	03/17/2018 18:27	WG1085897
cis-1,2-Dichloroethene	0.464		0.0269	0.114	100	03/22/2018 07:04	WG1085897
trans-1,2-Dichloroethene	0.00132		0.000302	0.00114	1	03/17/2018 18:27	WG1085897
1,2-Dichloropropane	U		0.000409	0.00114	1	03/17/2018 18:27	WG1085897
1,1-Dichloropropene	U		0.000362	0.00114	1	03/17/2018 18:27	WG1085897
1,3-Dichloropropane	U		0.000237	0.00114	1	03/17/2018 18:27	WG1085897
cis-1,3-Dichloropropene	U		0.000299	0.00114	1	03/17/2018 18:27	WG1085897
trans-1,3-Dichloropropene	U		0.000305	0.00114	1	03/17/2018 18:27	WG1085897
trans-1,4-Dichloro-2-butene	U	J0 UJ	0.000889	0.00286	1	03/17/2018 18:27	WG1085897
2,2-Dichloropropane	U		0.000319	0.00114	1	03/17/2018 18:27	WG1085897
Di-isopropyl ether	U		0.000283	0.00114	1	03/17/2018 18:27	WG1085897
Ethylbenzene	U		0.000339	0.00114	1	03/17/2018 18:27	WG1085897
Hexachloro-1,3-butadiene	U		0.000391	0.00114	1	03/17/2018 18:27	WG1085897
2-Hexanone	U		0.00157	0.0114	1	03/17/2018 18:27	WG1085897
n-Hexane	U		0.000331	0.0114	1	03/17/2018 18:27	WG1085897
Iodomethane	U	J4	0.00289	0.0114	1	03/17/2018 18:27	WG1085897
Isopropylbenzene	U		0.000278	0.00114	1	03/17/2018 18:27	WG1085897
p-Isopropyltoluene	U		0.000233	0.00114	1	03/17/2018 18:27	WG1085897
2-Butanone (MEK)	U		0.00535	0.0114	1	03/17/2018 18:27	WG1085897
Methylene Chloride	U		0.00114	0.00571	1	03/17/2018 18:27	WG1085897
4-Methyl-2-pentanone (MIBK)	U		0.00215	0.0114	1	03/17/2018 18:27	WG1085897

JC 4/12/18

IW-8C-60

Collected date/time: 03/14/18 10:50

SAMPLE RESULTS - 25

L977743

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier		MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U			0.000242	0.00114	1	03/17/2018 18:27	WG1085897
Naphthalene	U			0.00114	0.00571	1	03/17/2018 18:27	WG1085897
n-Propylbenzene	U			0.000235	0.00114	1	03/17/2018 18:27	WG1085897
Styrene	U			0.000267	0.00114	1	03/17/2018 18:27	WG1085897
1,1,1,2-Tetrachloroethane	U			0.000302	0.00114	1	03/17/2018 18:27	WG1085897
1,1,2,2-Tetrachloroethane	U			0.000417	0.00114	1	03/17/2018 18:27	WG1085897
1,1,2-Trichlorotrifluoroethane	U	J4		0.000417	0.00114	1	03/17/2018 18:27	WG1085897
Tetrachloroethene	10.8			0.0315	0.114	100	03/22/2018 07:04	WG1085897
Toluene	0.000637	J	J	0.000496	0.00571	1	03/17/2018 18:27	WG1085897
1,2,3-Trichlorobenzene	U			0.000350	0.00114	1	03/17/2018 18:27	WG1085897
1,2,4-Trichlorobenzene	U			0.000443	0.00114	1	03/17/2018 18:27	WG1085897
1,1,1-Trichloroethane	U			0.000327	0.00114	1	03/17/2018 18:27	WG1085897
1,1,2-Trichloroethane	U			0.000317	0.00114	1	03/17/2018 18:27	WG1085897
Trichloroethene	0.275			0.0319	0.114	100	03/22/2018 07:04	WG1085897
Trichlorofluoromethane	U	J0	UJ	0.000436	0.00571	1	03/17/2018 18:27	WG1085897
1,2,3-Trichloropropane	U			0.000847	0.00286	1	03/17/2018 18:27	WG1085897
1,2,4-Trimethylbenzene	0.000420	J	J	0.000241	0.00114	1	03/17/2018 18:27	WG1085897
1,2,3-Trimethylbenzene	U			0.000328	0.00114	1	03/17/2018 18:27	WG1085897
1,3,5-Trimethylbenzene	U			0.000304	0.00114	1	03/17/2018 18:27	WG1085897
Vinyl acetate	U			0.00273	0.0114	1	03/17/2018 18:27	WG1085897
Vinyl chloride	0.0104			0.000333	0.00114	1	03/17/2018 18:27	WG1085897
Xylenes, Total	U			0.000798	0.00343	1	03/17/2018 18:27	WG1085897
(S) Toluene-d8	*96.6*				*80.0-120*		*03/17/2018 18:27*	WG1085897
(S) Toluene-d8	*104*				*80.0-120*		*03/22/2018 07:04*	WG1085897
(S) Dibromofluoromethane	*102*				*74.0-131*		*03/17/2018 18:27*	WG1085897
(S) Dibromofluoromethane	*92.2*				*74.0-131*		*03/22/2018 07:04*	WG1085897
(S) 4-Bromofluorobenzene	*108*				*64.0-132*		*03/17/2018 18:27*	WG1085897
(S) 4-Bromofluorobenzene	*89.9*				*64.0-132*		*03/22/2018 07:04*	WG1085897

JC 4/12/18

IW-8C-65

Collected date/time: 03/14/18 11:05

SAMPLE RESULTS - 26

L977743

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	83.4		1	03/20/2018 11:29	WG1086786

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0120	0.0600	1	03/17/2018 18:48	WG1085897
Acrylonitrile	U		0.00215	0.0120	1	03/17/2018 18:48	WG1085897
Benzene	U		0.000324	0.00120	1	03/17/2018 18:48	WG1085897
Bromobenzene	U		0.000341	0.00120	1	03/17/2018 18:48	WG1085897
Bromodichloromethane	U		0.000305	0.00120	1	03/17/2018 18:48	WG1085897
Bromochloromethane	U		0.000468	0.00600	1	03/17/2018 18:48	WG1085897
Bromoform	U		0.000509	0.00120	1	03/17/2018 18:48	WG1085897
Bromomethane	U		0.00161	0.00600	1	03/17/2018 18:48	WG1085897
n-Butylbenzene	U		0.000309	0.00120	1	03/17/2018 18:48	WG1085897
sec-Butylbenzene	U		0.000241	0.00120	1	03/17/2018 18:48	WG1085897
tert-Butylbenzene	U		0.000247	0.00120	1	03/17/2018 18:48	WG1085897
Carbon disulfide	U		0.000265	0.00120	1	03/17/2018 18:48	WG1085897
Carbon tetrachloride	U		0.000393	0.00120	1	03/17/2018 18:48	WG1085897
Chlorobenzene	U		0.000254	0.00120	1	03/17/2018 18:48	WG1085897
Chlorodibromomethane	U		0.000447	0.00120	1	03/17/2018 18:48	WG1085897
Chloroethane	U		0.00113	0.00600	1	03/17/2018 18:48	WG1085897
Chloroform	U		0.000275	0.00600	1	03/17/2018 18:48	WG1085897
Chloromethane	U		0.000450	0.00300	1	03/17/2018 18:48	WG1085897
2-Chlorotoluene	U		0.000361	0.00120	1	03/17/2018 18:48	WG1085897
4-Chlorotoluene	U		0.000288	0.00120	1	03/17/2018 18:48	WG1085897
1,2-Dibromo-3-Chloropropane	U		0.00126	0.00600	1	03/17/2018 18:48	WG1085897
1,2-Dibromoethane	U		0.000411	0.00120	1	03/17/2018 18:48	WG1085897
Dibromomethane	U		0.000458	0.00120	1	03/17/2018 18:48	WG1085897
1,2-Dichlorobenzene	U		0.000366	0.00120	1	03/17/2018 18:48	WG1085897
1,3-Dichlorobenzene	U		0.000287	0.00120	1	03/17/2018 18:48	WG1085897
1,4-Dichlorobenzene	U		0.000271	0.00120	1	03/17/2018 18:48	WG1085897
Dichlorodifluoromethane	U		0.000855	0.00600	1	03/17/2018 18:48	WG1085897
1,1-Dichloroethane	U		0.000239	0.00120	1	03/17/2018 18:48	WG1085897
1,2-Dichloroethane	U		0.000318	0.00120	1	03/17/2018 18:48	WG1085897
1,1-Dichloroethene	U		0.000363	0.00120	1	03/17/2018 18:48	WG1085897
cis-1,2-Dichloroethene	0.00158		0.000282	0.00120	1	03/22/2018 02:08	WG1085897
trans-1,2-Dichloroethene	U		0.000317	0.00120	1	03/17/2018 18:48	WG1085897
1,2-Dichloropropane	U		0.000429	0.00120	1	03/17/2018 18:48	WG1085897
1,1-Dichloropropene	U		0.000380	0.00120	1	03/17/2018 18:48	WG1085897
1,3-Dichloropropane	U		0.000248	0.00120	1	03/17/2018 18:48	WG1085897
cis-1,3-Dichloropropene	U		0.000314	0.00120	1	03/17/2018 18:48	WG1085897
trans-1,3-Dichloropropene	U		0.000320	0.00120	1	03/17/2018 18:48	WG1085897
trans-1,4-Dichloro-2-butene	U	J0 UJ	0.000933	0.00300	1	03/17/2018 18:48	WG1085897
2,2-Dichloropropane	U		0.000335	0.00120	1	03/17/2018 18:48	WG1085897
Di-isopropyl ether	U		0.000297	0.00120	1	03/17/2018 18:48	WG1085897
Ethylbenzene	U		0.000356	0.00120	1	03/17/2018 18:48	WG1085897
Hexachloro-1,3-butadiene	U		0.000410	0.00120	1	03/17/2018 18:48	WG1085897
2-Hexanone	U		0.00164	0.0120	1	03/17/2018 18:48	WG1085897
n-Hexane	U		0.000348	0.0120	1	03/17/2018 18:48	WG1085897
Iodomethane	U	J4	0.00303	0.0120	1	03/17/2018 18:48	WG1085897
Isopropylbenzene	U		0.000291	0.00120	1	03/17/2018 18:48	WG1085897
p-Isopropyltoluene	U		0.000245	0.00120	1	03/17/2018 18:48	WG1085897
2-Butanone (MEK)	U		0.00561	0.0120	1	03/17/2018 18:48	WG1085897
Methylene Chloride	U		0.00120	0.00600	1	03/17/2018 18:48	WG1085897
4-Methyl-2-pentanone (MIBK)	U		0.00225	0.0120	1	03/17/2018 18:48	WG1085897

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000254	0.00120	1	03/17/2018 18:48	WG1085897
Naphthalene	U		0.00120	0.00600	1	03/17/2018 18:48	WG1085897
n-Propylbenzene	U		0.000247	0.00120	1	03/17/2018 18:48	WG1085897
Styrene	U		0.000281	0.00120	1	03/17/2018 18:48	WG1085897
1,1,1,2-Tetrachloroethane	U		0.000317	0.00120	1	03/17/2018 18:48	WG1085897
1,1,2,2-Tetrachloroethane	U		0.000438	0.00120	1	03/17/2018 18:48	WG1085897
1,1,2-Trichlorotrifluoroethane	U	J4	0.000438	0.00120	1	03/17/2018 18:48	WG1085897
Tetrachloroethene	0.0191		0.000331	0.00120	1	03/22/2018 02:08	WG1085897
Toluene	U		0.000521	0.00600	1	03/17/2018 18:48	WG1085897
1,2,3-Trichlorobenzene	U		0.000367	0.00120	1	03/17/2018 18:48	WG1085897
1,2,4-Trichlorobenzene	U		0.000465	0.00120	1	03/17/2018 18:48	WG1085897
1,1,1-Trichloroethane	U		0.000343	0.00120	1	03/17/2018 18:48	WG1085897
1,1,2-Trichloroethane	U		0.000332	0.00120	1	03/17/2018 18:48	WG1085897
Trichloroethene	0.000468	J J	0.000335	0.00120	1	03/22/2018 02:08	WG1085897
Trichlorofluoromethane	U	J0 UJ	0.000458	0.00600	1	03/17/2018 18:48	WG1085897
1,2,3-Trichloropropane	U		0.000889	0.00300	1	03/17/2018 18:48	WG1085897
1,2,4-Trimethylbenzene	U		0.000253	0.00120	1	03/17/2018 18:48	WG1085897
1,2,3-Trimethylbenzene	U		0.000344	0.00120	1	03/17/2018 18:48	WG1085897
1,3,5-Trimethylbenzene	U		0.000319	0.00120	1	03/17/2018 18:48	WG1085897
Vinyl acetate	U		0.00287	0.0120	1	03/17/2018 18:48	WG1085897
Vinyl chloride	0.000360	J J	0.000349	0.00120	1	03/17/2018 18:48	WG1085897
Xylenes, Total	U		0.000837	0.00360	1	03/17/2018 18:48	WG1085897
(S) Toluene-d8	*103*			*80.0-120*		*03/17/2018 18:48*	WG1085897
(S) Toluene-d8	*95.5*			*80.0-120*		*03/22/2018 02:08*	WG1085897
(S) Dibromofluoromethane	*102*			*74.0-131*		*03/22/2018 02:08*	WG1085897
(S) Dibromofluoromethane	*104*			*74.0-131*		*03/17/2018 18:48*	WG1085897
(S) 4-Bromofluorobenzene	*100*			*64.0-132*		*03/17/2018 18:48*	WG1085897
(S) 4-Bromofluorobenzene	*95.5*			*64.0-132*		*03/22/2018 02:08*	WG1085897

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Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	84.2		1	03/20/2018 11:29	WG1086786

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch	
Acetone	U		0.0119	0.0594	1	03/17/2018 19:09	WG1085897	
Acrylonitrile	U		0.00212	0.0119	1	03/17/2018 19:09	WG1085897	
Benzene	U		0.000320	0.00119	1	03/17/2018 19:09	WG1085897	
Bromobenzene	U		0.000337	0.00119	1	03/17/2018 19:09	WG1085897	
Bromodichloromethane	U		0.000302	0.00119	1	03/17/2018 19:09	WG1085897	
Bromochloromethane	U		0.000463	0.00594	1	03/17/2018 19:09	WG1085897	
Bromoform	U		0.000503	0.00119	1	03/17/2018 19:09	WG1085897	
Bromomethane	U		0.00159	0.00594	1	03/17/2018 19:09	WG1085897	
n-Butylbenzene	U		0.000306	0.00119	1	03/17/2018 19:09	WG1085897	
sec-Butylbenzene	U		0.000239	0.00119	1	03/17/2018 19:09	WG1085897	
tert-Butylbenzene	U		0.000245	0.00119	1	03/17/2018 19:09	WG1085897	
Carbon disulfide	U		0.000262	0.00119	1	03/17/2018 19:09	WG1085897	
Carbon tetrachloride	U		0.000389	0.00119	1	03/17/2018 19:09	WG1085897	
Chlorobenzene	U		0.000252	0.00119	1	03/17/2018 19:09	WG1085897	
Chlorodibromomethane	U		0.000443	0.00119	1	03/17/2018 19:09	WG1085897	
Chloroethane	U		0.00112	0.00594	1	03/17/2018 19:09	WG1085897	
Chloroform	U		0.000272	0.00594	1	03/17/2018 19:09	WG1085897	
Chloromethane	U		0.000445	0.00297	1	03/17/2018 19:09	WG1085897	
2-Chlorotoluene	U		0.000357	0.00119	1	03/17/2018 19:09	WG1085897	
4-Chlorotoluene	U		0.000285	0.00119	1	03/17/2018 19:09	WG1085897	
1,2-Dibromo-3-Chloropropane	U		0.00125	0.00594	1	03/17/2018 19:09	WG1085897	
1,2-Dibromoethane	U		0.000407	0.00119	1	03/17/2018 19:09	WG1085897	
Dibromomethane	U		0.000453	0.00119	1	03/17/2018 19:09	WG1085897	
1,2-Dichlorobenzene	U		0.000362	0.00119	1	03/17/2018 19:09	WG1085897	
1,3-Dichlorobenzene	U		0.000284	0.00119	1	03/17/2018 19:09	WG1085897	
1,4-Dichlorobenzene	U		0.000268	0.00119	1	03/17/2018 19:09	WG1085897	
Dichlorodifluoromethane	U		0.000846	0.00594	1	03/17/2018 19:09	WG1085897	
1,1-Dichloroethane	U		0.000236	0.00119	1	03/17/2018 19:09	WG1085897	
1,2-Dichloroethane	U		0.000315	0.00119	1	03/17/2018 19:09	WG1085897	
1,1-Dichloroethene	U		0.000360	0.00119	1	03/17/2018 19:09	WG1085897	
cis-1,2-Dichloroethene	0.0327		0.000279	0.00119	1	03/17/2018 19:09	WG1085897	
trans-1,2-Dichloroethene	U		0.000313	0.00119	1	03/17/2018 19:09	WG1085897	
1,2-Dichloropropane	U		0.000425	0.00119	1	03/17/2018 19:09	WG1085897	
1,1-Dichloropropene	U		0.000376	0.00119	1	03/17/2018 19:09	WG1085897	
1,3-Dichloropropane	U		0.000246	0.00119	1	03/17/2018 19:09	WG1085897	
cis-1,3-Dichloropropene	U		0.000311	0.00119	1	03/17/2018 19:09	WG1085897	
trans-1,3-Dichloropropene	U		0.000317	0.00119	1	03/17/2018 19:09	WG1085897	
trans-1,4-Dichloro-2-butene	U	J0 UJ	0.000924	0.00297	1	03/17/2018 19:09	WG1085897	
2,2-Dichloropropane	U		0.000331	0.00119	1	03/17/2018 19:09	WG1085897	
Di-isopropyl ether	U		0.000294	0.00119	1	03/17/2018 19:09	WG1085897	
Ethylbenzene	U		0.000353	0.00119	1	03/17/2018 19:09	WG1085897	
Hexachloro-1,3-butadiene	U		0.000406	0.00119	1	03/17/2018 19:09	WG1085897	
2-Hexanone	U		0.00163	0.0119	1	03/17/2018 19:09	WG1085897	
n-Hexane	U		0.000344	0.0119	1	03/17/2018 19:09	WG1085897	
Iodomethane	U	J4	0.00300	0.0119	1	03/17/2018 19:09	WG1085897	
Isopropylbenzene	U		0.000288	0.00119	1	03/17/2018 19:09	WG1085897	
p-Isopropyltoluene	U		0.000242	0.00119	1	03/17/2018 19:09	WG1085897	
2-Butanone (MEK)	U		0.00556	0.0119	1	03/17/2018 19:09	WG1085897	
Methylene Chloride	U		0.00119	0.00594	1	03/17/2018 19:09	WG1085897	JC 4/12/18
4-Methyl-2-pentanone (MIBK)	U		0.00223	0.0119	1	03/17/2018 19:09	WG1085897	

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000252	0.00119	1	03/17/2018 19:09	WG1085897
Naphthalene	U		0.00119	0.00594	1	03/17/2018 19:09	WG1085897
n-Propylbenzene	U		0.000245	0.00119	1	03/17/2018 19:09	WG1085897
Styrene	U		0.000278	0.00119	1	03/17/2018 19:09	WG1085897
1,1,1,2-Tetrachloroethane	U		0.000313	0.00119	1	03/17/2018 19:09	WG1085897
1,1,2,2-Tetrachloroethane	U		0.000433	0.00119	1	03/17/2018 19:09	WG1085897
1,1,2-Trichlorotrifluoroethane	U	J4	0.000433	0.00119	1	03/17/2018 19:09	WG1085897
Tetrachloroethene	1.96		0.00819	0.0297	25	03/22/2018 06:05	WG1085897
Toluene	U		0.000515	0.00594	1	03/17/2018 19:09	WG1085897
1,2,3-Trichlorobenzene	U		0.000363	0.00119	1	03/17/2018 19:09	WG1085897
1,2,4-Trichlorobenzene	U		0.000461	0.00119	1	03/17/2018 19:09	WG1085897
1,1,1-Trichloroethane	U		0.000339	0.00119	1	03/17/2018 19:09	WG1085897
1,1,2-Trichloroethane	U		0.000329	0.00119	1	03/17/2018 19:09	WG1085897
Trichloroethene	0.0138		0.000331	0.00119	1	03/17/2018 19:09	WG1085897
Trichlorofluoromethane	U	J0 UJ	0.000453	0.00594	1	03/17/2018 19:09	WG1085897
1,2,3-Trichloropropane	U		0.000880	0.00297	1	03/17/2018 19:09	WG1085897
1,2,4-Trimethylbenzene	U		0.000250	0.00119	1	03/17/2018 19:09	WG1085897
1,2,3-Trimethylbenzene	U		0.000341	0.00119	1	03/17/2018 19:09	WG1085897
1,3,5-Trimethylbenzene	U		0.000316	0.00119	1	03/17/2018 19:09	WG1085897
Vinyl acetate	U		0.00284	0.0119	1	03/17/2018 19:09	WG1085897
Vinyl chloride	0.00139		0.000345	0.00119	1	03/17/2018 19:09	WG1085897
Xylenes, Total	U		0.000829	0.00356	1	03/17/2018 19:09	WG1085897
(S) Toluene-d8	*92.0*			*80.0-120*		*03/22/2018 06:05*	WG1085897
(S) Toluene-d8	*98.0*			*80.0-120*		*03/17/2018 19:09*	WG1085897
(S) Dibromofluoromethane	*90.3*			*74.0-131*		*03/22/2018 06:05*	WG1085897
(S) Dibromofluoromethane	*107*			*74.0-131*		*03/17/2018 19:09*	WG1085897
(S) 4-Bromofluorobenzene	*91.2*			*64.0-132*		*03/22/2018 06:05*	WG1085897
(S) 4-Bromofluorobenzene	*101*			*64.0-132*		*03/17/2018 19:09*	WG1085897

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Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	89.3		1	03/20/2018 11:29	WG1086786

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0112	0.0560	1	03/17/2018 19:29	WG1085897
Acrylonitrile	U		0.00200	0.0112	1	03/17/2018 19:29	WG1085897
Benzene	U		0.000302	0.00112	1	03/17/2018 19:29	WG1085897
Bromobenzene	U		0.000318	0.00112	1	03/17/2018 19:29	WG1085897
Bromodichloromethane	U		0.000284	0.00112	1	03/17/2018 19:29	WG1085897
Bromochloromethane	U		0.000437	0.00560	1	03/17/2018 19:29	WG1085897
Bromoform	U		0.000475	0.00112	1	03/17/2018 19:29	WG1085897
Bromomethane	U		0.00150	0.00560	1	03/17/2018 19:29	WG1085897
n-Butylbenzene	U		0.000289	0.00112	1	03/17/2018 19:29	WG1085897
sec-Butylbenzene	U		0.000225	0.00112	1	03/17/2018 19:29	WG1085897
tert-Butylbenzene	U		0.000231	0.00112	1	03/17/2018 19:29	WG1085897
Carbon disulfide	U		0.000247	0.00112	1	03/17/2018 19:29	WG1085897
Carbon tetrachloride	U		0.000367	0.00112	1	03/17/2018 19:29	WG1085897
Chlorobenzene	U		0.000237	0.00112	1	03/17/2018 19:29	WG1085897
Chlorodibromomethane	U		0.000418	0.00112	1	03/17/2018 19:29	WG1085897
Chloroethane	U		0.00106	0.00560	1	03/17/2018 19:29	WG1085897
Chloroform	U		0.000256	0.00560	1	03/17/2018 19:29	WG1085897
Chloromethane	U		0.000420	0.00280	1	03/17/2018 19:29	WG1085897
2-Chlorotoluene	U		0.000337	0.00112	1	03/17/2018 19:29	WG1085897
4-Chlorotoluene	U		0.000269	0.00112	1	03/17/2018 19:29	WG1085897
1,2-Dibromo-3-Chloropropane	U		0.00118	0.00560	1	03/17/2018 19:29	WG1085897
1,2-Dibromoethane	U		0.000384	0.00112	1	03/17/2018 19:29	WG1085897
Dibromomethane	U		0.000428	0.00112	1	03/17/2018 19:29	WG1085897
1,2-Dichlorobenzene	U		0.000341	0.00112	1	03/17/2018 19:29	WG1085897
1,3-Dichlorobenzene	U		0.000268	0.00112	1	03/17/2018 19:29	WG1085897
1,4-Dichlorobenzene	U		0.000253	0.00112	1	03/17/2018 19:29	WG1085897
Dichlorodifluoromethane	U		0.000798	0.00560	1	03/17/2018 19:29	WG1085897
1,1-Dichloroethane	U		0.000223	0.00112	1	03/17/2018 19:29	WG1085897
1,2-Dichloroethane	U		0.000297	0.00112	1	03/17/2018 19:29	WG1085897
1,1-Dichloroethene	U		0.000339	0.00112	1	03/17/2018 19:29	WG1085897
cis-1,2-Dichloroethene	0.00864		0.000263	0.00112	1	03/17/2018 19:29	WG1085897
trans-1,2-Dichloroethene	U		0.000296	0.00112	1	03/17/2018 19:29	WG1085897
1,2-Dichloropropane	U		0.000401	0.00112	1	03/17/2018 19:29	WG1085897
1,1-Dichloropropene	U		0.000355	0.00112	1	03/17/2018 19:29	WG1085897
1,3-Dichloropropane	U		0.000232	0.00112	1	03/17/2018 19:29	WG1085897
cis-1,3-Dichloropropene	U		0.000293	0.00112	1	03/17/2018 19:29	WG1085897
trans-1,3-Dichloropropene	U		0.000299	0.00112	1	03/17/2018 19:29	WG1085897
trans-1,4-Dichloro-2-butene	U	J0 UJ	0.000871	0.00280	1	03/17/2018 19:29	WG1085897
2,2-Dichloropropane	U		0.000312	0.00112	1	03/17/2018 19:29	WG1085897
Di-isopropyl ether	U		0.000278	0.00112	1	03/17/2018 19:29	WG1085897
Ethylbenzene	U		0.000332	0.00112	1	03/17/2018 19:29	WG1085897
Hexachloro-1,3-butadiene	U		0.000383	0.00112	1	03/17/2018 19:29	WG1085897
2-Hexanone	U		0.00153	0.0112	1	03/17/2018 19:29	WG1085897
n-Hexane	U		0.000325	0.0112	1	03/17/2018 19:29	WG1085897
Iodomethane	U	J4	0.00283	0.0112	1	03/17/2018 19:29	WG1085897
Isopropylbenzene	U		0.000272	0.00112	1	03/17/2018 19:29	WG1085897
p-Isopropyltoluene	U		0.000228	0.00112	1	03/17/2018 19:29	WG1085897
2-Butanone (MEK)	U		0.00524	0.0112	1	03/17/2018 19:29	WG1085897
Methylene Chloride	U		0.00112	0.00560	1	03/17/2018 19:29	WG1085897
4-Methyl-2-pentanone (MIBK)	U		0.00210	0.0112	1	03/17/2018 19:29	WG1085897

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier		MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U			0.000237	0.00112	1	03/17/2018 19:29	WG1085897
Naphthalene	U			0.00112	0.00560	1	03/17/2018 19:29	WG1085897
n-Propylbenzene	U			0.000231	0.00112	1	03/17/2018 19:29	WG1085897
Styrene	U			0.000262	0.00112	1	03/17/2018 19:29	WG1085897
1,1,1,2-Tetrachloroethane	U			0.000296	0.00112	1	03/17/2018 19:29	WG1085897
1,1,2,2-Tetrachloroethane	U			0.000409	0.00112	1	03/17/2018 19:29	WG1085897
1,1,2-Trichlorotrifluoroethane	U	J4		0.000409	0.00112	1	03/17/2018 19:29	WG1085897
Tetrachloroethene	0.0850			0.00772	0.0280	25	03/22/2018 12:21	WG1085897
Toluene	U			0.000486	0.00560	1	03/17/2018 19:29	WG1085897
1,2,3-Trichlorobenzene	U			0.000343	0.00112	1	03/17/2018 19:29	WG1085897
1,2,4-Trichlorobenzene	U			0.000434	0.00112	1	03/17/2018 19:29	WG1085897
1,1,1-Trichloroethane	U			0.000320	0.00112	1	03/17/2018 19:29	WG1085897
1,1,2-Trichloroethane	U			0.000310	0.00112	1	03/17/2018 19:29	WG1085897
Trichloroethene	0.00383			0.000312	0.00112	1	03/17/2018 19:29	WG1085897
Trichlorofluoromethane	U	J0	UJ	0.000428	0.00560	1	03/17/2018 19:29	WG1085897
1,2,3-Trichloropropane	U			0.000829	0.00280	1	03/17/2018 19:29	WG1085897
1,2,4-Trimethylbenzene	U			0.000236	0.00112	1	03/17/2018 19:29	WG1085897
1,2,3-Trimethylbenzene	U			0.000321	0.00112	1	03/17/2018 19:29	WG1085897
1,3,5-Trimethylbenzene	U			0.000298	0.00112	1	03/17/2018 19:29	WG1085897
Vinyl acetate	U			0.00268	0.0112	1	03/17/2018 19:29	WG1085897
Vinyl chloride	0.000586	J	J	0.000326	0.00112	1	03/17/2018 19:29	WG1085897
Xylenes, Total	U			0.000781	0.00336	1	03/17/2018 19:29	WG1085897
(S) Toluene-d8	*101*				*80.0-120*		*03/17/2018 19:29*	WG1085897
(S) Toluene-d8	*106*				*80.0-120*		*03/22/2018 12:21*	WG1085897
(S) Dibromofluoromethane	*108*				*74.0-131*		*03/17/2018 19:29*	WG1085897
(S) Dibromofluoromethane	*96.9*				*74.0-131*		*03/22/2018 12:21*	WG1085897
(S) 4-Bromofluorobenzene	*89.2*				*64.0-132*		*03/22/2018 12:21*	WG1085897
(S) 4-Bromofluorobenzene	*105*				*64.0-132*		*03/17/2018 19:29*	WG1085897

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

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Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	90.1		1	03/20/2018 11:29	WG1086786

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0111	0.0555	1	03/17/2018 19:50	WG1085897
Acrylonitrile	U		0.00199	0.0111	1	03/17/2018 19:50	WG1085897
Benzene	U		0.000300	0.00111	1	03/17/2018 19:50	WG1085897
Bromobenzene	U		0.000315	0.00111	1	03/17/2018 19:50	WG1085897
Bromodichloromethane	U		0.000282	0.00111	1	03/17/2018 19:50	WG1085897
Bromochloromethane	U		0.000433	0.00555	1	03/17/2018 19:50	WG1085897
Bromoform	U		0.000471	0.00111	1	03/17/2018 19:50	WG1085897
Bromomethane	U		0.00149	0.00555	1	03/17/2018 19:50	WG1085897
n-Butylbenzene	U		0.000286	0.00111	1	03/17/2018 19:50	WG1085897
sec-Butylbenzene	U		0.000223	0.00111	1	03/17/2018 19:50	WG1085897
tert-Butylbenzene	U		0.000229	0.00111	1	03/17/2018 19:50	WG1085897
Carbon disulfide	0.000336	J J	0.000245	0.00111	1	03/17/2018 19:50	WG1085897
Carbon tetrachloride	U		0.000364	0.00111	1	03/17/2018 19:50	WG1085897
Chlorobenzene	U		0.000235	0.00111	1	03/17/2018 19:50	WG1085897
Chlorodibromomethane	U		0.000414	0.00111	1	03/17/2018 19:50	WG1085897
Chloroethane	U		0.00105	0.00555	1	03/17/2018 19:50	WG1085897
Chloroform	U		0.000254	0.00555	1	03/17/2018 19:50	WG1085897
Chloromethane	0.00634		0.000416	0.00277	1	03/17/2018 19:50	WG1085897
2-Chlorotoluene	U		0.000334	0.00111	1	03/17/2018 19:50	WG1085897
4-Chlorotoluene	U		0.000266	0.00111	1	03/17/2018 19:50	WG1085897
1,2-Dibromo-3-Chloropropane	U		0.00117	0.00555	1	03/17/2018 19:50	WG1085897
1,2-Dibromoethane	U		0.000381	0.00111	1	03/17/2018 19:50	WG1085897
Dibromomethane	U		0.000424	0.00111	1	03/17/2018 19:50	WG1085897
1,2-Dichlorobenzene	U		0.000338	0.00111	1	03/17/2018 19:50	WG1085897
1,3-Dichlorobenzene	U		0.000265	0.00111	1	03/17/2018 19:50	WG1085897
1,4-Dichlorobenzene	U		0.000251	0.00111	1	03/17/2018 19:50	WG1085897
Dichlorodifluoromethane	U		0.000791	0.00555	1	03/17/2018 19:50	WG1085897
1,1-Dichloroethane	U		0.000221	0.00111	1	03/17/2018 19:50	WG1085897
1,2-Dichloroethane	U		0.000294	0.00111	1	03/17/2018 19:50	WG1085897
1,1-Dichloroethene	0.000495	J J	0.000336	0.00111	1	03/17/2018 19:50	WG1085897
cis-1,2-Dichloroethene	0.108		0.000261	0.00111	1	03/17/2018 19:50	WG1085897
trans-1,2-Dichloroethene	0.000329	J J	0.000293	0.00111	1	03/17/2018 19:50	WG1085897
1,2-Dichloropropane	U		0.000397	0.00111	1	03/17/2018 19:50	WG1085897
1,1-Dichloropropene	U		0.000352	0.00111	1	03/17/2018 19:50	WG1085897
1,3-Dichloropropane	U		0.000230	0.00111	1	03/17/2018 19:50	WG1085897
cis-1,3-Dichloropropene	U		0.000291	0.00111	1	03/17/2018 19:50	WG1085897
trans-1,3-Dichloropropene	U		0.000296	0.00111	1	03/17/2018 19:50	WG1085897
trans-1,4-Dichloro-2-butene	U	J0 UJ	0.000863	0.00277	1	03/17/2018 19:50	WG1085897
2,2-Dichloropropane	U		0.000310	0.00111	1	03/17/2018 19:50	WG1085897
Di-isopropyl ether	U		0.000275	0.00111	1	03/17/2018 19:50	WG1085897
Ethylbenzene	U		0.000330	0.00111	1	03/17/2018 19:50	WG1085897
Hexachloro-1,3-butadiene	U		0.000380	0.00111	1	03/17/2018 19:50	WG1085897
2-Hexanone	U		0.00152	0.0111	1	03/17/2018 19:50	WG1085897
n-Hexane	U		0.000322	0.0111	1	03/17/2018 19:50	WG1085897
Iodomethane	U	J4	0.00281	0.0111	1	03/17/2018 19:50	WG1085897
Isopropylbenzene	U		0.000270	0.00111	1	03/17/2018 19:50	WG1085897
p-Isopropyltoluene	U		0.000226	0.00111	1	03/17/2018 19:50	WG1085897
2-Butanone (MEK)	U		0.00519	0.0111	1	03/17/2018 19:50	WG1085897
Methylene Chloride	U		0.00111	0.00555	1	03/17/2018 19:50	WG1085897
4-Methyl-2-pentanone (MIBK)	U		0.00209	0.0111	1	03/17/2018 19:50	WG1085897

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000235	0.00111	1	03/17/2018 19:50	WG1085897
Naphthalene	U		0.00111	0.00555	1	03/17/2018 19:50	WG1085897
n-Propylbenzene	U		0.000229	0.00111	1	03/17/2018 19:50	WG1085897
Styrene	U		0.000260	0.00111	1	03/17/2018 19:50	WG1085897
1,1,1,2-Tetrachloroethane	U		0.000293	0.00111	1	03/17/2018 19:50	WG1085897
1,1,2,2-Tetrachloroethane	U		0.000405	0.00111	1	03/17/2018 19:50	WG1085897
1,1,2-Trichlorotrifluoroethane	U	J4	0.000405	0.00111	1	03/17/2018 19:50	WG1085897
Tetrachloroethene	0.955		0.00766	0.0277	25	03/22/2018 06:44	WG1085897
Toluene	U		0.000482	0.00555	1	03/17/2018 19:50	WG1085897
1,2,3-Trichlorobenzene	U		0.000340	0.00111	1	03/17/2018 19:50	WG1085897
1,2,4-Trichlorobenzene	U		0.000431	0.00111	1	03/17/2018 19:50	WG1085897
1,1,1-Trichloroethane	U		0.000317	0.00111	1	03/17/2018 19:50	WG1085897
1,1,2-Trichloroethane	U		0.000307	0.00111	1	03/17/2018 19:50	WG1085897
Trichloroethene	0.0566		0.000310	0.00111	1	03/17/2018 19:50	WG1085897
Trichlorofluoromethane	U	J0 UJ	0.000424	0.00555	1	03/17/2018 19:50	WG1085897
1,2,3-Trichloropropane	U		0.000822	0.00277	1	03/17/2018 19:50	WG1085897
1,2,4-Trimethylbenzene	U		0.000234	0.00111	1	03/17/2018 19:50	WG1085897
1,2,3-Trimethylbenzene	U		0.000318	0.00111	1	03/17/2018 19:50	WG1085897
1,3,5-Trimethylbenzene	U		0.000295	0.00111	1	03/17/2018 19:50	WG1085897
Vinyl acetate	U		0.00265	0.0111	1	03/17/2018 19:50	WG1085897
Vinyl chloride	0.00405		0.000323	0.00111	1	03/17/2018 19:50	WG1085897
Xylenes, Total	U		0.000775	0.00333	1	03/17/2018 19:50	WG1085897
(S) Toluene-d8	*100*			*80.0-120*		*03/22/2018 06:44*	WG1085897
(S) Toluene-d8	*98.0*			*80.0-120*		*03/17/2018 19:50*	WG1085897
(S) Dibromofluoromethane	*103*			*74.0-131*		*03/17/2018 19:50*	WG1085897
(S) Dibromofluoromethane	*93.7*			*74.0-131*		*03/22/2018 06:44*	WG1085897
(S) 4-Bromofluorobenzene	*90.7*			*64.0-132*		*03/22/2018 06:44*	WG1085897
(S) 4-Bromofluorobenzene	*103*			*64.0-132*		*03/17/2018 19:50*	WG1085897

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1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		1.05	25.0	1	03/16/2018 01:33	WG1085337
Acrylonitrile	U		0.873	5.00	1	03/16/2018 01:33	WG1085337
Benzene	U		0.0896	0.500	1	03/16/2018 01:33	WG1085337
Bromobenzene	U		0.133	0.500	1	03/16/2018 01:33	WG1085337
Bromodichloromethane	U		0.0800	0.500	1	03/16/2018 01:33	WG1085337
Bromochloromethane	U		0.145	0.500	1	03/16/2018 01:33	WG1085337
Bromoform	U		0.186	0.500	1	03/16/2018 01:33	WG1085337
Bromomethane	U		0.157	2.50	1	03/16/2018 01:33	WG1085337
n-Butylbenzene	U		0.143	0.500	1	03/16/2018 01:33	WG1085337
sec-Butylbenzene	U		0.134	0.500	1	03/16/2018 01:33	WG1085337
tert-Butylbenzene	U		0.183	0.500	1	03/16/2018 01:33	WG1085337
Carbon disulfide	U		0.101	0.500	1	03/16/2018 01:33	WG1085337
Carbon tetrachloride	U		0.159	0.500	1	03/16/2018 01:33	WG1085337
Chlorobenzene	U		0.140	0.500	1	03/16/2018 01:33	WG1085337
Chlorodibromomethane	U		0.128	0.500	1	03/16/2018 01:33	WG1085337
Chloroethane	U		0.141	2.50	1	03/16/2018 01:33	WG1085337
Chloroform	U		0.0860	0.500	1	03/16/2018 01:33	WG1085337
Chloromethane	U		0.153	1.25	1	03/16/2018 01:33	WG1085337
2-Chlorotoluene	U		0.111	0.500	1	03/16/2018 01:33	WG1085337
4-Chlorotoluene	U		0.0972	0.500	1	03/16/2018 01:33	WG1085337
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	03/16/2018 01:33	WG1085337
1,2-Dibromoethane	U		0.193	0.500	1	03/16/2018 01:33	WG1085337
Dibromomethane	U		0.117	0.500	1	03/16/2018 01:33	WG1085337
1,2-Dichlorobenzene	U		0.101	0.500	1	03/16/2018 01:33	WG1085337
1,3-Dichlorobenzene	U		0.130	0.500	1	03/16/2018 01:33	WG1085337
1,4-Dichlorobenzene	U		0.121	0.500	1	03/16/2018 01:33	WG1085337
Dichlorodifluoromethane	U		0.127	2.50	1	03/16/2018 01:33	WG1085337
1,1-Dichloroethane	U		0.114	0.500	1	03/16/2018 01:33	WG1085337
1,2-Dichloroethane	U		0.108	0.500	1	03/16/2018 01:33	WG1085337
1,1-Dichloroethene	U		0.188	0.500	1	03/16/2018 01:33	WG1085337
cis-1,2-Dichloroethene	U		0.0933	0.500	1	03/16/2018 01:33	WG1085337
trans-1,2-Dichloroethene	U		0.152	0.500	1	03/16/2018 01:33	WG1085337
1,2-Dichloropropane	U		0.190	0.500	1	03/16/2018 01:33	WG1085337
1,1-Dichloropropene	U		0.128	0.500	1	03/16/2018 01:33	WG1085337
1,3-Dichloropropane	U		0.147	1.00	1	03/16/2018 01:33	WG1085337
cis-1,3-Dichloropropene	U		0.0976	0.500	1	03/16/2018 01:33	WG1085337
trans-1,3-Dichloropropene	U		0.222	0.500	1	03/16/2018 01:33	WG1085337
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	03/16/2018 01:33	WG1085337
2,2-Dichloropropane	U		0.0929	0.500	1	03/16/2018 01:33	WG1085337
Di-isopropyl ether	U		0.0924	0.500	1	03/16/2018 01:33	WG1085337
Ethylbenzene	U		0.158	0.500	1	03/16/2018 01:33	WG1085337
Hexachloro-1,3-butadiene	U		0.157	1.00	1	03/16/2018 01:33	WG1085337
2-Hexanone	U		0.757	5.00	1	03/16/2018 01:33	WG1085337
n-Hexane	U		0.305	5.00	1	03/16/2018 01:33	WG1085337
Iodomethane	U		0.377	10.0	1	03/16/2018 01:33	WG1085337
Isopropylbenzene	U		0.126	0.500	1	03/16/2018 01:33	WG1085337
p-Isopropyltoluene	U		0.138	0.500	1	03/16/2018 01:33	WG1085337
2-Butanone (MEK)	U		1.28	5.00	1	03/16/2018 01:33	WG1085337
Methylene Chloride	U		1.07	2.50	1	03/16/2018 01:33	WG1085337
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	03/16/2018 01:33	WG1085337
Methyl tert-butyl ether	U		0.102	0.500	1	03/16/2018 01:33	WG1085337
Naphthalene	U		0.174	2.50	1	03/16/2018 01:33	WG1085337
n-Propylbenzene	U		0.162	0.500	1	03/16/2018 01:33	WG1085337
Styrene	U		0.117	0.500	1	03/16/2018 01:33	WG1085337
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	03/16/2018 01:33	WG1085337
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	03/16/2018 01:33	WG1085337

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	03/16/2018 01:33	WG1085337
Tetrachloroethene	U		0.199	0.500	1	03/16/2018 01:33	WG1085337
Toluene	U		0.412	0.500	1	03/16/2018 01:33	WG1085337
1,2,3-Trichlorobenzene	U		0.164	0.500	1	03/16/2018 01:33	WG1085337
1,2,4-Trichlorobenzene	U		0.355	0.500	1	03/16/2018 01:33	WG1085337
1,1,1-Trichloroethane	U		0.0940	0.500	1	03/16/2018 01:33	WG1085337
1,1,2-Trichloroethane	U		0.186	0.500	1	03/16/2018 01:33	WG1085337
Trichloroethene	U		0.153	0.500	1	03/16/2018 01:33	WG1085337
Trichlorofluoromethane	U		0.130	2.50	1	03/16/2018 01:33	WG1085337
1,2,3-Trichloropropane	U		0.247	2.50	1	03/16/2018 01:33	WG1085337
1,2,4-Trimethylbenzene	U		0.123	0.500	1	03/16/2018 01:33	WG1085337
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	03/16/2018 01:33	WG1085337
1,3,5-Trimethylbenzene	U		0.124	0.500	1	03/16/2018 01:33	WG1085337
Vinyl acetate	U		0.645	5.00	1	03/16/2018 01:33	WG1085337
Vinyl chloride	U		0.118	0.500	1	03/16/2018 01:33	WG1085337
Xylenes, Total	U		0.316	1.50	1	03/16/2018 01:33	WG1085337
(S) Toluene-d8	*107*			*80.0-120*		*03/16/2018 01:33*	WG1085337
(S) Dibromofluoromethane	*87.2*			*76.0-123*		*03/16/2018 01:33*	WG1085337
(S) 4-Bromofluorobenzene	*96.2*			*80.0-120*		*03/16/2018 01:33*	WG1085337

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ANALYTICAL REPORT

March 28, 2018

PES Environmental, Inc.- WA

Sample Delivery Group:	L979219
Samples Received:	03/21/2018
Project Number:	1413.001.05.304
Description:	American Linen Supply Project

Report To:

Brian O'Neal/Bill Haldeman
1215 Fourth Ave., Suite 1350
Seattle, WA 98161

Entire Report Reviewed By: Brian Ford

Brian Ford
Technical Service Representative

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IW-7A-5 L979219-01 Solid

Collected by	Collected date/time	Received date/time
Rachel McLaughlin	03/16/18 08:50	03/21/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1089688	1	03/27/18 14:40	03/27/18 14:50	KDW
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1087938	1	03/16/18 08:50	03/22/18 20:28	BMB
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1088867	1	03/16/18 08:50	03/24/18 01:44	ACG

IW-7A-10 L979219-02 Solid

Collected by	Collected date/time	Received date/time
Rachel McLaughlin	03/16/18 09:00	03/21/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1089688	1	03/27/18 14:40	03/27/18 14:50	KDW
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1087938	25	03/16/18 09:00	03/22/18 21:12	BMB
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1088333	1	03/16/18 09:00	03/23/18 03:40	JHH
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1088333	1	03/16/18 09:00	03/25/18 13:06	JHH

IW-7A-15 L979219-03 Solid

Collected by	Collected date/time	Received date/time
Rachel McLaughlin	03/16/18 09:10	03/21/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1089688	1	03/27/18 14:40	03/27/18 14:50	KDW
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1087938	25	03/16/18 09:10	03/22/18 21:34	BMB
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1088867	25	03/16/18 09:10	03/24/18 05:40	ACG
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1088867	25	03/16/18 09:10	03/26/18 19:03	BMB

IW-7A-20 L979219-04 Solid

Collected by	Collected date/time	Received date/time
Rachel McLaughlin	03/16/18 09:25	03/21/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1089688	1	03/27/18 14:40	03/27/18 14:50	KDW
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1087938	25	03/16/18 09:25	03/22/18 21:56	BMB
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1088333	1	03/16/18 09:25	03/23/18 03:59	JHH
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1088333	1	03/16/18 09:25	03/25/18 13:25	JHH

IW-7A-25 L979219-05 Solid

Collected by	Collected date/time	Received date/time
Rachel McLaughlin	03/16/18 09:40	03/21/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1089688	1	03/27/18 14:40	03/27/18 14:50	KDW
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1087938	1	03/16/18 09:40	03/22/18 22:19	BMB
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1088867	1	03/16/18 09:40	03/24/18 02:04	ACG

IW-7A-30 L979219-06 Solid

Collected by	Collected date/time	Received date/time
Rachel McLaughlin	03/16/18 09:50	03/21/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1089688	1	03/27/18 14:40	03/27/18 14:50	KDW
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1087938	1	03/16/18 09:50	03/22/18 22:40	BMB
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1088867	1	03/16/18 09:50	03/24/18 02:23	ACG

Collected by	Collected date/time	Received date/time
Rachel McLaughlin	03/16/18 10:00	03/21/18 08:45

IW-7A-35 L979219-07 Solid

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1089688	1	03/27/18 14:40	03/27/18 14:50	KDW
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1087938	25	03/16/18 10:00	03/22/18 23:02	BMB
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1088333	1	03/16/18 10:00	03/23/18 04:18	JHH
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1088333	1	03/16/18 10:00	03/25/18 13:44	JHH

Collected by	Collected date/time	Received date/time
Rachel McLaughlin	03/16/18 10:10	03/21/18 08:45

IW-7A-40 L979219-08 Solid

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1089688	1	03/27/18 14:40	03/27/18 14:50	KDW
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1087938	1	03/16/18 10:10	03/22/18 23:25	BMB
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1088867	1	03/16/18 10:10	03/24/18 02:43	ACG

Collected by	Collected date/time	Received date/time
Rachel McLaughlin	03/16/18 10:20	03/21/18 08:45

IW-7A-45 L979219-09 Solid

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1089690	1	03/27/18 14:24	03/27/18 14:38	KDW
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1087938	1	03/16/18 10:20	03/22/18 23:47	BMB
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1088867	1	03/16/18 10:20	03/24/18 03:03	ACG

Collected by	Collected date/time	Received date/time
Rachel McLaughlin	03/16/18 10:35	03/21/18 08:45

IW-7A-50 L979219-10 Solid

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1089690	1	03/27/18 14:24	03/27/18 14:38	KDW
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1087938	1	03/16/18 10:35	03/23/18 00:09	BMB
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1089430	1	03/16/18 10:35	03/27/18 12:56	LRL

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All radiochemical sample results for solids are reported on a dry weight basis with the exception of tritium, carbon-14 and radon, unless wet weight was requested by the client. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Brian Ford

Brian Ford
Technical Service Representative

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	80.7		1	03/27/2018 14:50	WG1089688

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	0.799		0.0420	0.124	1	03/22/2018 20:28	WG1087938
(S) a,a,a-Trifluorotoluene(FID)	*92.9*			*77.0-120*		*03/22/2018 20:28*	WG1087938

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U	J0	0.0124	0.0620	1	03/24/2018 01:44	WG1088867
Acrylonitrile	U		0.00222	0.0124	1	03/24/2018 01:44	WG1088867
Benzene	0.0122		0.000335	0.00124	1	03/24/2018 01:44	WG1088867
Bromobenzene	U		0.000352	0.00124	1	03/24/2018 01:44	WG1088867
Bromodichloromethane	U		0.000315	0.00124	1	03/24/2018 01:44	WG1088867
Bromochloromethane	U		0.000483	0.00620	1	03/24/2018 01:44	WG1088867
Bromoform	U	J0	0.000525	0.00124	1	03/24/2018 01:44	WG1088867
Bromomethane	U		0.00166	0.00620	1	03/24/2018 01:44	WG1088867
n-Butylbenzene	U		0.000320	0.00124	1	03/24/2018 01:44	WG1088867
sec-Butylbenzene	U		0.000249	0.00124	1	03/24/2018 01:44	WG1088867
tert-Butylbenzene	U		0.000255	0.00124	1	03/24/2018 01:44	WG1088867
Carbon disulfide	U	J0	0.000274	0.00124	1	03/24/2018 01:44	WG1088867
Carbon tetrachloride	U		0.000406	0.00124	1	03/24/2018 01:44	WG1088867
Chlorobenzene	U		0.000263	0.00124	1	03/24/2018 01:44	WG1088867
Chlorodibromomethane	U		0.000462	0.00124	1	03/24/2018 01:44	WG1088867
Chloroethane	U		0.00117	0.00620	1	03/24/2018 01:44	WG1088867
Chloroform	U		0.000284	0.00620	1	03/24/2018 01:44	WG1088867
Chloromethane	U		0.000465	0.00310	1	03/24/2018 01:44	WG1088867
2-Chlorotoluene	U		0.000373	0.00124	1	03/24/2018 01:44	WG1088867
4-Chlorotoluene	U		0.000297	0.00124	1	03/24/2018 01:44	WG1088867
1,2-Dibromo-3-Chloropropane	U		0.00130	0.00620	1	03/24/2018 01:44	WG1088867
1,2-Dibromoethane	U		0.000425	0.00124	1	03/24/2018 01:44	WG1088867
Dibromomethane	U		0.000473	0.00124	1	03/24/2018 01:44	WG1088867
1,2-Dichlorobenzene	U		0.000378	0.00124	1	03/24/2018 01:44	WG1088867
1,3-Dichlorobenzene	U		0.000296	0.00124	1	03/24/2018 01:44	WG1088867
1,4-Dichlorobenzene	U		0.000280	0.00124	1	03/24/2018 01:44	WG1088867
Dichlorodifluoromethane	U		0.000884	0.00620	1	03/24/2018 01:44	WG1088867
1,1-Dichloroethane	U		0.000247	0.00124	1	03/24/2018 01:44	WG1088867
1,2-Dichloroethane	U		0.000328	0.00124	1	03/24/2018 01:44	WG1088867
1,1-Dichloroethene	U		0.000375	0.00124	1	03/24/2018 01:44	WG1088867
cis-1,2-Dichloroethene	0.00829		0.000291	0.00124	1	03/24/2018 01:44	WG1088867
trans-1,2-Dichloroethene	U		0.000327	0.00124	1	03/24/2018 01:44	WG1088867
1,2-Dichloropropane	U		0.000444	0.00124	1	03/24/2018 01:44	WG1088867
1,1-Dichloropropene	U		0.000393	0.00124	1	03/24/2018 01:44	WG1088867
1,3-Dichloropropane	U		0.000257	0.00124	1	03/24/2018 01:44	WG1088867
cis-1,3-Dichloropropene	U		0.000325	0.00124	1	03/24/2018 01:44	WG1088867
trans-1,3-Dichloropropene	U		0.000331	0.00124	1	03/24/2018 01:44	WG1088867
trans-1,4-Dichloro-2-butene	U		0.000964	0.00310	1	03/24/2018 01:44	WG1088867
2,2-Dichloropropane	U		0.000346	0.00124	1	03/24/2018 01:44	WG1088867
Di-isopropyl ether	U		0.000307	0.00124	1	03/24/2018 01:44	WG1088867
Ethylbenzene	0.00221		0.000368	0.00124	1	03/24/2018 01:44	WG1088867
Hexachloro-1,3-butadiene	U		0.000424	0.00124	1	03/24/2018 01:44	WG1088867
2-Hexanone	U		0.00170	0.0124	1	03/24/2018 01:44	WG1088867
n-Hexane	0.00194	J	0.000359	0.0124	1	03/24/2018 01:44	WG1088867

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Iodomethane	U		0.00314	0.0124	1	03/24/2018 01:44	WG1088867
Isopropylbenzene	U		0.000301	0.00124	1	03/24/2018 01:44	WG1088867
p-Isopropyltoluene	U		0.000253	0.00124	1	03/24/2018 01:44	WG1088867
2-Butanone (MEK)	U	J0	0.00580	0.0124	1	03/24/2018 01:44	WG1088867
Methylene Chloride	U		0.00124	0.00620	1	03/24/2018 01:44	WG1088867
4-Methyl-2-pentanone (MIBK)	U		0.00233	0.0124	1	03/24/2018 01:44	WG1088867
Methyl tert-butyl ether	U		0.000263	0.00124	1	03/24/2018 01:44	WG1088867
Naphthalene	U		0.00124	0.00620	1	03/24/2018 01:44	WG1088867
n-Propylbenzene	0.000313	J	0.000255	0.00124	1	03/24/2018 01:44	WG1088867
Styrene	U		0.000290	0.00124	1	03/24/2018 01:44	WG1088867
1,1,1,2-Tetrachloroethane	U		0.000327	0.00124	1	03/24/2018 01:44	WG1088867
1,1,2,2-Tetrachloroethane	U		0.000452	0.00124	1	03/24/2018 01:44	WG1088867
1,1,2-Trichlorotrifluoroethane	U		0.000452	0.00124	1	03/24/2018 01:44	WG1088867
Tetrachloroethene	0.00171		0.000342	0.00124	1	03/24/2018 01:44	WG1088867
Toluene	0.00706		0.000538	0.00620	1	03/24/2018 01:44	WG1088867
1,2,3-Trichlorobenzene	U		0.000379	0.00124	1	03/24/2018 01:44	WG1088867
1,2,4-Trichlorobenzene	U		0.000481	0.00124	1	03/24/2018 01:44	WG1088867
1,1,1-Trichloroethane	U		0.000354	0.00124	1	03/24/2018 01:44	WG1088867
1,1,2-Trichloroethane	U		0.000343	0.00124	1	03/24/2018 01:44	WG1088867
Trichloroethene	0.000944	J	0.000346	0.00124	1	03/24/2018 01:44	WG1088867
Trichlorofluoromethane	U		0.000473	0.00620	1	03/24/2018 01:44	WG1088867
1,2,3-Trichloropropane	U		0.000918	0.00310	1	03/24/2018 01:44	WG1088867
1,2,4-Trimethylbenzene	0.00298		0.000261	0.00124	1	03/24/2018 01:44	WG1088867
1,2,3-Trimethylbenzene	0.00130		0.000356	0.00124	1	03/24/2018 01:44	WG1088867
1,3,5-Trimethylbenzene	0.000627	J	0.000330	0.00124	1	03/24/2018 01:44	WG1088867
Vinyl acetate	U	J0	0.00296	0.0124	1	03/24/2018 01:44	WG1088867
Vinyl chloride	0.000638	J	0.000361	0.00124	1	03/24/2018 01:44	WG1088867
Xylenes, Total	0.00827		0.000865	0.00372	1	03/24/2018 01:44	WG1088867
(S) Toluene-d8	*105*			*80.0-120*		*03/24/2018 01:44*	WG1088867
(S) Dibromofluoromethane	*100*			*74.0-131*		*03/24/2018 01:44*	WG1088867
(S) 4-Bromofluorobenzene	*96.5*			*64.0-132*		*03/24/2018 01:44*	WG1088867

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	73.1		1	03/27/2018 14:50	WG1089688

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	253		1.16	3.42	25	03/22/2018 21:12	WG1087938
(S) a,a,a-Trifluorotoluene(FID)	*100*			*77.0-120*		*03/22/2018 21:12*	WG1087938

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.148	J	0.0216	0.171	1	03/25/2018 13:06	WG1088333
Acrylonitrile	U		0.0102	0.0342	1	03/23/2018 03:40	WG1088333
Benzene	0.0433		0.00178	0.00342	1	03/23/2018 03:40	WG1088333
Bromobenzene	U		0.00123	0.00342	1	03/23/2018 03:40	WG1088333
Bromochloromethane	U		0.000978	0.00342	1	03/23/2018 03:40	WG1088333
Bromodichloromethane	U		0.000879	0.00342	1	03/23/2018 03:40	WG1088333
Bromoform	U		0.000835	0.00342	1	03/23/2018 03:40	WG1088333
Bromomethane	U		0.00520	0.0171	1	03/23/2018 03:40	WG1088333
n-Butylbenzene	0.279		0.00233	0.00342	1	03/23/2018 03:40	WG1088333
sec-Butylbenzene	0.170		0.00142	0.00342	1	03/23/2018 03:40	WG1088333
tert-Butylbenzene	0.00417		0.00148	0.00342	1	03/23/2018 03:40	WG1088333
Carbon disulfide	U		0.00114	0.00342	1	03/23/2018 03:40	WG1088333
Carbon tetrachloride	U		0.000801	0.0171	1	03/23/2018 03:40	WG1088333
Chlorobenzene	U		0.00119	0.00342	1	03/23/2018 03:40	WG1088333
Chlorodibromomethane	U		0.000983	0.00342	1	03/23/2018 03:40	WG1088333
Chloroethane	U		0.00643	0.0171	1	03/23/2018 03:40	WG1088333
Chloroform	U		0.00238	0.00342	1	03/23/2018 03:40	WG1088333
Chloromethane	U		0.00307	0.0274	1	03/23/2018 03:40	WG1088333
2-Chlorotoluene	U		0.00128	0.00342	1	03/23/2018 03:40	WG1088333
4-Chlorotoluene	U		0.00155	0.00342	1	03/23/2018 03:40	WG1088333
1,2-Dibromo-3-Chloropropane	U		0.00328	0.0171	1	03/25/2018 13:06	WG1088333
1,2-Dibromoethane	U		0.00130	0.00342	1	03/23/2018 03:40	WG1088333
Dibromomethane	U		0.00137	0.00342	1	03/23/2018 03:40	WG1088333
1,2-Dichlorobenzene	U		0.00160	0.00342	1	03/23/2018 03:40	WG1088333
1,3-Dichlorobenzene	U		0.00183	0.00342	1	03/23/2018 03:40	WG1088333
1,4-Dichlorobenzene	U		0.00178	0.00342	1	03/23/2018 03:40	WG1088333
Dichlorodifluoromethane	U		0.00200	0.0171	1	03/23/2018 03:40	WG1088333
1,1-Dichloroethane	U		0.00105	0.00342	1	03/23/2018 03:40	WG1088333
1,2-Dichloroethane	U		0.000958	0.00342	1	03/23/2018 03:40	WG1088333
1,1-Dichloroethene	U		0.00120	0.00342	1	03/23/2018 03:40	WG1088333
cis-1,2-Dichloroethene	0.00509		0.000723	0.00342	1	03/23/2018 03:40	WG1088333
trans-1,2-Dichloroethene	U		0.00246	0.00342	1	03/23/2018 03:40	WG1088333
trans-1,4-Dichloro-2-butene	0.254		0.00179	0.00855	1	03/23/2018 03:40	WG1088333
1,2-Dichloropropane	U		0.00175	0.00684	1	03/23/2018 03:40	WG1088333
1,1-Dichloropropene	U		0.000917	0.00342	1	03/23/2018 03:40	WG1088333
1,3-Dichloropropane	U		0.000705	0.00342	1	03/23/2018 03:40	WG1088333
cis-1,3-Dichloropropene	U		0.00123	0.00342	1	03/23/2018 03:40	WG1088333
trans-1,3-Dichloropropene	U		0.00109	0.00342	1	03/23/2018 03:40	WG1088333
2,2-Dichloropropane	U		0.000769	0.00342	1	03/23/2018 03:40	WG1088333
Di-isopropyl ether	U		0.000814	0.00342	1	03/23/2018 03:40	WG1088333
Ethylbenzene	0.0304		0.00177	0.00342	1	03/23/2018 03:40	WG1088333
Hexachloro-1,3-butadiene	U		0.00424	0.00684	1	03/25/2018 13:06	WG1088333
2-Hexanone	0.0743		0.00390	0.0342	1	03/23/2018 03:40	WG1088333
n-Hexane	0.00508	J	0.00177	0.0342	1	03/25/2018 13:06	WG1088333

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Iodomethane	U		0.00267	0.00684	1	03/25/2018 13:06	WG1088333
Isopropylbenzene	0.0505		0.00141	0.00342	1	03/23/2018 03:40	WG1088333
p-Isopropyltoluene	0.0140		0.00178	0.00342	1	03/23/2018 03:40	WG1088333
2-Butanone (MEK)	U		0.0171	0.342	1	03/23/2018 03:40	WG1088333
Methylene Chloride	U		0.00427	0.0171	1	03/23/2018 03:40	WG1088333
4-Methyl-2-pentanone (MIBK)	U		0.0106	0.0342	1	03/23/2018 03:40	WG1088333
Methyl tert-butyl ether	U		0.00133	0.00684	1	03/23/2018 03:40	WG1088333
Naphthalene	U		0.00972	0.0171	1	03/25/2018 13:06	WG1088333
n-Propylbenzene	0.131		0.00164	0.00342	1	03/23/2018 03:40	WG1088333
Styrene	U		0.00161	0.00342	1	03/23/2018 03:40	WG1088333
1,1,1,2-Tetrachloroethane	U		0.000862	0.00342	1	03/23/2018 03:40	WG1088333
1,1,2,2-Tetrachloroethane	U		0.00101	0.00342	1	03/23/2018 03:40	WG1088333
1,1,2-Trichlorotrifluoroethane	U		0.000753	0.00342	1	03/23/2018 03:40	WG1088333
Tetrachloroethene	U		0.00163	0.00342	1	03/23/2018 03:40	WG1088333
Toluene	0.0179		0.00363	0.00684	1	03/23/2018 03:40	WG1088333
1,2,3-Trichlorobenzene	U		0.00197	0.00342	1	03/25/2018 13:06	WG1088333
1,2,4-Trichlorobenzene	U	J4	0.00257	0.00342	1	03/25/2018 13:06	WG1088333
1,1,1-Trichloroethane	U		0.00112	0.00342	1	03/23/2018 03:40	WG1088333
1,1,2-Trichloroethane	U		0.000746	0.00342	1	03/23/2018 03:40	WG1088333
Trichloroethene	U		0.00145	0.00342	1	03/23/2018 03:40	WG1088333
Trichlorofluoromethane	U	J3 J4	0.00246	0.0171	1	03/25/2018 13:06	WG1088333
1,2,3-Trichloropropane	U		0.00339	0.00855	1	03/23/2018 03:40	WG1088333
1,2,4-Trimethylbenzene	0.0498		0.00133	0.00342	1	03/23/2018 03:40	WG1088333
1,2,3-Trimethylbenzene	0.0262		0.00178	0.00342	1	03/23/2018 03:40	WG1088333
1,3,5-Trimethylbenzene	0.00664		0.00224	0.00342	1	03/23/2018 03:40	WG1088333
Vinyl acetate	U		0.00367	0.0342	1	03/25/2018 13:06	WG1088333
Vinyl chloride	U		0.00134	0.00342	1	03/23/2018 03:40	WG1088333
Xylenes, Total	0.0686		0.00654	0.0103	1	03/23/2018 03:40	WG1088333
(S) Toluene-d8	*103*			*80.0-120*		*03/23/2018 03:40*	WG1088333
(S) Toluene-d8	*80.6*			*80.0-120*		*03/25/2018 13:06*	WG1088333
(S) Dibromofluoromethane	*95.1*			*74.0-131*		*03/23/2018 03:40*	WG1088333
(S) Dibromofluoromethane	*86.7*			*74.0-131*		*03/25/2018 13:06*	WG1088333
(S) 4-Bromofluorobenzene	*99.4*			*64.0-132*		*03/23/2018 03:40*	WG1088333
(S) 4-Bromofluorobenzene	*105*			*64.0-132*		*03/25/2018 13:06*	WG1088333

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	62.2		1	03/27/2018 14:50	WG1089688

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	108		1.36	4.02	25	03/22/2018 21:34	WG1087938
(S) a,a,a-Trifluorotoluene(FID)	*100*			*77.0-120*		*03/22/2018 21:34*	WG1087938

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U	J0	0.402	2.01	25	03/24/2018 05:40	WG1088867
Acrylonitrile	U		0.0720	0.402	25	03/24/2018 05:40	WG1088867
Benzene	0.279		0.0109	0.0402	25	03/24/2018 05:40	WG1088867
Bromobenzene	U		0.0114	0.0402	25	03/24/2018 05:40	WG1088867
Bromodichloromethane	U		0.0102	0.0402	25	03/24/2018 05:40	WG1088867
Bromochloromethane	U		0.0157	0.201	25	03/24/2018 05:40	WG1088867
Bromoform	U	J0	0.0170	0.0402	25	03/24/2018 05:40	WG1088867
Bromomethane	U		0.0539	0.201	25	03/24/2018 05:40	WG1088867
n-Butylbenzene	0.373		0.0104	0.0402	25	03/26/2018 19:03	WG1088867
sec-Butylbenzene	0.182		0.00807	0.0402	25	03/24/2018 05:40	WG1088867
tert-Butylbenzene	U		0.00828	0.0402	25	03/24/2018 05:40	WG1088867
Carbon disulfide	0.0183	J J0	0.00887	0.0402	25	03/24/2018 05:40	WG1088867
Carbon tetrachloride	U		0.0132	0.0402	25	03/24/2018 05:40	WG1088867
Chlorobenzene	U		0.00852	0.0402	25	03/24/2018 05:40	WG1088867
Chlorodibromomethane	U		0.0150	0.0402	25	03/24/2018 05:40	WG1088867
Chloroethane	U		0.0379	0.201	25	03/24/2018 05:40	WG1088867
Chloroform	U		0.00919	0.201	25	03/24/2018 05:40	WG1088867
Chloromethane	U		0.0151	0.100	25	03/24/2018 05:40	WG1088867
2-Chlorotoluene	U		0.0121	0.0402	25	03/24/2018 05:40	WG1088867
4-Chlorotoluene	U		0.00964	0.0402	25	03/24/2018 05:40	WG1088867
1,2-Dibromo-3-Chloropropane	U		0.0421	0.201	25	03/24/2018 05:40	WG1088867
1,2-Dibromoethane	U		0.0138	0.0402	25	03/24/2018 05:40	WG1088867
Dibromomethane	U		0.0154	0.0402	25	03/24/2018 05:40	WG1088867
1,2-Dichlorobenzene	U		0.0122	0.0402	25	03/24/2018 05:40	WG1088867
1,3-Dichlorobenzene	U		0.00961	0.0402	25	03/24/2018 05:40	WG1088867
1,4-Dichlorobenzene	U		0.00908	0.0402	25	03/24/2018 05:40	WG1088867
Dichlorodifluoromethane	U		0.0286	0.201	25	03/24/2018 05:40	WG1088867
1,1-Dichloroethane	U		0.00801	0.0402	25	03/24/2018 05:40	WG1088867
1,2-Dichloroethane	U		0.0106	0.0402	25	03/24/2018 05:40	WG1088867
1,1-Dichloroethene	U		0.0122	0.0402	25	03/24/2018 05:40	WG1088867
cis-1,2-Dichloroethene	0.0163	J	0.00945	0.0402	25	03/24/2018 05:40	WG1088867
trans-1,2-Dichloroethene	U		0.0106	0.0402	25	03/24/2018 05:40	WG1088867
1,2-Dichloropropane	U		0.0144	0.0402	25	03/24/2018 05:40	WG1088867
1,1-Dichloropropene	U		0.0127	0.0402	25	03/24/2018 05:40	WG1088867
1,3-Dichloropropane	U		0.00833	0.0402	25	03/24/2018 05:40	WG1088867
cis-1,3-Dichloropropene	U		0.0105	0.0402	25	03/24/2018 05:40	WG1088867
trans-1,3-Dichloropropene	U		0.0107	0.0402	25	03/24/2018 05:40	WG1088867
trans-1,4-Dichloro-2-butene	U		0.0312	0.100	25	03/24/2018 05:40	WG1088867
2,2-Dichloropropane	U		0.0112	0.0402	25	03/24/2018 05:40	WG1088867
Di-isopropyl ether	U		0.00997	0.0402	25	03/24/2018 05:40	WG1088867
Ethylbenzene	0.232		0.0119	0.0402	25	03/26/2018 19:03	WG1088867
Hexachloro-1,3-butadiene	U		0.0137	0.0402	25	03/24/2018 05:40	WG1088867
2-Hexanone	U		0.0550	0.402	25	03/24/2018 05:40	WG1088867
n-Hexane	0.0716	J	0.0117	0.402	25	03/24/2018 05:40	WG1088867

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Iodomethane	U		0.102	0.402	25	03/24/2018 05:40	WG1088867
Isopropylbenzene	0.108		0.00977	0.0402	25	03/24/2018 05:40	WG1088867
p-Isopropyltoluene	0.165		0.00820	0.0402	25	03/24/2018 05:40	WG1088867
2-Butanone (MEK)	U	J0	0.188	0.402	25	03/24/2018 05:40	WG1088867
Methylene Chloride	U		0.0402	0.201	25	03/24/2018 05:40	WG1088867
4-Methyl-2-pentanone (MIBK)	U		0.0756	0.402	25	03/24/2018 05:40	WG1088867
Methyl tert-butyl ether	U		0.00852	0.0402	25	03/24/2018 05:40	WG1088867
Naphthalene	0.375		0.0402	0.201	25	03/26/2018 19:03	WG1088867
n-Propylbenzene	0.499		0.00828	0.0402	25	03/26/2018 19:03	WG1088867
Styrene	U		0.00940	0.0402	25	03/24/2018 05:40	WG1088867
1,1,1,2-Tetrachloroethane	U		0.0106	0.0402	25	03/24/2018 05:40	WG1088867
1,1,2,2-Tetrachloroethane	U		0.0147	0.0402	25	03/24/2018 05:40	WG1088867
1,1,2-Trichlorotrifluoroethane	U		0.0147	0.0402	25	03/24/2018 05:40	WG1088867
Tetrachloroethene	0.0250	J	0.0111	0.0402	25	03/24/2018 05:40	WG1088867
Toluene	0.135	J	0.0174	0.201	25	03/24/2018 05:40	WG1088867
1,2,3-Trichlorobenzene	U		0.0123	0.0402	25	03/24/2018 05:40	WG1088867
1,2,4-Trichlorobenzene	U		0.0156	0.0402	25	03/24/2018 05:40	WG1088867
1,1,1-Trichloroethane	U		0.0115	0.0402	25	03/24/2018 05:40	WG1088867
1,1,2-Trichloroethane	U		0.0111	0.0402	25	03/24/2018 05:40	WG1088867
Trichloroethene	U		0.0112	0.0402	25	03/24/2018 05:40	WG1088867
Trichlorofluoromethane	U		0.0154	0.201	25	03/24/2018 05:40	WG1088867
1,2,3-Trichloropropane	U		0.0297	0.100	25	03/24/2018 05:40	WG1088867
1,2,4-Trimethylbenzene	0.184		0.00849	0.0402	25	03/26/2018 19:03	WG1088867
1,2,3-Trimethylbenzene	0.102		0.0115	0.0402	25	03/26/2018 19:03	WG1088867
1,3,5-Trimethylbenzene	0.0306	J	0.0107	0.0402	25	03/26/2018 19:03	WG1088867
Vinyl acetate	U	J0	0.0961	0.402	25	03/24/2018 05:40	WG1088867
Vinyl chloride	U		0.0117	0.0402	25	03/24/2018 05:40	WG1088867
Xylenes, Total	0.389		0.0280	0.121	25	03/26/2018 19:03	WG1088867
(S) Toluene-d8	*97.8*			*80.0-120*		*03/26/2018 19:03*	WG1088867
(S) Toluene-d8	*94.6*			*80.0-120*		*03/24/2018 05:40*	WG1088867
(S) Dibromofluoromethane	*90.6*			*74.0-131*		*03/24/2018 05:40*	WG1088867
(S) Dibromofluoromethane	*90.4*			*74.0-131*		*03/26/2018 19:03*	WG1088867
(S) 4-Bromofluorobenzene	*94.6*			*64.0-132*		*03/24/2018 05:40*	WG1088867
(S) 4-Bromofluorobenzene	*97.3*			*64.0-132*		*03/26/2018 19:03*	WG1088867

Sample Narrative:

L979219-03 WG1088867: Cannot be analyzed at a lower dilution due to high levels of target and non-target analytes.

Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch
Analyte	%			date / time	
Total Solids	71.2		1	03/27/2018 14:50	WG1089688

Volatile Organic Compounds (GC) by Method NWTPHGX

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	18.7		1.19	3.51	25	03/22/2018 21:56	WG1087938
(S) a,a,a-Trifluorotoluene(FID)	*102*			*77.0-120*		*03/22/2018 21:56*	WG1087938

Volatile Organic Compounds (GC/MS) by Method 8260C

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0629	J	0.0222	0.176	1	03/25/2018 13:25	WG1088333
Acrylonitrile	U		0.0104	0.0351	1	03/23/2018 03:59	WG1088333
Benzene	0.00723		0.00183	0.00351	1	03/23/2018 03:59	WG1088333
Bromobenzene	U		0.00126	0.00351	1	03/23/2018 03:59	WG1088333
Bromochloromethane	U		0.00100	0.00351	1	03/23/2018 03:59	WG1088333
Bromodichloromethane	U		0.000902	0.00351	1	03/23/2018 03:59	WG1088333
Bromoform	U		0.000857	0.00351	1	03/23/2018 03:59	WG1088333
Bromomethane	U		0.00534	0.0176	1	03/23/2018 03:59	WG1088333
n-Butylbenzene	0.0127		0.00239	0.00351	1	03/23/2018 03:59	WG1088333
sec-Butylbenzene	0.00877		0.00146	0.00351	1	03/23/2018 03:59	WG1088333
tert-Butylbenzene	U		0.00152	0.00351	1	03/23/2018 03:59	WG1088333
Carbon disulfide	0.00459		0.00117	0.00351	1	03/23/2018 03:59	WG1088333
Carbon tetrachloride	U		0.000822	0.0176	1	03/23/2018 03:59	WG1088333
Chlorobenzene	U		0.00122	0.00351	1	03/23/2018 03:59	WG1088333
Chlorodibromomethane	U		0.00101	0.00351	1	03/23/2018 03:59	WG1088333
Chloroethane	U		0.00660	0.0176	1	03/23/2018 03:59	WG1088333
Chloroform	U		0.00244	0.00351	1	03/23/2018 03:59	WG1088333
Chloromethane	U		0.00315	0.0281	1	03/23/2018 03:59	WG1088333
2-Chlorotoluene	U		0.00131	0.00351	1	03/23/2018 03:59	WG1088333
4-Chlorotoluene	U		0.00159	0.00351	1	03/23/2018 03:59	WG1088333
1,2-Dibromo-3-Chloropropane	U		0.00337	0.0176	1	03/25/2018 13:25	WG1088333
1,2-Dibromoethane	U		0.00134	0.00351	1	03/23/2018 03:59	WG1088333
Dibromomethane	U		0.00140	0.00351	1	03/23/2018 03:59	WG1088333
1,2-Dichlorobenzene	U		0.00164	0.00351	1	03/23/2018 03:59	WG1088333
1,3-Dichlorobenzene	U		0.00188	0.00351	1	03/23/2018 03:59	WG1088333
1,4-Dichlorobenzene	U		0.00183	0.00351	1	03/23/2018 03:59	WG1088333
Dichlorodifluoromethane	U		0.00205	0.0176	1	03/23/2018 03:59	WG1088333
1,1-Dichloroethane	U		0.00108	0.00351	1	03/23/2018 03:59	WG1088333
1,2-Dichloroethane	U		0.000983	0.00351	1	03/23/2018 03:59	WG1088333
1,1-Dichloroethene	U		0.00124	0.00351	1	03/23/2018 03:59	WG1088333
cis-1,2-Dichloroethene	0.00155	J	0.000742	0.00351	1	03/23/2018 03:59	WG1088333
trans-1,2-Dichloroethene	U		0.00253	0.00351	1	03/23/2018 03:59	WG1088333
trans-1,4-Dichloro-2-butene	0.00815	J	0.00184	0.00878	1	03/23/2018 03:59	WG1088333
1,2-Dichloropropane	U		0.00180	0.00702	1	03/23/2018 03:59	WG1088333
1,1-Dichloropropene	U		0.000941	0.00351	1	03/23/2018 03:59	WG1088333
1,3-Dichloropropane	U		0.000723	0.00351	1	03/23/2018 03:59	WG1088333
cis-1,3-Dichloropropene	U		0.00127	0.00351	1	03/23/2018 03:59	WG1088333
trans-1,3-Dichloropropene	U		0.00112	0.00351	1	03/23/2018 03:59	WG1088333
2,2-Dichloropropane	U		0.000789	0.00351	1	03/23/2018 03:59	WG1088333
Di-isopropyl ether	U		0.000836	0.00351	1	03/23/2018 03:59	WG1088333
Ethylbenzene	0.00585		0.00181	0.00351	1	03/23/2018 03:59	WG1088333
Hexachloro-1,3-butadiene	U		0.00435	0.00702	1	03/25/2018 13:25	WG1088333
2-Hexanone	0.00477	J	0.00400	0.0351	1	03/23/2018 03:59	WG1088333
n-Hexane	U		0.00181	0.0351	1	03/25/2018 13:25	WG1088333

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Iodomethane	U		0.00274	0.00702	1	03/25/2018 13:25	WG1088333
Isopropylbenzene	0.00455		0.00145	0.00351	1	03/23/2018 03:59	WG1088333
p-Isopropyltoluene	0.0356		0.00183	0.00351	1	03/23/2018 03:59	WG1088333
2-Butanone (MEK)	U		0.0176	0.351	1	03/23/2018 03:59	WG1088333
Methylene Chloride	U		0.00438	0.0176	1	03/23/2018 03:59	WG1088333
4-Methyl-2-pentanone (MIBK)	U		0.0109	0.0351	1	03/23/2018 03:59	WG1088333
Methyl tert-butyl ether	U		0.00137	0.00702	1	03/23/2018 03:59	WG1088333
Naphthalene	U		0.00997	0.0176	1	03/25/2018 13:25	WG1088333
n-Propylbenzene	0.0112		0.00169	0.00351	1	03/23/2018 03:59	WG1088333
Styrene	U		0.00166	0.00351	1	03/23/2018 03:59	WG1088333
1,1,1,2-Tetrachloroethane	U		0.000885	0.00351	1	03/23/2018 03:59	WG1088333
1,1,2,2-Tetrachloroethane	U		0.00103	0.00351	1	03/23/2018 03:59	WG1088333
1,1,2-Trichlorotrifluoroethane	U		0.000772	0.00351	1	03/23/2018 03:59	WG1088333
Tetrachloroethene	U		0.00167	0.00351	1	03/23/2018 03:59	WG1088333
Toluene	0.0250		0.00372	0.00702	1	03/23/2018 03:59	WG1088333
1,2,3-Trichlorobenzene	U		0.00202	0.00351	1	03/25/2018 13:25	WG1088333
1,2,4-Trichlorobenzene	U	J4	0.00264	0.00351	1	03/25/2018 13:25	WG1088333
1,1,1-Trichloroethane	U		0.00114	0.00351	1	03/23/2018 03:59	WG1088333
1,1,2-Trichloroethane	U		0.000765	0.00351	1	03/23/2018 03:59	WG1088333
Trichloroethene	U		0.00149	0.00351	1	03/23/2018 03:59	WG1088333
Trichlorofluoromethane	U	J3 J4	0.00253	0.0176	1	03/25/2018 13:25	WG1088333
1,2,3-Trichloropropane	U		0.00348	0.00878	1	03/23/2018 03:59	WG1088333
1,2,4-Trimethylbenzene	0.00804	B	0.00136	0.00351	1	03/23/2018 03:59	WG1088333
1,2,3-Trimethylbenzene	0.00672		0.00183	0.00351	1	03/23/2018 03:59	WG1088333
1,3,5-Trimethylbenzene	0.00328	J	0.00230	0.00351	1	03/23/2018 03:59	WG1088333
Vinyl acetate	U		0.00376	0.0351	1	03/25/2018 13:25	WG1088333
Vinyl chloride	U		0.00137	0.00351	1	03/23/2018 03:59	WG1088333
Xylenes, Total	0.0170		0.00671	0.0105	1	03/23/2018 03:59	WG1088333
(S) Toluene-d8	*110*			*80.0-120*		*03/23/2018 03:59*	WG1088333
(S) Toluene-d8	*93.9*			*80.0-120*		*03/25/2018 13:25*	WG1088333
(S) Dibromofluoromethane	*80.5*			*74.0-131*		*03/25/2018 13:25*	WG1088333
(S) Dibromofluoromethane	*86.8*			*74.0-131*		*03/23/2018 03:59*	WG1088333
(S) 4-Bromofluorobenzene	*101*			*64.0-132*		*03/23/2018 03:59*	WG1088333
(S) 4-Bromofluorobenzene	*91.9*			*64.0-132*		*03/25/2018 13:25*	WG1088333

IW-7A-25
Collected date/time: 03/16/18 09:40

SAMPLE RESULTS - 05

L979219

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	82.6		1	03/27/2018 14:50	WG1089688

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	2.82		0.0411	0.121	1	03/22/2018 22:19	WG1087938
(S) a,a,a-Trifluorotoluene(FID)	*96.0*			*77.0-120*		*03/22/2018 22:19*	WG1087938

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.0230	J J0	0.0121	0.0606	1	03/24/2018 02:04	WG1088867
Acrylonitrile	U		0.00217	0.0121	1	03/24/2018 02:04	WG1088867
Benzene	0.00189		0.000327	0.00121	1	03/24/2018 02:04	WG1088867
Bromobenzene	U		0.000344	0.00121	1	03/24/2018 02:04	WG1088867
Bromodichloromethane	U		0.000308	0.00121	1	03/24/2018 02:04	WG1088867
Bromochloromethane	U		0.000472	0.00606	1	03/24/2018 02:04	WG1088867
Bromoform	U	J0	0.000514	0.00121	1	03/24/2018 02:04	WG1088867
Bromomethane	U		0.00162	0.00606	1	03/24/2018 02:04	WG1088867
n-Butylbenzene	U		0.000313	0.00121	1	03/24/2018 02:04	WG1088867
sec-Butylbenzene	U		0.000243	0.00121	1	03/24/2018 02:04	WG1088867
tert-Butylbenzene	U		0.000250	0.00121	1	03/24/2018 02:04	WG1088867
Carbon disulfide	0.000638	J J0	0.000268	0.00121	1	03/24/2018 02:04	WG1088867
Carbon tetrachloride	U		0.000397	0.00121	1	03/24/2018 02:04	WG1088867
Chlorobenzene	U		0.000257	0.00121	1	03/24/2018 02:04	WG1088867
Chlorodibromomethane	U		0.000452	0.00121	1	03/24/2018 02:04	WG1088867
Chloroethane	U		0.00115	0.00606	1	03/24/2018 02:04	WG1088867
Chloroform	U		0.000277	0.00606	1	03/24/2018 02:04	WG1088867
Chloromethane	U		0.000454	0.00303	1	03/24/2018 02:04	WG1088867
2-Chlorotoluene	U		0.000365	0.00121	1	03/24/2018 02:04	WG1088867
4-Chlorotoluene	U		0.000291	0.00121	1	03/24/2018 02:04	WG1088867
1,2-Dibromo-3-Chloropropane	U		0.00127	0.00606	1	03/24/2018 02:04	WG1088867
1,2-Dibromoethane	U		0.000415	0.00121	1	03/24/2018 02:04	WG1088867
Dibromomethane	U		0.000463	0.00121	1	03/24/2018 02:04	WG1088867
1,2-Dichlorobenzene	U		0.000369	0.00121	1	03/24/2018 02:04	WG1088867
1,3-Dichlorobenzene	U		0.000289	0.00121	1	03/24/2018 02:04	WG1088867
1,4-Dichlorobenzene	U		0.000274	0.00121	1	03/24/2018 02:04	WG1088867
Dichlorodifluoromethane	U		0.000864	0.00606	1	03/24/2018 02:04	WG1088867
1,1-Dichloroethane	U		0.000241	0.00121	1	03/24/2018 02:04	WG1088867
1,2-Dichloroethane	U		0.000321	0.00121	1	03/24/2018 02:04	WG1088867
1,1-Dichloroethene	U		0.000367	0.00121	1	03/24/2018 02:04	WG1088867
cis-1,2-Dichloroethene	0.000857	J	0.000285	0.00121	1	03/24/2018 02:04	WG1088867
trans-1,2-Dichloroethene	U		0.000320	0.00121	1	03/24/2018 02:04	WG1088867
1,2-Dichloropropane	U		0.000434	0.00121	1	03/24/2018 02:04	WG1088867
1,1-Dichloropropene	U		0.000384	0.00121	1	03/24/2018 02:04	WG1088867
1,3-Dichloropropane	U		0.000251	0.00121	1	03/24/2018 02:04	WG1088867
cis-1,3-Dichloropropene	U		0.000317	0.00121	1	03/24/2018 02:04	WG1088867
trans-1,3-Dichloropropene	U		0.000323	0.00121	1	03/24/2018 02:04	WG1088867
trans-1,4-Dichloro-2-butene	U		0.000942	0.00303	1	03/24/2018 02:04	WG1088867
2,2-Dichloropropane	U		0.000338	0.00121	1	03/24/2018 02:04	WG1088867
Di-isopropyl ether	U		0.000300	0.00121	1	03/24/2018 02:04	WG1088867
Ethylbenzene	U		0.000360	0.00121	1	03/24/2018 02:04	WG1088867
Hexachloro-1,3-butadiene	U		0.000414	0.00121	1	03/24/2018 02:04	WG1088867
2-Hexanone	U		0.00166	0.0121	1	03/24/2018 02:04	WG1088867
n-Hexane	0.000647	J	0.000351	0.0121	1	03/24/2018 02:04	WG1088867

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Iodomethane	U		0.00306	0.0121	1	03/24/2018 02:04	WG1088867
Isopropylbenzene	U		0.000294	0.00121	1	03/24/2018 02:04	WG1088867
p-Isopropyltoluene	U		0.000247	0.00121	1	03/24/2018 02:04	WG1088867
2-Butanone (MEK)	U	J0	0.00567	0.0121	1	03/24/2018 02:04	WG1088867
Methylene Chloride	U		0.00121	0.00606	1	03/24/2018 02:04	WG1088867
4-Methyl-2-pentanone (MIBK)	U		0.00228	0.0121	1	03/24/2018 02:04	WG1088867
Methyl tert-butyl ether	U		0.000257	0.00121	1	03/24/2018 02:04	WG1088867
Naphthalene	U		0.00121	0.00606	1	03/24/2018 02:04	WG1088867
n-Propylbenzene	U		0.000250	0.00121	1	03/24/2018 02:04	WG1088867
Styrene	U		0.000283	0.00121	1	03/24/2018 02:04	WG1088867
1,1,1,2-Tetrachloroethane	U		0.000320	0.00121	1	03/24/2018 02:04	WG1088867
1,1,2,2-Tetrachloroethane	U		0.000442	0.00121	1	03/24/2018 02:04	WG1088867
1,1,2-Trichlorotrifluoroethane	U		0.000442	0.00121	1	03/24/2018 02:04	WG1088867
Tetrachloroethene	U		0.000334	0.00121	1	03/24/2018 02:04	WG1088867
Toluene	U		0.000526	0.00606	1	03/24/2018 02:04	WG1088867
1,2,3-Trichlorobenzene	U		0.000371	0.00121	1	03/24/2018 02:04	WG1088867
1,2,4-Trichlorobenzene	U		0.000470	0.00121	1	03/24/2018 02:04	WG1088867
1,1,1-Trichloroethane	U		0.000346	0.00121	1	03/24/2018 02:04	WG1088867
1,1,2-Trichloroethane	U		0.000336	0.00121	1	03/24/2018 02:04	WG1088867
Trichloroethene	U		0.000338	0.00121	1	03/24/2018 02:04	WG1088867
Trichlorofluoromethane	U		0.000463	0.00606	1	03/24/2018 02:04	WG1088867
1,2,3-Trichloropropane	U		0.000898	0.00303	1	03/24/2018 02:04	WG1088867
1,2,4-Trimethylbenzene	U		0.000256	0.00121	1	03/24/2018 02:04	WG1088867
1,2,3-Trimethylbenzene	U		0.000348	0.00121	1	03/24/2018 02:04	WG1088867
1,3,5-Trimethylbenzene	U		0.000322	0.00121	1	03/24/2018 02:04	WG1088867
Vinyl acetate	U	J0	0.00289	0.0121	1	03/24/2018 02:04	WG1088867
Vinyl chloride	U		0.000352	0.00121	1	03/24/2018 02:04	WG1088867
Xylenes, Total	U		0.000845	0.00363	1	03/24/2018 02:04	WG1088867
(S) Toluene-d8	*103*			*80.0-120*		*03/24/2018 02:04*	WG1088867
(S) Dibromofluoromethane	*103*			*74.0-131*		*03/24/2018 02:04*	WG1088867
(S) 4-Bromofluorobenzene	*96.8*			*64.0-132*		*03/24/2018 02:04*	WG1088867

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	86.2		1	03/27/2018 14:50	WG1089688

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	0.287		0.0393	0.116	1	03/22/2018 22:40	WG1087938
(S) a,a,a-Trifluorotoluene(FID)	*98.9*			*77.0-120*		*03/22/2018 22:40*	WG1087938

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U	J0	0.0116	0.0580	1	03/24/2018 02:23	WG1088867
Acrylonitrile	U		0.00208	0.0116	1	03/24/2018 02:23	WG1088867
Benzene	0.00201		0.000313	0.00116	1	03/24/2018 02:23	WG1088867
Bromobenzene	U		0.000330	0.00116	1	03/24/2018 02:23	WG1088867
Bromodichloromethane	U		0.000295	0.00116	1	03/24/2018 02:23	WG1088867
Bromochloromethane	U		0.000453	0.00580	1	03/24/2018 02:23	WG1088867
Bromoform	U	J0	0.000492	0.00116	1	03/24/2018 02:23	WG1088867
Bromomethane	U		0.00156	0.00580	1	03/24/2018 02:23	WG1088867
n-Butylbenzene	U		0.000299	0.00116	1	03/24/2018 02:23	WG1088867
sec-Butylbenzene	0.000333	J	0.000233	0.00116	1	03/24/2018 02:23	WG1088867
tert-Butylbenzene	U		0.000239	0.00116	1	03/24/2018 02:23	WG1088867
Carbon disulfide	0.00597	J0	0.000256	0.00116	1	03/24/2018 02:23	WG1088867
Carbon tetrachloride	U		0.000381	0.00116	1	03/24/2018 02:23	WG1088867
Chlorobenzene	U		0.000246	0.00116	1	03/24/2018 02:23	WG1088867
Chlorodibromomethane	U		0.000433	0.00116	1	03/24/2018 02:23	WG1088867
Chloroethane	U		0.00110	0.00580	1	03/24/2018 02:23	WG1088867
Chloroform	U		0.000266	0.00580	1	03/24/2018 02:23	WG1088867
Chloromethane	U		0.000435	0.00290	1	03/24/2018 02:23	WG1088867
2-Chlorotoluene	U		0.000349	0.00116	1	03/24/2018 02:23	WG1088867
4-Chlorotoluene	U		0.000279	0.00116	1	03/24/2018 02:23	WG1088867
1,2-Dibromo-3-Chloropropane	U		0.00122	0.00580	1	03/24/2018 02:23	WG1088867
1,2-Dibromoethane	U		0.000398	0.00116	1	03/24/2018 02:23	WG1088867
Dibromomethane	U		0.000443	0.00116	1	03/24/2018 02:23	WG1088867
1,2-Dichlorobenzene	U		0.000354	0.00116	1	03/24/2018 02:23	WG1088867
1,3-Dichlorobenzene	U		0.000277	0.00116	1	03/24/2018 02:23	WG1088867
1,4-Dichlorobenzene	U		0.000262	0.00116	1	03/24/2018 02:23	WG1088867
Dichlorodifluoromethane	U		0.000827	0.00580	1	03/24/2018 02:23	WG1088867
1,1-Dichloroethane	U		0.000231	0.00116	1	03/24/2018 02:23	WG1088867
1,2-Dichloroethane	U		0.000308	0.00116	1	03/24/2018 02:23	WG1088867
1,1-Dichloroethene	U		0.000352	0.00116	1	03/24/2018 02:23	WG1088867
cis-1,2-Dichloroethene	0.00175		0.000273	0.00116	1	03/24/2018 02:23	WG1088867
trans-1,2-Dichloroethene	U		0.000306	0.00116	1	03/24/2018 02:23	WG1088867
1,2-Dichloropropane	U		0.000415	0.00116	1	03/24/2018 02:23	WG1088867
1,1-Dichloropropene	U		0.000368	0.00116	1	03/24/2018 02:23	WG1088867
1,3-Dichloropropane	U		0.000240	0.00116	1	03/24/2018 02:23	WG1088867
cis-1,3-Dichloropropene	U		0.000304	0.00116	1	03/24/2018 02:23	WG1088867
trans-1,3-Dichloropropene	U		0.000310	0.00116	1	03/24/2018 02:23	WG1088867
trans-1,4-Dichloro-2-butene	U		0.000903	0.00290	1	03/24/2018 02:23	WG1088867
2,2-Dichloropropane	U		0.000324	0.00116	1	03/24/2018 02:23	WG1088867
Di-isopropyl ether	U		0.000288	0.00116	1	03/24/2018 02:23	WG1088867
Ethylbenzene	0.000369	J	0.000345	0.00116	1	03/24/2018 02:23	WG1088867
Hexachloro-1,3-butadiene	U		0.000397	0.00116	1	03/24/2018 02:23	WG1088867
2-Hexanone	U		0.00159	0.0116	1	03/24/2018 02:23	WG1088867
n-Hexane	0.000969	J	0.000337	0.0116	1	03/24/2018 02:23	WG1088867

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Iodomethane	U		0.00294	0.0116	1	03/24/2018 02:23	WG1088867
Isopropylbenzene	0.000332	J	0.000282	0.00116	1	03/24/2018 02:23	WG1088867
p-Isopropyltoluene	0.000507	J	0.000237	0.00116	1	03/24/2018 02:23	WG1088867
2-Butanone (MEK)	U	J0	0.00543	0.0116	1	03/24/2018 02:23	WG1088867
Methylene Chloride	U		0.00116	0.00580	1	03/24/2018 02:23	WG1088867
4-Methyl-2-pentanone (MIBK)	U		0.00218	0.0116	1	03/24/2018 02:23	WG1088867
Methyl tert-butyl ether	U		0.000246	0.00116	1	03/24/2018 02:23	WG1088867
Naphthalene	U		0.00116	0.00580	1	03/24/2018 02:23	WG1088867
n-Propylbenzene	0.000493	J	0.000239	0.00116	1	03/24/2018 02:23	WG1088867
Styrene	U		0.000272	0.00116	1	03/24/2018 02:23	WG1088867
1,1,1,2-Tetrachloroethane	U		0.000306	0.00116	1	03/24/2018 02:23	WG1088867
1,1,2,2-Tetrachloroethane	U		0.000424	0.00116	1	03/24/2018 02:23	WG1088867
1,1,2-Trichlorotrifluoroethane	U		0.000424	0.00116	1	03/24/2018 02:23	WG1088867
Tetrachloroethene	0.00109	J	0.000320	0.00116	1	03/24/2018 02:23	WG1088867
Toluene	0.000845	J	0.000504	0.00580	1	03/24/2018 02:23	WG1088867
1,2,3-Trichlorobenzene	U		0.000355	0.00116	1	03/24/2018 02:23	WG1088867
1,2,4-Trichlorobenzene	U		0.000450	0.00116	1	03/24/2018 02:23	WG1088867
1,1,1-Trichloroethane	U		0.000332	0.00116	1	03/24/2018 02:23	WG1088867
1,1,2-Trichloroethane	U		0.000321	0.00116	1	03/24/2018 02:23	WG1088867
Trichloroethene	0.000495	J	0.000324	0.00116	1	03/24/2018 02:23	WG1088867
Trichlorofluoromethane	U		0.000443	0.00580	1	03/24/2018 02:23	WG1088867
1,2,3-Trichloropropane	U		0.000860	0.00290	1	03/24/2018 02:23	WG1088867
1,2,4-Trimethylbenzene	U		0.000245	0.00116	1	03/24/2018 02:23	WG1088867
1,2,3-Trimethylbenzene	U		0.000333	0.00116	1	03/24/2018 02:23	WG1088867
1,3,5-Trimethylbenzene	U		0.000309	0.00116	1	03/24/2018 02:23	WG1088867
Vinyl acetate	U	J0	0.00277	0.0116	1	03/24/2018 02:23	WG1088867
Vinyl chloride	0.000829	J	0.000338	0.00116	1	03/24/2018 02:23	WG1088867
Xylenes, Total	U		0.000810	0.00348	1	03/24/2018 02:23	WG1088867
(S) Toluene-d8	*103*			*80.0-120*		*03/24/2018 02:23*	WG1088867
(S) Dibromofluoromethane	*102*			*74.0-131*		*03/24/2018 02:23*	WG1088867
(S) 4-Bromofluorobenzene	*96.3*			*64.0-132*		*03/24/2018 02:23*	WG1088867

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	83.1		1	03/27/2018 14:50	WG1089688

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	6.38		1.02	3.01	25	03/22/2018 23:02	WG1087938
(S) a,a,a-Trifluorotoluene(FID)	*102*			*77.0-120*		*03/22/2018 23:02*	WG1087938

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.0497	J	0.0190	0.150	1	03/25/2018 13:44	WG1088333
Acrylonitrile	U		0.00893	0.0301	1	03/23/2018 04:18	WG1088333
Benzene	0.00282	J	0.00156	0.00301	1	03/23/2018 04:18	WG1088333
Bromobenzene	U		0.00108	0.00301	1	03/23/2018 04:18	WG1088333
Bromochloromethane	U		0.000860	0.00301	1	03/23/2018 04:18	WG1088333
Bromodichloromethane	U		0.000773	0.00301	1	03/23/2018 04:18	WG1088333
Bromoform	U		0.000734	0.00301	1	03/23/2018 04:18	WG1088333
Bromomethane	U		0.00457	0.0150	1	03/23/2018 04:18	WG1088333
n-Butylbenzene	0.00331		0.00205	0.00301	1	03/23/2018 04:18	WG1088333
sec-Butylbenzene	0.00190	J	0.00125	0.00301	1	03/23/2018 04:18	WG1088333
tert-Butylbenzene	U		0.00130	0.00301	1	03/23/2018 04:18	WG1088333
Carbon disulfide	0.00139	J	0.000999	0.00301	1	03/23/2018 04:18	WG1088333
Carbon tetrachloride	U		0.000704	0.0150	1	03/23/2018 04:18	WG1088333
Chlorobenzene	U		0.00105	0.00301	1	03/23/2018 04:18	WG1088333
Chlorodibromomethane	U		0.000864	0.00301	1	03/23/2018 04:18	WG1088333
Chloroethane	U		0.00566	0.0150	1	03/23/2018 04:18	WG1088333
Chloroform	U		0.00209	0.00301	1	03/23/2018 04:18	WG1088333
Chloromethane	U		0.00270	0.0241	1	03/23/2018 04:18	WG1088333
2-Chlorotoluene	U		0.00113	0.00301	1	03/23/2018 04:18	WG1088333
4-Chlorotoluene	U		0.00136	0.00301	1	03/23/2018 04:18	WG1088333
1,2-Dibromo-3-Chloropropane	U		0.00289	0.0150	1	03/25/2018 13:44	WG1088333
1,2-Dibromoethane	U		0.00115	0.00301	1	03/23/2018 04:18	WG1088333
Dibromomethane	U		0.00120	0.00301	1	03/23/2018 04:18	WG1088333
1,2-Dichlorobenzene	U		0.00141	0.00301	1	03/23/2018 04:18	WG1088333
1,3-Dichlorobenzene	U		0.00161	0.00301	1	03/23/2018 04:18	WG1088333
1,4-Dichlorobenzene	U		0.00156	0.00301	1	03/23/2018 04:18	WG1088333
Dichlorodifluoromethane	U		0.00176	0.0150	1	03/23/2018 04:18	WG1088333
1,1-Dichloroethane	U		0.000927	0.00301	1	03/23/2018 04:18	WG1088333
1,2-Dichloroethane	U		0.000842	0.00301	1	03/23/2018 04:18	WG1088333
1,1-Dichloroethene	U		0.00106	0.00301	1	03/23/2018 04:18	WG1088333
cis-1,2-Dichloroethene	0.00193	J	0.000635	0.00301	1	03/23/2018 04:18	WG1088333
trans-1,2-Dichloroethene	U		0.00217	0.00301	1	03/23/2018 04:18	WG1088333
trans-1,4-Dichloro-2-butene	0.00247	J	0.00158	0.00752	1	03/23/2018 04:18	WG1088333
1,2-Dichloropropane	U		0.00154	0.00602	1	03/23/2018 04:18	WG1088333
1,1-Dichloropropene	U		0.000806	0.00301	1	03/23/2018 04:18	WG1088333
1,3-Dichloropropane	U		0.000620	0.00301	1	03/23/2018 04:18	WG1088333
cis-1,3-Dichloropropene	U		0.00109	0.00301	1	03/23/2018 04:18	WG1088333
trans-1,3-Dichloropropene	U		0.000960	0.00301	1	03/23/2018 04:18	WG1088333
2,2-Dichloropropane	U		0.000676	0.00301	1	03/23/2018 04:18	WG1088333
Di-isopropyl ether	U		0.000716	0.00301	1	03/23/2018 04:18	WG1088333
Ethylbenzene	0.00222	J	0.00155	0.00301	1	03/23/2018 04:18	WG1088333
Hexachloro-1,3-butadiene	U		0.00373	0.00602	1	03/25/2018 13:44	WG1088333
2-Hexanone	U		0.00343	0.0301	1	03/23/2018 04:18	WG1088333
n-Hexane	U		0.00155	0.0301	1	03/25/2018 13:44	WG1088333

IW-7A-35
Collected date/time: 03/16/18 10:00

SAMPLE RESULTS - 07

L979219

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Iodomethane	U		0.00235	0.00602	1	03/25/2018 13:44	WG1088333
Isopropylbenzene	0.00128	J	0.00124	0.00301	1	03/23/2018 04:18	WG1088333
p-Isopropyltoluene	0.0109		0.00156	0.00301	1	03/23/2018 04:18	WG1088333
2-Butanone (MEK)	U		0.0150	0.301	1	03/23/2018 04:18	WG1088333
Methylene Chloride	U		0.00375	0.0150	1	03/23/2018 04:18	WG1088333
4-Methyl-2-pentanone (MIBK)	U		0.00933	0.0301	1	03/23/2018 04:18	WG1088333
Methyl tert-butyl ether	U		0.00117	0.00602	1	03/23/2018 04:18	WG1088333
Naphthalene	U		0.00854	0.0150	1	03/25/2018 13:44	WG1088333
n-Propylbenzene	0.00389		0.00144	0.00301	1	03/23/2018 04:18	WG1088333
Styrene	U		0.00142	0.00301	1	03/23/2018 04:18	WG1088333
1,1,1,2-Tetrachloroethane	U		0.000758	0.00301	1	03/23/2018 04:18	WG1088333
1,1,2,2-Tetrachloroethane	U		0.000884	0.00301	1	03/23/2018 04:18	WG1088333
1,1,2-Trichlorotrifluoroethane	U		0.000662	0.00301	1	03/23/2018 04:18	WG1088333
Tetrachloroethene	0.00201	J	0.00143	0.00301	1	03/23/2018 04:18	WG1088333
Toluene	0.00752		0.00319	0.00602	1	03/23/2018 04:18	WG1088333
1,2,3-Trichlorobenzene	U		0.00173	0.00301	1	03/25/2018 13:44	WG1088333
1,2,4-Trichlorobenzene	U	J4	0.00226	0.00301	1	03/25/2018 13:44	WG1088333
1,1,1-Trichloroethane	U		0.000981	0.00301	1	03/23/2018 04:18	WG1088333
1,1,2-Trichloroethane	U		0.000656	0.00301	1	03/23/2018 04:18	WG1088333
Trichloroethene	U		0.00128	0.00301	1	03/23/2018 04:18	WG1088333
Trichlorofluoromethane	U	J3 J4	0.00217	0.0150	1	03/25/2018 13:44	WG1088333
1,2,3-Trichloropropane	U		0.00298	0.00752	1	03/23/2018 04:18	WG1088333
1,2,4-Trimethylbenzene	0.00333	B	0.00117	0.00301	1	03/23/2018 04:18	WG1088333
1,2,3-Trimethylbenzene	0.00333		0.00156	0.00301	1	03/23/2018 04:18	WG1088333
1,3,5-Trimethylbenzene	U		0.00197	0.00301	1	03/23/2018 04:18	WG1088333
Vinyl acetate	U		0.00322	0.0301	1	03/25/2018 13:44	WG1088333
Vinyl chloride	U		0.00118	0.00301	1	03/23/2018 04:18	WG1088333
Xylenes, Total	U		0.00575	0.00903	1	03/23/2018 04:18	WG1088333
(S) Toluene-d8	*91.1*			*80.0-120*		*03/25/2018 13:44*	WG1088333
(S) Toluene-d8	*108*			*80.0-120*		*03/23/2018 04:18*	WG1088333
(S) Dibromofluoromethane	*86.3*			*74.0-131*		*03/23/2018 04:18*	WG1088333
(S) Dibromofluoromethane	*84.7*			*74.0-131*		*03/25/2018 13:44*	WG1088333
(S) 4-Bromofluorobenzene	*97.7*			*64.0-132*		*03/23/2018 04:18*	WG1088333
(S) 4-Bromofluorobenzene	*90.9*			*64.0-132*		*03/25/2018 13:44*	WG1088333

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch
Analyte	%			date / time	
Total Solids	84.9		1	03/27/2018 14:50	WG1089688

Volatile Organic Compounds (GC) by Method NWTPHGX

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	0.296		0.0399	0.118	1	03/22/2018 23:25	WG1087938
(S) a,a,a-Trifluorotoluene(FID)	*99.7*			*77.0-120*		*03/22/2018 23:25*	WG1087938

Volatile Organic Compounds (GC/MS) by Method 8260C

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J0	0.0118	0.0589	1	03/24/2018 02:43	WG1088867
Acrylonitrile	U		0.00211	0.0118	1	03/24/2018 02:43	WG1088867
Benzene	U		0.000318	0.00118	1	03/24/2018 02:43	WG1088867
Bromobenzene	U		0.000334	0.00118	1	03/24/2018 02:43	WG1088867
Bromodichloromethane	U		0.000299	0.00118	1	03/24/2018 02:43	WG1088867
Bromochloromethane	U		0.000459	0.00589	1	03/24/2018 02:43	WG1088867
Bromoform	U	J0	0.000499	0.00118	1	03/24/2018 02:43	WG1088867
Bromomethane	U		0.00158	0.00589	1	03/24/2018 02:43	WG1088867
n-Butylbenzene	U		0.000304	0.00118	1	03/24/2018 02:43	WG1088867
sec-Butylbenzene	U		0.000237	0.00118	1	03/24/2018 02:43	WG1088867
tert-Butylbenzene	U		0.000243	0.00118	1	03/24/2018 02:43	WG1088867
Carbon disulfide	0.000376	J J0	0.000260	0.00118	1	03/24/2018 02:43	WG1088867
Carbon tetrachloride	U		0.000386	0.00118	1	03/24/2018 02:43	WG1088867
Chlorobenzene	U		0.000250	0.00118	1	03/24/2018 02:43	WG1088867
Chlorodibromomethane	U		0.000439	0.00118	1	03/24/2018 02:43	WG1088867
Chloroethane	U		0.00111	0.00589	1	03/24/2018 02:43	WG1088867
Chloroform	U		0.000270	0.00589	1	03/24/2018 02:43	WG1088867
Chloromethane	U		0.000442	0.00294	1	03/24/2018 02:43	WG1088867
2-Chlorotoluene	U		0.000354	0.00118	1	03/24/2018 02:43	WG1088867
4-Chlorotoluene	U		0.000283	0.00118	1	03/24/2018 02:43	WG1088867
1,2-Dibromo-3-Chloropropane	U		0.00124	0.00589	1	03/24/2018 02:43	WG1088867
1,2-Dibromoethane	U		0.000404	0.00118	1	03/24/2018 02:43	WG1088867
Dibromomethane	U		0.000450	0.00118	1	03/24/2018 02:43	WG1088867
1,2-Dichlorobenzene	U		0.000359	0.00118	1	03/24/2018 02:43	WG1088867
1,3-Dichlorobenzene	U		0.000281	0.00118	1	03/24/2018 02:43	WG1088867
1,4-Dichlorobenzene	U		0.000266	0.00118	1	03/24/2018 02:43	WG1088867
Dichlorodifluoromethane	U		0.000840	0.00589	1	03/24/2018 02:43	WG1088867
1,1-Dichloroethane	U		0.000234	0.00118	1	03/24/2018 02:43	WG1088867
1,2-Dichloroethane	U		0.000312	0.00118	1	03/24/2018 02:43	WG1088867
1,1-Dichloroethene	U		0.000357	0.00118	1	03/24/2018 02:43	WG1088867
cis-1,2-Dichloroethene	0.000564	J	0.000277	0.00118	1	03/24/2018 02:43	WG1088867
trans-1,2-Dichloroethene	U		0.000311	0.00118	1	03/24/2018 02:43	WG1088867
1,2-Dichloropropane	U		0.000422	0.00118	1	03/24/2018 02:43	WG1088867
1,1-Dichloropropene	U		0.000373	0.00118	1	03/24/2018 02:43	WG1088867
1,3-Dichloropropane	U		0.000244	0.00118	1	03/24/2018 02:43	WG1088867
cis-1,3-Dichloropropene	U		0.000308	0.00118	1	03/24/2018 02:43	WG1088867
trans-1,3-Dichloropropene	U		0.000314	0.00118	1	03/24/2018 02:43	WG1088867
trans-1,4-Dichloro-2-butene	U		0.000916	0.00294	1	03/24/2018 02:43	WG1088867
2,2-Dichloropropane	U		0.000329	0.00118	1	03/24/2018 02:43	WG1088867
Di-isopropyl ether	U		0.000292	0.00118	1	03/24/2018 02:43	WG1088867
Ethylbenzene	U		0.000350	0.00118	1	03/24/2018 02:43	WG1088867
Hexachloro-1,3-butadiene	U		0.000403	0.00118	1	03/24/2018 02:43	WG1088867
2-Hexanone	U		0.00161	0.0118	1	03/24/2018 02:43	WG1088867
n-Hexane	U		0.000341	0.0118	1	03/24/2018 02:43	WG1088867

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Iodomethane	U		0.00298	0.0118	1	03/24/2018 02:43	WG1088867
Isopropylbenzene	U		0.000286	0.00118	1	03/24/2018 02:43	WG1088867
p-Isopropyltoluene	U		0.000240	0.00118	1	03/24/2018 02:43	WG1088867
2-Butanone (MEK)	U	J0	0.00551	0.0118	1	03/24/2018 02:43	WG1088867
Methylene Chloride	U		0.00118	0.00589	1	03/24/2018 02:43	WG1088867
4-Methyl-2-pentanone (MIBK)	U		0.00221	0.0118	1	03/24/2018 02:43	WG1088867
Methyl tert-butyl ether	U		0.000250	0.00118	1	03/24/2018 02:43	WG1088867
Naphthalene	U		0.00118	0.00589	1	03/24/2018 02:43	WG1088867
n-Propylbenzene	U		0.000243	0.00118	1	03/24/2018 02:43	WG1088867
Styrene	U		0.000276	0.00118	1	03/24/2018 02:43	WG1088867
1,1,1,2-Tetrachloroethane	U		0.000311	0.00118	1	03/24/2018 02:43	WG1088867
1,1,2,2-Tetrachloroethane	U		0.000430	0.00118	1	03/24/2018 02:43	WG1088867
1,1,2-Trichlorotrifluoroethane	U		0.000430	0.00118	1	03/24/2018 02:43	WG1088867
Tetrachloroethene	0.00118		0.000325	0.00118	1	03/24/2018 02:43	WG1088867
Toluene	U		0.000511	0.00589	1	03/24/2018 02:43	WG1088867
1,2,3-Trichlorobenzene	U		0.000360	0.00118	1	03/24/2018 02:43	WG1088867
1,2,4-Trichlorobenzene	U		0.000457	0.00118	1	03/24/2018 02:43	WG1088867
1,1,1-Trichloroethane	U		0.000337	0.00118	1	03/24/2018 02:43	WG1088867
1,1,2-Trichloroethane	U		0.000326	0.00118	1	03/24/2018 02:43	WG1088867
Trichloroethene	0.000393	J	0.000329	0.00118	1	03/24/2018 02:43	WG1088867
Trichlorofluoromethane	U		0.000450	0.00589	1	03/24/2018 02:43	WG1088867
1,2,3-Trichloropropane	U		0.000873	0.00294	1	03/24/2018 02:43	WG1088867
1,2,4-Trimethylbenzene	U		0.000248	0.00118	1	03/24/2018 02:43	WG1088867
1,2,3-Trimethylbenzene	U		0.000338	0.00118	1	03/24/2018 02:43	WG1088867
1,3,5-Trimethylbenzene	U		0.000313	0.00118	1	03/24/2018 02:43	WG1088867
Vinyl acetate	U	J0	0.00281	0.0118	1	03/24/2018 02:43	WG1088867
Vinyl chloride	U		0.000343	0.00118	1	03/24/2018 02:43	WG1088867
Xylenes, Total	U		0.000822	0.00353	1	03/24/2018 02:43	WG1088867
(S) Toluene-d8	*106*			*80.0-120*		*03/24/2018 02:43*	WG1088867
(S) Dibromofluoromethane	*104*			*74.0-131*		*03/24/2018 02:43*	WG1088867
(S) 4-Bromofluorobenzene	*91.8*			*64.0-132*		*03/24/2018 02:43*	WG1088867

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

IW-7A-45

Collected date/time: 03/16/18 10:20

SAMPLE RESULTS - 09

L979219

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	85.6		1	03/27/2018 14:38	WG1089690

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	0.282		0.0396	0.117	1	03/22/2018 23:47	WG1087938
(S) a,a,a-Trifluorotoluene(FID)	*99.7*			*77.0-120*		*03/22/2018 23:47*	WG1087938

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U	J0	0.0117	0.0584	1	03/24/2018 03:03	WG1088867
Acrylonitrile	U		0.00209	0.0117	1	03/24/2018 03:03	WG1088867
Benzene	0.000600	J	0.000316	0.00117	1	03/24/2018 03:03	WG1088867
Bromobenzene	U		0.000332	0.00117	1	03/24/2018 03:03	WG1088867
Bromodichloromethane	U		0.000297	0.00117	1	03/24/2018 03:03	WG1088867
Bromochloromethane	U		0.000456	0.00584	1	03/24/2018 03:03	WG1088867
Bromoform	U	J0	0.000496	0.00117	1	03/24/2018 03:03	WG1088867
Bromomethane	U		0.00157	0.00584	1	03/24/2018 03:03	WG1088867
n-Butylbenzene	U		0.000302	0.00117	1	03/24/2018 03:03	WG1088867
sec-Butylbenzene	U		0.000235	0.00117	1	03/24/2018 03:03	WG1088867
tert-Butylbenzene	U		0.000241	0.00117	1	03/24/2018 03:03	WG1088867
Carbon disulfide	0.000628	J J0	0.000258	0.00117	1	03/24/2018 03:03	WG1088867
Carbon tetrachloride	U		0.000383	0.00117	1	03/24/2018 03:03	WG1088867
Chlorobenzene	U		0.000248	0.00117	1	03/24/2018 03:03	WG1088867
Chlorodibromomethane	U		0.000436	0.00117	1	03/24/2018 03:03	WG1088867
Chloroethane	U		0.00111	0.00584	1	03/24/2018 03:03	WG1088867
Chloroform	U		0.000268	0.00584	1	03/24/2018 03:03	WG1088867
Chloromethane	U		0.000438	0.00292	1	03/24/2018 03:03	WG1088867
2-Chlorotoluene	U		0.000352	0.00117	1	03/24/2018 03:03	WG1088867
4-Chlorotoluene	U		0.000281	0.00117	1	03/24/2018 03:03	WG1088867
1,2-Dibromo-3-Chloropropane	U		0.00123	0.00584	1	03/24/2018 03:03	WG1088867
1,2-Dibromoethane	U		0.000401	0.00117	1	03/24/2018 03:03	WG1088867
Dibromomethane	U		0.000446	0.00117	1	03/24/2018 03:03	WG1088867
1,2-Dichlorobenzene	U		0.000356	0.00117	1	03/24/2018 03:03	WG1088867
1,3-Dichlorobenzene	U		0.000279	0.00117	1	03/24/2018 03:03	WG1088867
1,4-Dichlorobenzene	U		0.000264	0.00117	1	03/24/2018 03:03	WG1088867
Dichlorodifluoromethane	U		0.000833	0.00584	1	03/24/2018 03:03	WG1088867
1,1-Dichloroethane	U		0.000233	0.00117	1	03/24/2018 03:03	WG1088867
1,2-Dichloroethane	U		0.000310	0.00117	1	03/24/2018 03:03	WG1088867
1,1-Dichloroethene	U		0.000354	0.00117	1	03/24/2018 03:03	WG1088867
cis-1,2-Dichloroethene	0.000444	J	0.000275	0.00117	1	03/24/2018 03:03	WG1088867
trans-1,2-Dichloroethene	U		0.000309	0.00117	1	03/24/2018 03:03	WG1088867
1,2-Dichloropropane	U		0.000418	0.00117	1	03/24/2018 03:03	WG1088867
1,1-Dichloropropene	U		0.000371	0.00117	1	03/24/2018 03:03	WG1088867
1,3-Dichloropropane	U		0.000242	0.00117	1	03/24/2018 03:03	WG1088867
cis-1,3-Dichloropropene	U		0.000306	0.00117	1	03/24/2018 03:03	WG1088867
trans-1,3-Dichloropropene	U		0.000312	0.00117	1	03/24/2018 03:03	WG1088867
trans-1,4-Dichloro-2-butene	U		0.000909	0.00292	1	03/24/2018 03:03	WG1088867
2,2-Dichloropropane	U		0.000326	0.00117	1	03/24/2018 03:03	WG1088867
Di-isopropyl ether	U		0.000290	0.00117	1	03/24/2018 03:03	WG1088867
Ethylbenzene	U		0.000347	0.00117	1	03/24/2018 03:03	WG1088867
Hexachloro-1,3-butadiene	U		0.000400	0.00117	1	03/24/2018 03:03	WG1088867
2-Hexanone	U		0.00160	0.0117	1	03/24/2018 03:03	WG1088867
n-Hexane	U		0.000339	0.0117	1	03/24/2018 03:03	WG1088867

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Iodomethane	U		0.00296	0.0117	1	03/24/2018 03:03	WG1088867
Isopropylbenzene	U		0.000284	0.00117	1	03/24/2018 03:03	WG1088867
p-Isopropyltoluene	U		0.000238	0.00117	1	03/24/2018 03:03	WG1088867
2-Butanone (MEK)	U	J0	0.00547	0.0117	1	03/24/2018 03:03	WG1088867
Methylene Chloride	U		0.00117	0.00584	1	03/24/2018 03:03	WG1088867
4-Methyl-2-pentanone (MIBK)	U		0.00220	0.0117	1	03/24/2018 03:03	WG1088867
Methyl tert-butyl ether	U		0.000248	0.00117	1	03/24/2018 03:03	WG1088867
Naphthalene	U		0.00117	0.00584	1	03/24/2018 03:03	WG1088867
n-Propylbenzene	U		0.000241	0.00117	1	03/24/2018 03:03	WG1088867
Styrene	U		0.000274	0.00117	1	03/24/2018 03:03	WG1088867
1,1,1,2-Tetrachloroethane	U		0.000309	0.00117	1	03/24/2018 03:03	WG1088867
1,1,2,2-Tetrachloroethane	0.000611	J	0.000427	0.00117	1	03/24/2018 03:03	WG1088867
1,1,2-Trichlorotrifluoroethane	U		0.000427	0.00117	1	03/24/2018 03:03	WG1088867
Tetrachloroethene	0.000910	J	0.000323	0.00117	1	03/24/2018 03:03	WG1088867
Toluene	U		0.000507	0.00584	1	03/24/2018 03:03	WG1088867
1,2,3-Trichlorobenzene	U		0.000358	0.00117	1	03/24/2018 03:03	WG1088867
1,2,4-Trichlorobenzene	U		0.000454	0.00117	1	03/24/2018 03:03	WG1088867
1,1,1-Trichloroethane	U		0.000334	0.00117	1	03/24/2018 03:03	WG1088867
1,1,2-Trichloroethane	U		0.000324	0.00117	1	03/24/2018 03:03	WG1088867
Trichloroethene	U		0.000326	0.00117	1	03/24/2018 03:03	WG1088867
Trichlorofluoromethane	U		0.000446	0.00584	1	03/24/2018 03:03	WG1088867
1,2,3-Trichloropropane	U		0.000866	0.00292	1	03/24/2018 03:03	WG1088867
1,2,4-Trimethylbenzene	U		0.000247	0.00117	1	03/24/2018 03:03	WG1088867
1,2,3-Trimethylbenzene	U		0.000335	0.00117	1	03/24/2018 03:03	WG1088867
1,3,5-Trimethylbenzene	U		0.000311	0.00117	1	03/24/2018 03:03	WG1088867
Vinyl acetate	U	J0	0.00279	0.0117	1	03/24/2018 03:03	WG1088867
Vinyl chloride	U		0.000340	0.00117	1	03/24/2018 03:03	WG1088867
Xylenes, Total	U		0.000816	0.00351	1	03/24/2018 03:03	WG1088867
(S) Toluene-d8	*105*			*80.0-120*		*03/24/2018 03:03*	WG1088867
(S) Dibromofluoromethane	*102*			*74.0-131*		*03/24/2018 03:03*	WG1088867
(S) 4-Bromofluorobenzene	*93.7*			*64.0-132*		*03/24/2018 03:03*	WG1088867

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	90.0		1	03/27/2018 14:38	WG1089690

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	0.483		0.0377	0.111	1	03/23/2018 00:09	WG1087938
(S) a,a,a-Trifluorotoluene(FID)	*101*			*77.0-120*		*03/23/2018 00:09*	WG1087938

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.0327	J	0.0111	0.0555	1	03/27/2018 12:56	WG1089430
Acrylonitrile	U		0.00199	0.0111	1	03/27/2018 12:56	WG1089430
Benzene	U		0.000300	0.00111	1	03/27/2018 12:56	WG1089430
Bromobenzene	U		0.000315	0.00111	1	03/27/2018 12:56	WG1089430
Bromodichloromethane	U		0.000282	0.00111	1	03/27/2018 12:56	WG1089430
Bromochloromethane	U		0.000433	0.00555	1	03/27/2018 12:56	WG1089430
Bromoform	U		0.000471	0.00111	1	03/27/2018 12:56	WG1089430
Bromomethane	U		0.00149	0.00555	1	03/27/2018 12:56	WG1089430
n-Butylbenzene	U		0.000287	0.00111	1	03/27/2018 12:56	WG1089430
sec-Butylbenzene	U		0.000223	0.00111	1	03/27/2018 12:56	WG1089430
tert-Butylbenzene	U		0.000229	0.00111	1	03/27/2018 12:56	WG1089430
Carbon disulfide	U		0.000245	0.00111	1	03/27/2018 12:56	WG1089430
Carbon tetrachloride	U		0.000364	0.00111	1	03/27/2018 12:56	WG1089430
Chlorobenzene	U		0.000235	0.00111	1	03/27/2018 12:56	WG1089430
Chlorodibromomethane	U		0.000414	0.00111	1	03/27/2018 12:56	WG1089430
Chloroethane	U		0.00105	0.00555	1	03/27/2018 12:56	WG1089430
Chloroform	U		0.000254	0.00555	1	03/27/2018 12:56	WG1089430
Chloromethane	U		0.000417	0.00278	1	03/27/2018 12:56	WG1089430
2-Chlorotoluene	U		0.000334	0.00111	1	03/27/2018 12:56	WG1089430
4-Chlorotoluene	U		0.000267	0.00111	1	03/27/2018 12:56	WG1089430
1,2-Dibromo-3-Chloropropane	U	J0	0.00117	0.00555	1	03/27/2018 12:56	WG1089430
1,2-Dibromoethane	U		0.000381	0.00111	1	03/27/2018 12:56	WG1089430
Dibromomethane	U		0.000424	0.00111	1	03/27/2018 12:56	WG1089430
1,2-Dichlorobenzene	U		0.000339	0.00111	1	03/27/2018 12:56	WG1089430
1,3-Dichlorobenzene	U		0.000265	0.00111	1	03/27/2018 12:56	WG1089430
1,4-Dichlorobenzene	U		0.000251	0.00111	1	03/27/2018 12:56	WG1089430
Dichlorodifluoromethane	U		0.000792	0.00555	1	03/27/2018 12:56	WG1089430
1,1-Dichloroethane	U		0.000221	0.00111	1	03/27/2018 12:56	WG1089430
1,2-Dichloroethane	U		0.000294	0.00111	1	03/27/2018 12:56	WG1089430
1,1-Dichloroethene	0.000677	J	0.000337	0.00111	1	03/27/2018 12:56	WG1089430
cis-1,2-Dichloroethene	0.117		0.000261	0.00111	1	03/27/2018 12:56	WG1089430
trans-1,2-Dichloroethene	0.000372	J	0.000293	0.00111	1	03/27/2018 12:56	WG1089430
1,2-Dichloropropane	U		0.000398	0.00111	1	03/27/2018 12:56	WG1089430
1,1-Dichloropropene	U		0.000352	0.00111	1	03/27/2018 12:56	WG1089430
1,3-Dichloropropane	U		0.000230	0.00111	1	03/27/2018 12:56	WG1089430
cis-1,3-Dichloropropene	U		0.000291	0.00111	1	03/27/2018 12:56	WG1089430
trans-1,3-Dichloropropene	U		0.000297	0.00111	1	03/27/2018 12:56	WG1089430
trans-1,4-Dichloro-2-butene	U		0.000864	0.00278	1	03/27/2018 12:56	WG1089430
2,2-Dichloropropane	U		0.000310	0.00111	1	03/27/2018 12:56	WG1089430
Di-isopropyl ether	U		0.000275	0.00111	1	03/27/2018 12:56	WG1089430
Ethylbenzene	U		0.000330	0.00111	1	03/27/2018 12:56	WG1089430
Hexachloro-1,3-butadiene	U		0.000380	0.00111	1	03/27/2018 12:56	WG1089430
2-Hexanone	U	J0	0.00152	0.0111	1	03/27/2018 12:56	WG1089430
n-Hexane	U		0.000322	0.0111	1	03/27/2018 12:56	WG1089430

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Iodomethane	U		0.00281	0.0111	1	03/27/2018 12:56	WG1089430
Isopropylbenzene	U		0.000270	0.00111	1	03/27/2018 12:56	WG1089430
p-Isopropyltoluene	U		0.000227	0.00111	1	03/27/2018 12:56	WG1089430
2-Butanone (MEK)	U		0.00520	0.0111	1	03/27/2018 12:56	WG1089430
Methylene Chloride	U		0.00111	0.00555	1	03/27/2018 12:56	WG1089430
4-Methyl-2-pentanone (MIBK)	U		0.00209	0.0111	1	03/27/2018 12:56	WG1089430
Methyl tert-butyl ether	U		0.000235	0.00111	1	03/27/2018 12:56	WG1089430
Naphthalene	U		0.00111	0.00555	1	03/27/2018 12:56	WG1089430
n-Propylbenzene	U		0.000229	0.00111	1	03/27/2018 12:56	WG1089430
Styrene	U		0.000260	0.00111	1	03/27/2018 12:56	WG1089430
1,1,1,2-Tetrachloroethane	U		0.000293	0.00111	1	03/27/2018 12:56	WG1089430
1,1,2,2-Tetrachloroethane	U		0.000405	0.00111	1	03/27/2018 12:56	WG1089430
1,1,2-Trichlorotrifluoroethane	U		0.000405	0.00111	1	03/27/2018 12:56	WG1089430
Tetrachloroethene	0.0179		0.000307	0.00111	1	03/27/2018 12:56	WG1089430
Toluene	U		0.000482	0.00555	1	03/27/2018 12:56	WG1089430
1,2,3-Trichlorobenzene	U		0.000340	0.00111	1	03/27/2018 12:56	WG1089430
1,2,4-Trichlorobenzene	U		0.000431	0.00111	1	03/27/2018 12:56	WG1089430
1,1,1-Trichloroethane	U		0.000318	0.00111	1	03/27/2018 12:56	WG1089430
1,1,2-Trichloroethane	U		0.000308	0.00111	1	03/27/2018 12:56	WG1089430
Trichloroethene	0.00761		0.000310	0.00111	1	03/27/2018 12:56	WG1089430
Trichlorofluoromethane	U	J4	0.000424	0.00555	1	03/27/2018 12:56	WG1089430
1,2,3-Trichloropropane	U		0.000823	0.00278	1	03/27/2018 12:56	WG1089430
1,2,4-Trimethylbenzene	U		0.000234	0.00111	1	03/27/2018 12:56	WG1089430
1,2,3-Trimethylbenzene	U		0.000319	0.00111	1	03/27/2018 12:56	WG1089430
1,3,5-Trimethylbenzene	U		0.000295	0.00111	1	03/27/2018 12:56	WG1089430
Vinyl acetate	U	J4	0.00265	0.0111	1	03/27/2018 12:56	WG1089430
Vinyl chloride	0.00223		0.000323	0.00111	1	03/27/2018 12:56	WG1089430
Xylenes, Total	U		0.000775	0.00333	1	03/27/2018 12:56	WG1089430
(S) Toluene-d8	*108*			*80.0-120*		*03/27/2018 12:56*	WG1089430
(S) Dibromofluoromethane	*111*			*74.0-131*		*03/27/2018 12:56*	WG1089430
(S) 4-Bromofluorobenzene	*105*			*64.0-132*		*03/27/2018 12:56*	WG1089430

Method Blank (MB)

(MB) R3296924-1 03/27/18 14:50

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.00200			

L979210-01 Original Sample (OS) • Duplicate (DUP)

(OS) L979210-01 03/27/18 14:50 • (DUP) R3296924-3 03/27/18 14:50

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	92.7	92.9	1	0.240		5

Laboratory Control Sample (LCS)

(LCS) R3296924-2 03/27/18 14:50

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	99.9	85.0-115	

Method Blank (MB)

(MB) R3296921-1 03/27/18 14:38

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.00200			

L979219-09 Original Sample (OS) • Duplicate (DUP)

(OS) L979219-09 03/27/18 14:38 • (DUP) R3296921-3 03/27/18 14:38

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	85.6	83.0	1	3.07		5

Laboratory Control Sample (LCS)

(LCS) R3296921-2 03/27/18 14:38

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	49.9	99.9	85.0-115	

Method Blank (MB)

(MB) R3296143-3 03/22/18 16:05

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Gasoline Range Organics-NWTPH	U		0.0339	0.100
(S) a,a,a-Trifluorotoluene(FID)	*102*			*77.0-120*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3296143-1 03/22/18 14:59 • (LCSD) R3296143-2 03/22/18 15:21

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Gasoline Range Organics-NWTPH	5.50	6.15	5.65	112	103	70.0-133			8.55	20
(S) a,a,a-Trifluorotoluene(FID)				*106*	*106*	*77.0-120*				

L978500-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L978500-01 03/22/18 16:48 • (MS) R3296143-4 03/23/18 00:31 • (MSD) R3296143-5 03/23/18 00:53

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Gasoline Range Organics-NWTPH	5.98	0.0419	2.37	1.22	38.9	19.7	1	10.0-146		J3	64.1	30
(S) a,a,a-Trifluorotoluene(FID)					*101*	*99.3*		*77.0-120*				

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Method Blank (MB)

(MB) R3295861-3 03/22/18 23:32

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acetone	U		0.0158	0.125
Acrylonitrile	U		0.00742	0.0250
Benzene	U		0.00130	0.00250
Bromobenzene	U		0.000898	0.00250
Bromodichloromethane	U		0.000642	0.00250
Bromochloromethane	U		0.000715	0.00250
Bromoform	U		0.000610	0.00250
Bromomethane	U		0.00380	0.0125
n-Butylbenzene	U		0.00170	0.00250
sec-Butylbenzene	U		0.00104	0.00250
tert-Butylbenzene	U		0.00108	0.00250
Carbon disulfide	U		0.000830	0.00250
Carbon tetrachloride	U		0.000585	0.0125
Chlorobenzene	U		0.000872	0.00250
Chlorodibromomethane	U		0.000718	0.00250
Chloroethane	U		0.00470	0.0125
Chloroform	U		0.00174	0.00250
Chloromethane	U		0.00224	0.0200
2-Chlorotoluene	U		0.000935	0.00250
4-Chlorotoluene	U		0.00113	0.00250
1,2-Dibromo-3-Chloropropane	U		0.00240	0.0125
1,2-Dibromoethane	U		0.000952	0.00250
Dibromomethane	U		0.00100	0.00250
1,2-Dichlorobenzene	U		0.00117	0.00250
1,3-Dichlorobenzene	U		0.00134	0.00250
1,4-Dichlorobenzene	0.00175	J	0.00130	0.00250
trans-1,4-Dichloro-2-butene	U		0.00131	0.00625
Dichlorodifluoromethane	U		0.00146	0.0125
1,1-Dichloroethane	U		0.000770	0.00250
1,2-Dichloroethane	U		0.000700	0.00250
1,1-Dichloroethene	U		0.000880	0.00250
cis-1,2-Dichloroethene	U		0.000528	0.00250
trans-1,2-Dichloroethene	U		0.00180	0.00250
1,2-Dichloropropane	U		0.00128	0.00500
1,1-Dichloropropene	U		0.000670	0.00250
1,3-Dichloropropane	U		0.000515	0.00250
cis-1,3-Dichloropropene	U		0.000903	0.00250
trans-1,3-Dichloropropene	U		0.000798	0.00250
2,2-Dichloropropane	U		0.000562	0.00250
Di-isopropyl ether	U		0.000595	0.00250

Method Blank (MB)

(MB) R3295861-3 03/22/18 23:32

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Ethylbenzene	U		0.00129	0.00250
Hexachloro-1,3-butadiene	U		0.00310	0.00500
n-Hexane	U		0.00129	0.0250
2-Hexanone	U		0.00285	0.0250
Iodomethane	U		0.00195	0.00500
Isopropylbenzene	U		0.00103	0.00250
p-Isopropyltoluene	U		0.00130	0.00250
2-Butanone (MEK)	U		0.0125	0.250
Methylene Chloride	U		0.00313	0.0125
4-Methyl-2-pentanone (MIBK)	U		0.00775	0.0250
Methyl tert-butyl ether	U		0.000972	0.00500
Naphthalene	U		0.00710	0.0125
n-Propylbenzene	U		0.00120	0.00250
Styrene	U		0.00118	0.00250
1,1,1,2-Tetrachloroethane	U		0.000630	0.00250
1,1,2,2-Tetrachloroethane	U		0.000735	0.00250
Tetrachloroethene	U		0.00119	0.00250
Toluene	U		0.00265	0.00500
1,1,2-Trichlorotrifluoroethane	U		0.000550	0.00250
1,2,3-Trichlorobenzene	U		0.00144	0.00250
1,2,4-Trichlorobenzene	0.00208	J	0.00188	0.00250
1,1,1-Trichloroethane	U		0.000815	0.00250
1,1,2-Trichloroethane	U		0.000545	0.00250
Trichloroethene	U		0.00106	0.00250
Trichlorofluoromethane	U		0.00180	0.0125
1,2,3-Trichloropropane	U		0.00248	0.00625
1,2,3-Trimethylbenzene	U		0.00130	0.00250
1,2,4-Trimethylbenzene	0.00136	J	0.000970	0.00250
1,3,5-Trimethylbenzene	U		0.00164	0.00250
Vinyl acetate	U		0.00268	0.0250
Vinyl chloride	U		0.000978	0.00250
Xylenes, Total	U		0.00478	0.00750
(S) Toluene-d8	*106*			*80.0-120*
(S) Dibromofluoromethane	*91.4*			*74.0-131*
(S) 4-Bromofluorobenzene	*97.1*			*64.0-132*

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3295861-1 03/22/18 21:00 • (LCSD) R3295861-2 03/22/18 21:18

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	3.13	4.86	4.89	155	156	11.0-160			0.542	23
Acrylonitrile	3.13	3.53	3.53	113	113	61.0-143			0.0880	20
Benzene	0.625	0.561	0.562	89.8	89.9	71.0-124			0.0639	20
Bromobenzene	0.625	0.589	0.604	94.3	96.6	78.0-120			2.41	20
Bromodichloromethane	0.625	0.578	0.589	92.5	94.2	75.0-120			1.87	20
Bromochloromethane	0.625	0.558	0.548	89.3	87.7	79.7-123			1.83	20
Bromoform	0.625	0.603	0.629	96.5	101	65.0-133			4.16	20
Bromomethane	0.625	0.636	0.629	102	101	26.0-160			1.05	20
n-Butylbenzene	0.625	0.547	0.563	87.5	90.1	73.0-126			2.93	20
sec-Butylbenzene	0.625	0.589	0.613	94.3	98.1	75.0-121			3.94	20
tert-Butylbenzene	0.625	0.609	0.626	97.5	100	74.0-122			2.76	20
Carbon disulfide	0.625	0.492	0.488	78.7	78.1	53.0-130			0.651	20
Carbon tetrachloride	0.625	0.570	0.570	91.1	91.3	66.0-123			0.153	20
Chlorobenzene	0.625	0.588	0.598	94.1	95.6	79.0-121			1.59	20
Chlorodibromomethane	0.625	0.582	0.595	93.2	95.2	74.0-128			2.19	20
Chloroethane	0.625	0.609	0.586	97.5	93.8	51.0-147			3.85	20
Chloroform	0.625	0.592	0.587	94.7	94.0	73.0-123			0.753	20
Chloromethane	0.625	0.551	0.545	88.1	87.1	51.0-138			1.11	20
2-Chlorotoluene	0.625	0.565	0.580	90.4	92.8	72.0-124			2.56	20
4-Chlorotoluene	0.625	0.599	0.614	95.8	98.3	78.0-120			2.58	20
1,2-Dibromo-3-Chloropropane	0.625	0.491	0.503	78.5	80.4	65.0-126			2.41	20
1,2-Dibromoethane	0.625	0.555	0.580	88.7	92.7	78.0-122			4.40	20
Dibromomethane	0.625	0.553	0.564	88.4	90.2	79.0-120			1.96	20
1,2-Dichlorobenzene	0.625	0.559	0.574	89.5	91.9	80.0-120			2.65	20
1,3-Dichlorobenzene	0.625	0.561	0.571	89.8	91.3	72.0-123			1.64	20
1,4-Dichlorobenzene	0.625	0.547	0.564	87.5	90.3	77.0-120			3.16	20
trans-1,4-Dichloro-2-butene	0.625	0.678	0.692	108	111	68.0-126			2.08	20
Dichlorodifluoromethane	0.625	0.575	0.568	92.1	90.9	49.0-155			1.31	20
1,1-Dichloroethane	0.625	0.576	0.573	92.1	91.7	70.0-128			0.435	20
1,2-Dichloroethane	0.625	0.580	0.574	92.9	91.9	69.0-128			1.10	20
1,1-Dichloroethene	0.625	0.561	0.559	89.8	89.5	63.0-131			0.329	20
cis-1,2-Dichloroethene	0.625	0.592	0.595	94.8	95.2	74.0-123			0.503	20
trans-1,2-Dichloroethene	0.625	0.588	0.580	94.1	92.7	72.0-122			1.43	20
1,2-Dichloropropane	0.625	0.578	0.577	92.5	92.3	75.0-126			0.233	20
1,1-Dichloropropene	0.625	0.582	0.585	93.2	93.6	72.0-130			0.525	20
1,3-Dichloropropane	0.625	0.615	0.618	98.4	98.9	80.0-121			0.564	20
cis-1,3-Dichloropropene	0.625	0.585	0.602	93.5	96.4	80.0-125			2.97	20
trans-1,3-Dichloropropene	0.625	0.603	0.613	96.4	98.1	75.0-129			1.69	20
2,2-Dichloropropane	0.625	0.564	0.562	90.2	90.0	60.0-129			0.193	20
Di-isopropyl ether	0.625	0.553	0.554	88.5	88.6	62.0-133			0.154	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3295861-1 03/22/18 21:00 • (LCSD) R3295861-2 03/22/18 21:18

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Ethylbenzene	0.625	0.577	0.595	92.3	95.1	77.0-120			3.04	20
Hexachloro-1,3-butadiene	0.625	0.484	0.518	77.5	83.0	68.0-128			6.78	20
2-Hexanone	3.13	3.41	3.46	109	111	61.0-143			1.34	20
n-Hexane	0.625	0.470	0.466	75.2	74.5	57.0-125			0.878	20
Iodomethane	3.13	2.96	2.96	94.7	94.6	67.0-132			0.110	20
Isopropylbenzene	0.625	0.599	0.622	95.8	99.6	75.0-120			3.86	20
p-Isopropyltoluene	0.625	0.599	0.613	95.9	98.1	74.0-125			2.28	20
2-Butanone (MEK)	3.13	2.86	2.81	91.6	89.9	37.0-159			1.89	21.3
Methylene Chloride	0.625	0.615	0.607	98.4	97.1	67.0-123			1.30	20
4-Methyl-2-pentanone (MIBK)	3.13	3.09	3.12	98.9	99.9	60.0-144			0.947	20
Methyl tert-butyl ether	0.625	0.586	0.585	93.7	93.6	66.0-125			0.162	20
Naphthalene	0.625	0.419	0.445	67.1	71.2	64.0-125			5.96	20
n-Propylbenzene	0.625	0.597	0.611	95.5	97.7	78.0-120			2.32	20
Styrene	0.625	0.535	0.553	85.6	88.5	78.0-124			3.27	20
1,1,1,2-Tetrachloroethane	0.625	0.559	0.583	89.5	93.2	74.0-124			4.04	20
1,1,2,2-Tetrachloroethane	0.625	0.581	0.591	93.0	94.6	73.0-120			1.64	20
Tetrachloroethene	0.625	0.622	0.638	99.5	102	70.0-127			2.68	20
Toluene	0.625	0.549	0.562	87.8	89.9	70.0-120			2.37	20
1,1,2-Trichlorotrifluoroethane	0.625	0.616	0.615	98.6	98.3	64.0-135			0.230	20
1,2,3-Trichlorobenzene	0.625	0.426	0.475	68.2	76.0	68.0-126			10.8	20
1,2,4-Trichlorobenzene	0.625	0.428	0.453	68.5	72.5	70.0-127	J4		5.76	20
1,1,1-Trichloroethane	0.625	0.564	0.557	90.2	89.1	69.0-125			1.18	20
1,1,2-Trichloroethane	0.625	0.614	0.627	98.3	100	78.0-120			1.96	20
Trichloroethene	0.625	0.638	0.641	102	103	79.0-120			0.529	20
Trichlorofluoromethane	0.625	0.606	0.359	97.0	57.4	59.0-136		J3 J4	51.2	20
1,2,3-Trichloropropane	0.625	0.578	0.590	92.5	94.5	73.0-124			2.06	20
1,2,3-Trimethylbenzene	0.625	0.588	0.600	94.1	96.0	76.0-120			1.94	20
1,2,4-Trimethylbenzene	0.625	0.556	0.572	89.0	91.5	75.0-120			2.80	20
1,3,5-Trimethylbenzene	0.625	0.578	0.596	92.5	95.4	75.0-120			3.02	20
Vinyl acetate	3.13	2.35	2.36	75.1	75.5	58.0-156			0.558	20
Vinyl chloride	0.625	0.541	0.542	86.6	86.7	63.0-134			0.0641	20
Xylenes, Total	1.88	1.68	1.73	89.8	92.4	77.0-120			2.93	20
(S) Toluene-d8				*105*	*106*	*80.0-120*				
(S) Dibromofluoromethane				*94.9*	*94.6*	*74.0-131*				
(S) 4-Bromofluorobenzene				*97.8*	*100*	*64.0-132*				

Method Blank (MB)

(MB) R3296387-3 03/23/18 22:02

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acetone	U		0.0100	0.0500
Acrylonitrile	U		0.00179	0.0100
Benzene	U		0.000270	0.00100
Bromobenzene	U		0.000284	0.00100
Bromodichloromethane	U		0.000254	0.00100
Bromochloromethane	U		0.000390	0.00500
Bromoform	U		0.000424	0.00100
Bromomethane	U		0.00134	0.00500
n-Butylbenzene	U		0.000258	0.00100
sec-Butylbenzene	U		0.000201	0.00100
tert-Butylbenzene	U		0.000206	0.00100
Carbon disulfide	U		0.000221	0.00100
Carbon tetrachloride	U		0.000328	0.00100
Chlorobenzene	U		0.000212	0.00100
Chlorodibromomethane	U		0.000373	0.00100
Chloroethane	U		0.000946	0.00500
Chloroform	U		0.000229	0.00500
Chloromethane	U		0.000375	0.00250
2-Chlorotoluene	U		0.000301	0.00100
4-Chlorotoluene	U		0.000240	0.00100
1,2-Dibromo-3-Chloropropane	U		0.00105	0.00500
1,2-Dibromoethane	U		0.000343	0.00100
Dibromomethane	U		0.000382	0.00100
1,2-Dichlorobenzene	U		0.000305	0.00100
1,3-Dichlorobenzene	U		0.000239	0.00100
1,4-Dichlorobenzene	U		0.000226	0.00100
trans-1,4-Dichloro-2-butene	U		0.000778	0.00250
Dichlorodifluoromethane	U		0.000713	0.00500
1,1-Dichloroethane	U		0.000199	0.00100
1,2-Dichloroethane	U		0.000265	0.00100
1,1-Dichloroethene	U		0.000303	0.00100
cis-1,2-Dichloroethene	U		0.000235	0.00100
trans-1,2-Dichloroethene	U		0.000264	0.00100
1,2-Dichloropropane	U		0.000358	0.00100
1,1-Dichloropropene	U		0.000317	0.00100
1,3-Dichloropropane	U		0.000207	0.00100
cis-1,3-Dichloropropene	U		0.000262	0.00100
trans-1,3-Dichloropropene	U		0.000267	0.00100
2,2-Dichloropropane	U		0.000279	0.00100
Di-isopropyl ether	U		0.000248	0.00100

Method Blank (MB)

(MB) R3296387-3 03/23/18 22:02

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Ethylbenzene	U		0.000297	0.00100
Hexachloro-1,3-butadiene	U		0.000342	0.00100
2-Hexanone	U		0.00137	0.0100
n-Hexane	U		0.000290	0.0100
Iodomethane	U		0.00253	0.0100
Isopropylbenzene	U		0.000243	0.00100
p-Isopropyltoluene	U		0.000204	0.00100
2-Butanone (MEK)	U		0.00468	0.0100
Methylene Chloride	U		0.00100	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.00188	0.0100
Methyl tert-butyl ether	U		0.000212	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.000206	0.00100
Styrene	U		0.000234	0.00100
1,1,1,2-Tetrachloroethane	U		0.000264	0.00100
1,1,2,2-Tetrachloroethane	U		0.000365	0.00100
Tetrachloroethene	U		0.000276	0.00100
Toluene	U		0.000434	0.00500
1,1,2-Trichlorotrifluoroethane	U		0.000365	0.00100
1,2,3-Trichlorobenzene	0.000413	J	0.000306	0.00100
1,2,4-Trichlorobenzene	U		0.000388	0.00100
1,1,1-Trichloroethane	U		0.000286	0.00100
1,1,2-Trichloroethane	U		0.000277	0.00100
Trichloroethene	U		0.000279	0.00100
Trichlorofluoromethane	U		0.000382	0.00500
1,2,3-Trichloropropane	U		0.000741	0.00250
1,2,3-Trimethylbenzene	U		0.000287	0.00100
1,2,4-Trimethylbenzene	U		0.000211	0.00100
1,3,5-Trimethylbenzene	U		0.000266	0.00100
Vinyl acetate	U		0.00239	0.0100
Vinyl chloride	U		0.000291	0.00100
Xylenes, Total	U		0.000698	0.00300
(S) Toluene-d8	*114*			*80.0-120*
(S) Dibromofluoromethane	*98.2*			*74.0-131*
(S) 4-Bromofluorobenzene	*89.0*			*64.0-132*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3296387-1 03/23/18 21:02 • (LCSD) R3296387-2 03/23/18 21:22

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.125	0.0651	0.0655	52.1	52.4	11.0-160			0.566	23
Acrylonitrile	0.125	0.120	0.119	96.3	95.2	61.0-143			1.15	20
Benzene	0.0250	0.0242	0.0235	96.7	94.0	71.0-124			2.75	20
Bromobenzene	0.0250	0.0228	0.0220	91.3	88.2	78.0-120			3.49	20
Bromodichloromethane	0.0250	0.0213	0.0206	85.3	82.5	75.0-120			3.39	20
Bromochloromethane	0.0250	0.0273	0.0268	109	107	80.0-121			1.75	20
Bromoform	0.0250	0.0186	0.0185	74.6	73.8	65.0-133			0.993	20
Bromomethane	0.0250	0.0247	0.0237	98.9	94.6	26.0-160			4.47	20
n-Butylbenzene	0.0250	0.0237	0.0234	95.0	93.5	73.0-126			1.55	20
sec-Butylbenzene	0.0250	0.0249	0.0252	99.7	101	75.0-121			1.34	20
tert-Butylbenzene	0.0250	0.0247	0.0248	98.8	99.3	74.0-122			0.515	20
Carbon disulfide	0.0250	0.0193	0.0180	77.4	71.9	53.0-130			7.41	20
Carbon tetrachloride	0.0250	0.0232	0.0231	92.8	92.3	66.0-123			0.510	20
Chlorobenzene	0.0250	0.0287	0.0277	115	111	79.0-121			3.43	20
Chlorodibromomethane	0.0250	0.0227	0.0230	91.0	92.0	74.0-128			1.09	20
Chloroethane	0.0250	0.0233	0.0236	93.2	94.3	51.0-147			1.13	20
Chloroform	0.0250	0.0234	0.0232	93.7	92.7	73.0-123			0.975	20
Chloromethane	0.0250	0.0197	0.0197	78.7	78.8	51.0-138			0.187	20
2-Chlorotoluene	0.0250	0.0241	0.0233	96.3	93.3	72.0-124			3.13	20
4-Chlorotoluene	0.0250	0.0240	0.0235	96.1	94.1	78.0-120			2.11	20
1,2-Dibromo-3-Chloropropane	0.0250	0.0227	0.0224	90.8	89.5	65.0-126			1.48	20
1,2-Dibromoethane	0.0250	0.0281	0.0275	113	110	78.0-122			2.19	20
Dibromomethane	0.0250	0.0238	0.0241	95.2	96.2	79.0-120			1.04	20
1,2-Dichlorobenzene	0.0250	0.0261	0.0262	104	105	80.0-120			0.511	20
1,3-Dichlorobenzene	0.0250	0.0262	0.0257	105	103	72.0-123			1.85	20
1,4-Dichlorobenzene	0.0250	0.0252	0.0254	101	102	77.0-120			0.620	20
trans-1,4-Dichloro-2-butene	0.0250	0.0217	0.0214	86.6	85.8	68.0-126			0.993	20
Dichlorodifluoromethane	0.0250	0.0223	0.0227	89.1	90.9	49.0-155			1.97	20
1,1-Dichloroethane	0.0250	0.0246	0.0246	98.4	98.2	70.0-128			0.195	20
1,2-Dichloroethane	0.0250	0.0248	0.0248	99.2	99.1	69.0-128			0.0861	20
1,1-Dichloroethene	0.0250	0.0222	0.0221	88.7	88.6	63.0-131			0.184	20
cis-1,2-Dichloroethene	0.0250	0.0239	0.0237	95.5	94.7	74.0-123			0.937	20
trans-1,2-Dichloroethene	0.0250	0.0228	0.0225	91.2	90.2	72.0-122			1.15	20
1,2-Dichloropropane	0.0250	0.0245	0.0238	97.9	95.1	75.0-126			2.91	20
1,1-Dichloropropene	0.0250	0.0252	0.0250	101	100	72.0-130			0.708	20
1,3-Dichloropropane	0.0250	0.0282	0.0270	113	108	80.0-121			4.55	20
cis-1,3-Dichloropropene	0.0250	0.0265	0.0254	106	102	80.0-125			4.26	20
trans-1,3-Dichloropropene	0.0250	0.0263	0.0255	105	102	75.0-129			3.34	20
2,2-Dichloropropane	0.0250	0.0208	0.0217	83.1	86.9	60.0-129			4.46	20
Di-isopropyl ether	0.0250	0.0202	0.0201	80.7	80.5	62.0-133			0.333	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3296387-1 03/23/18 21:02 • (LCSD) R3296387-2 03/23/18 21:22

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Ethylbenzene	0.0250	0.0260	0.0257	104	103	77.0-120			1.00	20
Hexachloro-1,3-butadiene	0.0250	0.0247	0.0255	98.8	102	68.0-128			3.15	20
2-Hexanone	0.125	0.124	0.121	99.4	96.5	61.0-143			2.98	20
n-Hexane	0.0250	0.0202	0.0196	80.7	78.3	57.0-125			3.01	20
Iodomethane	0.125	0.133	0.132	106	105	67.0-132			0.853	20
Isopropylbenzene	0.0250	0.0227	0.0221	90.7	88.5	75.0-120			2.49	20
p-Isopropyltoluene	0.0250	0.0251	0.0255	100	102	74.0-125			1.68	20
2-Butanone (MEK)	0.125	0.0834	0.0818	66.8	65.5	37.0-159			1.95	20
Methylene Chloride	0.0250	0.0243	0.0237	97.2	94.6	67.0-123			2.71	20
4-Methyl-2-pentanone (MIBK)	0.125	0.118	0.113	94.6	90.6	60.0-144			4.31	20
Methyl tert-butyl ether	0.0250	0.0241	0.0238	96.4	95.3	66.0-125			1.12	20
Naphthalene	0.0250	0.0254	0.0255	101	102	64.0-125			0.557	20
n-Propylbenzene	0.0250	0.0237	0.0236	94.6	94.3	78.0-120			0.279	20
Styrene	0.0250	0.0217	0.0221	86.9	88.4	78.0-124			1.70	20
1,1,1,2-Tetrachloroethane	0.0250	0.0250	0.0247	99.9	98.8	74.0-124			1.10	20
1,1,2,2-Tetrachloroethane	0.0250	0.0227	0.0225	90.8	89.8	73.0-120			1.05	20
Tetrachloroethene	0.0250	0.0282	0.0277	113	111	70.0-127			1.70	20
Toluene	0.0250	0.0257	0.0245	103	98.0	77.0-120			4.84	20
1,1,2-Trichlorotrifluoroethane	0.0250	0.0247	0.0235	98.8	94.1	64.0-135			4.94	20
1,2,3-Trichlorobenzene	0.0250	0.0283	0.0289	113	116	68.0-126			2.07	20
1,2,4-Trichlorobenzene	0.0250	0.0279	0.0276	112	110	70.0-127			1.05	20
1,1,1-Trichloroethane	0.0250	0.0218	0.0216	87.3	86.4	69.0-125			0.964	20
1,1,2-Trichloroethane	0.0250	0.0266	0.0267	107	107	78.0-120			0.328	20
Trichloroethene	0.0250	0.0275	0.0277	110	111	79.0-120			0.596	20
Trichlorofluoromethane	0.0250	0.0265	0.0265	106	106	59.0-136			0.0112	20
1,2,3-Trichloropropane	0.0250	0.0240	0.0236	96.1	94.4	73.0-124			1.76	20
1,2,3-Trimethylbenzene	0.0250	0.0258	0.0260	103	104	76.0-120			0.792	20
1,2,4-Trimethylbenzene	0.0250	0.0234	0.0235	93.7	94.0	75.0-120			0.353	20
1,3,5-Trimethylbenzene	0.0250	0.0239	0.0240	95.5	96.0	75.0-120			0.490	20
Vinyl acetate	0.125	0.0976	0.0952	78.1	76.1	58.0-156			2.51	20
Vinyl chloride	0.0250	0.0228	0.0223	91.4	89.4	63.0-134			2.24	20
Xylenes, Total	0.0750	0.0794	0.0772	106	103	77.0-120			2.81	20
(S) Toluene-d8				*109*	*108*	*80.0-120*				
(S) Dibromofluoromethane				*97.6*	*101*	*74.0-131*				
(S) 4-Bromofluorobenzene				*92.0*	*90.9*	*64.0-132*				

L979152-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L979152-01 03/24/18 05:59 • (MS) R3296387-4 03/24/18 07:38 • (MSD) R3296387-5 03/24/18 07:58

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acetone	0.134	U	6.78	5.54	50.7	41.4	100	10.0-160			20.1	36
Acrylonitrile	0.134	U	12.8	12.1	96.0	90.4	100	14.0-160			5.95	33
Benzene	0.0268	0.516	3.04	2.79	94.2	85.0	100	13.0-146			8.52	27
Bromobenzene	0.0268	U	2.83	2.68	106	100	100	10.0-149			5.56	33
Bromodichloromethane	0.0268	U	2.28	2.13	85.0	79.8	100	15.0-142			6.37	28
Bromochloromethane	0.0268	U	2.81	2.59	105	96.8	100	24.0-146			8.24	27
Bromoform	0.0268	U	1.76	1.72	66.0	64.1	100	10.0-147			2.83	31
Bromomethane	0.0268	U	1.63	1.52	60.9	57.0	100	10.0-160			6.62	32
n-Butylbenzene	0.0268	1.36	3.94	3.63	96.4	84.7	100	10.0-154			8.22	37
sec-Butylbenzene	0.0268	0.628	3.27	3.03	98.8	89.9	100	10.0-151			7.54	36
tert-Butylbenzene	0.0268	U	2.61	2.39	97.5	89.4	100	10.0-152			8.69	35
Carbon disulfide	0.0268	U	1.86	1.70	69.5	63.6	100	10.0-141			8.97	30
Carbon tetrachloride	0.0268	U	2.37	2.19	88.8	81.7	100	13.0-140			8.27	30
Chlorobenzene	0.0268	U	2.78	2.48	104	92.8	100	10.0-149			11.2	31
Chlorodibromomethane	0.0268	U	2.20	2.01	82.4	75.0	100	12.0-147			9.39	29
Chloroethane	0.0268	U	0.698	0.752	26.1	28.1	100	10.0-159			7.44	33
Chloroform	0.0268	U	2.51	2.33	93.8	87.0	100	18.0-148			7.51	28
Chloromethane	0.0268	U	2.34	2.05	87.5	76.6	100	10.0-146			13.3	29
2-Chlorotoluene	0.0268	U	3.51	3.33	131	124	100	10.0-151			5.40	35
4-Chlorotoluene	0.0268	U	2.43	2.31	90.8	86.5	100	10.0-150			4.86	35
1,2-Dibromo-3-Chloropropane	0.0268	U	2.20	2.14	82.2	80.2	100	10.0-149			2.55	34
1,2-Dibromoethane	0.0268	U	2.77	2.46	104	91.8	100	14.0-145			12.2	28
Dibromomethane	0.0268	U	2.42	2.28	90.4	85.3	100	18.0-144			5.77	27
1,2-Dichlorobenzene	0.0268	U	2.73	2.55	102	95.4	100	10.0-153			6.80	34
1,3-Dichlorobenzene	0.0268	U	2.69	2.56	101	95.8	100	10.0-150			4.92	35
1,4-Dichlorobenzene	0.0268	U	2.61	2.44	97.7	91.4	100	10.0-148			6.67	34
trans-1,4-Dichloro-2-butene	0.0268	U	2.08	2.05	77.7	76.7	100	10.0-160			1.27	40
Dichlorodifluoromethane	0.0268	U	3.08	2.82	115	105	100	10.0-160			8.76	30
1,1-Dichloroethane	0.0268	U	2.49	2.28	93.2	85.2	100	19.0-148			8.99	28
1,2-Dichloroethane	0.0268	U	2.45	2.32	91.4	86.8	100	17.0-147			5.22	27
1,1-Dichloroethene	0.0268	U	2.35	2.15	88.0	80.3	100	10.0-150			9.13	31
cis-1,2-Dichloroethene	0.0268	U	2.48	2.26	92.6	84.5	100	16.0-145			9.11	28
trans-1,2-Dichloroethene	0.0268	U	2.32	2.06	86.8	77.2	100	11.0-142			11.7	29
1,2-Dichloropropane	0.0268	U	2.45	2.34	91.5	87.5	100	17.0-148			4.51	28
1,1-Dichloropropene	0.0268	U	2.46	2.26	92.1	84.3	100	10.0-150			8.82	30
1,3-Dichloropropane	0.0268	U	2.64	2.38	98.8	89.1	100	16.0-148			10.4	27
cis-1,3-Dichloropropene	0.0268	U	2.43	2.18	90.8	81.5	100	13.0-150			10.8	28
trans-1,3-Dichloropropene	0.0268	U	2.46	2.20	92.0	82.4	100	10.0-152			11.0	29
2,2-Dichloropropane	0.0268	U	2.10	1.88	78.5	70.4	100	16.0-143			11.0	30

L979152-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L979152-01 03/24/18 05:59 • (MS) R3296387-4 03/24/18 07:38 • (MSD) R3296387-5 03/24/18 07:58

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Di-isopropyl ether	0.0268	U	2.05	1.90	76.5	70.9	100	16.0-149			7.54	28
Ethylbenzene	0.0268	9.19	12.6	11.4	126	84.0	100	10.0-147			9.42	31
Hexachloro-1,3-butadiene	0.0268	U	2.52	2.30	94.1	86.1	100	10.0-154			8.89	40
2-Hexanone	0.134	U	12.4	11.7	92.9	87.3	100	12.0-158			6.22	30
n-Hexane	0.0268	7.46	11.0	10.1	132	98.7	100	10.0-140			8.43	34
Iodomethane	0.134	U	13.4	12.2	100	91.4	100	10.0-157			9.29	34
Isopropylbenzene	0.0268	1.29	3.84	3.64	95.5	87.9	100	10.0-147			5.43	33
p-Isopropyltoluene	0.0268	0.326	2.98	2.74	99.0	90.1	100	10.0-156			8.39	37
2-Butanone (MEK)	0.134	U	14.2	13.3	106	99.6	100	10.0-160			6.20	33
Methylene Chloride	0.0268	U	2.39	2.20	89.2	82.3	100	16.0-139			8.03	29
4-Methyl-2-pentanone (MIBK)	0.134	U	12.7	11.7	95.3	87.5	100	12.0-160			8.46	32
Methyl tert-butyl ether	0.0268	U	2.56	2.43	95.6	90.7	100	21.0-145			5.25	29
Naphthalene	0.0268	5.55	8.60	8.62	114	114	100	10.0-153			0.184	36
n-Propylbenzene	0.0268	4.95	8.05	7.68	116	102	100	10.0-151			4.65	34
Styrene	0.0268	U	2.45	2.29	91.7	85.5	100	10.0-155			6.96	34
1,1,1,2-Tetrachloroethane	0.0268	U	2.43	2.15	90.7	80.3	100	10.0-147			12.1	30
1,1,2,2-Tetrachloroethane	0.0268	U	2.32	2.23	86.9	83.5	100	10.0-155			3.95	31
Tetrachloroethene	0.0268	U	2.82	2.45	106	91.5	100	10.0-144			14.2	32
Toluene	0.0268	0.572	3.15	2.84	96.3	84.9	100	10.0-144			10.2	28
1,1,2-Trichlorotrifluoroethane	0.0268	U	2.39	2.14	89.4	80.0	100	10.0-153			11.1	33
1,2,3-Trichlorobenzene	0.0268	U	3.06	2.93	115	110	100	10.0-153			4.40	40
1,2,4-Trichlorobenzene	0.0268	U	2.91	2.74	109	102	100	10.0-156			6.11	40
1,1,1-Trichloroethane	0.0268	U	2.33	2.12	87.0	79.2	100	18.0-145			9.34	29
1,1,2-Trichloroethane	0.0268	U	3.17	2.82	118	106	100	12.0-151			11.5	28
Trichloroethene	0.0268	U	2.76	2.56	103	95.7	100	11.0-148			7.38	29
Trichlorofluoromethane	0.0268	U	2.32	2.05	86.7	76.5	100	10.0-157			12.5	34
1,2,3-Trichloropropane	0.0268	U	2.35	2.24	88.0	83.6	100	10.0-154			5.09	32
1,2,3-Trimethylbenzene	0.0268	7.46	10.8	10.4	123	110	100	10.0-150			3.23	33
1,2,4-Trimethylbenzene	0.0268	31.8	37.6	36.3	220	170	100	10.0-151	E V	E V	3.57	34
1,3,5-Trimethylbenzene	0.0268	9.50	13.1	12.5	133	111	100	10.0-150			4.64	33
Vinyl acetate	0.134	U	4.84	4.78	36.2	35.7	100	10.0-160			1.29	40
Vinyl chloride	0.0268	U	2.77	2.43	103	91.0	100	10.0-150			12.8	29
Xylenes, Total	0.0803	39.0	50.3	46.0	141	88.1	100	10.0-150	E V	E	8.86	31
(S) Toluene-d8					*106*	*100*		*80.0-120*				
(S) Dibromofluoromethane					*96.8*	*95.8*		*74.0-131*				
(S) 4-Bromofluorobenzene					*95.2*	*94.9*		*64.0-132*				

Method Blank (MB)

(MB) R3296950-1 03/27/18 11:20

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acetone	U		0.0100	0.0500
Acrylonitrile	U		0.00179	0.0100
Benzene	U		0.000270	0.00100
Bromobenzene	U		0.000284	0.00100
Bromodichloromethane	U		0.000254	0.00100
Bromochloromethane	U		0.000390	0.00500
Bromoform	U		0.000424	0.00100
Bromomethane	U		0.00134	0.00500
n-Butylbenzene	U		0.000258	0.00100
sec-Butylbenzene	U		0.000201	0.00100
tert-Butylbenzene	U		0.000206	0.00100
Carbon disulfide	U		0.000221	0.00100
Carbon tetrachloride	U		0.000328	0.00100
Chlorobenzene	U		0.000212	0.00100
Chlorodibromomethane	U		0.000373	0.00100
Chloroethane	U		0.000946	0.00500
Chloroform	U		0.000229	0.00500
Chloromethane	U		0.000375	0.00250
2-Chlorotoluene	U		0.000301	0.00100
4-Chlorotoluene	U		0.000240	0.00100
1,2-Dibromo-3-Chloropropane	U		0.00105	0.00500
1,2-Dibromoethane	U		0.000343	0.00100
Dibromomethane	U		0.000382	0.00100
1,2-Dichlorobenzene	U		0.000305	0.00100
1,3-Dichlorobenzene	U		0.000239	0.00100
1,4-Dichlorobenzene	U		0.000226	0.00100
trans-1,4-Dichloro-2-butene	U		0.000778	0.00250
Dichlorodifluoromethane	U		0.000713	0.00500
1,1-Dichloroethane	U		0.000199	0.00100
1,2-Dichloroethane	U		0.000265	0.00100
1,1-Dichloroethene	U		0.000303	0.00100
cis-1,2-Dichloroethene	U		0.000235	0.00100
trans-1,2-Dichloroethene	U		0.000264	0.00100
1,2-Dichloropropane	U		0.000358	0.00100
1,1-Dichloropropene	U		0.000317	0.00100
1,3-Dichloropropane	U		0.000207	0.00100
cis-1,3-Dichloropropene	U		0.000262	0.00100
trans-1,3-Dichloropropene	U		0.000267	0.00100
2,2-Dichloropropane	U		0.000279	0.00100
Di-isopropyl ether	U		0.000248	0.00100

Method Blank (MB)

(MB) R3296950-1 03/27/18 11:20

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/kg		mg/kg	mg/kg
Ethylbenzene	U		0.000297	0.00100
2-Hexanone	U		0.00137	0.0100
n-Hexane	U		0.000290	0.0100
Hexachloro-1,3-butadiene	U		0.000342	0.00100
Iodomethane	U		0.00253	0.0100
Isopropylbenzene	U		0.000243	0.00100
p-Isopropyltoluene	U		0.000204	0.00100
2-Butanone (MEK)	U		0.00468	0.0100
Methylene Chloride	U		0.00100	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.00188	0.0100
Methyl tert-butyl ether	U		0.000212	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.000206	0.00100
Styrene	U		0.000234	0.00100
1,1,1,2-Tetrachloroethane	U		0.000264	0.00100
1,1,2,2-Tetrachloroethane	U		0.000365	0.00100
Tetrachloroethene	U		0.000276	0.00100
Toluene	U		0.000434	0.00500
1,1,2-Trichlorotrifluoroethane	U		0.000365	0.00100
1,2,3-Trichlorobenzene	U		0.000306	0.00100
1,2,4-Trichlorobenzene	U		0.000388	0.00100
1,1,1-Trichloroethane	U		0.000286	0.00100
1,1,2-Trichloroethane	U		0.000277	0.00100
Trichloroethene	U		0.000279	0.00100
Trichlorofluoromethane	U		0.000382	0.00500
Vinyl acetate	U		0.00239	0.0100
1,2,3-Trichloropropane	U		0.000741	0.00250
1,2,3-Trimethylbenzene	U		0.000287	0.00100
1,2,4-Trimethylbenzene	U		0.000211	0.00100
1,3,5-Trimethylbenzene	U		0.000266	0.00100
Vinyl chloride	U		0.000291	0.00100
Xylenes, Total	U		0.000698	0.00300
(S) Toluene-d8	*112*			*80.0-120*
(S) Dibromofluoromethane	*104*			*74.0-131*
(S) 4-Bromofluorobenzene	*107*			*64.0-132*

Laboratory Control Sample (LCS)

(LCS) R3296950-2 03/27/18 12:01

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	0.125	0.108	86.3	11.0-160	
Bromochloromethane	0.0250	0.0280	112	80.0-121	
Acrylonitrile	0.125	0.121	97.1	61.0-143	
Benzene	0.0250	0.0241	96.3	71.0-124	
Bromobenzene	0.0250	0.0250	100	78.0-120	
Bromodichloromethane	0.0250	0.0220	88.1	75.0-120	
Bromoform	0.0250	0.0241	96.5	65.0-133	
Carbon disulfide	0.0250	0.0250	100	53.0-130	
Bromomethane	0.0250	0.0266	106	26.0-160	
n-Butylbenzene	0.0250	0.0252	101	73.0-126	
sec-Butylbenzene	0.0250	0.0231	92.6	75.0-121	
tert-Butylbenzene	0.0250	0.0237	94.8	74.0-122	
Carbon tetrachloride	0.0250	0.0220	88.1	66.0-123	
Chlorobenzene	0.0250	0.0259	103	79.0-121	
Chlorodibromomethane	0.0250	0.0249	99.7	74.0-128	
Chloroethane	0.0250	0.0267	107	51.0-147	
Chloroform	0.0250	0.0250	99.8	73.0-123	
Chloromethane	0.0250	0.0241	96.6	51.0-138	
2-Chlorotoluene	0.0250	0.0264	106	72.0-124	
4-Chlorotoluene	0.0250	0.0253	101	78.0-120	
1,2-Dibromo-3-Chloropropane	0.0250	0.0186	74.5	65.0-126	
trans-1,4-Dichloro-2-butene	0.0250	0.0223	89.1	68.0-126	
1,2-Dibromoethane	0.0250	0.0236	94.3	78.0-122	
Dibromomethane	0.0250	0.0268	107	79.0-120	
1,2-Dichlorobenzene	0.0250	0.0279	112	80.0-120	
1,3-Dichlorobenzene	0.0250	0.0273	109	72.0-123	
1,4-Dichlorobenzene	0.0250	0.0266	106	77.0-120	
Dichlorodifluoromethane	0.0250	0.0199	79.7	49.0-155	
1,1-Dichloroethane	0.0250	0.0245	98.2	70.0-128	
1,2-Dichloroethane	0.0250	0.0281	112	69.0-128	
1,1-Dichloroethene	0.0250	0.0243	97.4	63.0-131	
cis-1,2-Dichloroethene	0.0250	0.0261	104	74.0-123	
trans-1,2-Dichloroethene	0.0250	0.0250	99.8	72.0-122	
1,2-Dichloropropane	0.0250	0.0249	99.6	75.0-126	
1,1-Dichloropropene	0.0250	0.0242	96.9	72.0-130	
1,3-Dichloropropane	0.0250	0.0273	109	80.0-121	
cis-1,3-Dichloropropene	0.0250	0.0261	104	80.0-125	
trans-1,3-Dichloropropene	0.0250	0.0254	102	75.0-129	
2,2-Dichloropropane	0.0250	0.0243	97.1	60.0-129	
2-Hexanone	0.125	0.0922	73.8	61.0-143	

Laboratory Control Sample (LCS)

(LCS) R3296950-2 03/27/18 12:01

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Di-isopropyl ether	0.0250	0.0283	113	62.0-133	
n-Hexane	0.0250	0.0207	82.8	57.0-125	
Ethylbenzene	0.0250	0.0228	91.1	77.0-120	
Iodomethane	0.125	0.147	118	67.0-132	
Hexachloro-1,3-butadiene	0.0250	0.0233	93.2	68.0-128	
Isopropylbenzene	0.0250	0.0220	87.9	75.0-120	
p-Isopropyltoluene	0.0250	0.0252	101	74.0-125	
2-Butanone (MEK)	0.125	0.116	93.0	37.0-159	
Methylene Chloride	0.0250	0.0248	99.2	67.0-123	
4-Methyl-2-pentanone (MIBK)	0.125	0.111	88.6	60.0-144	
Methyl tert-butyl ether	0.0250	0.0260	104	66.0-125	
Naphthalene	0.0250	0.0230	92.2	64.0-125	
n-Propylbenzene	0.0250	0.0244	97.6	78.0-120	
Styrene	0.0250	0.0232	92.8	78.0-124	
1,1,1,2-Tetrachloroethane	0.0250	0.0249	99.5	74.0-124	
1,1,2,2-Tetrachloroethane	0.0250	0.0236	94.3	73.0-120	
Tetrachloroethene	0.0250	0.0193	77.4	70.0-127	
Toluene	0.0250	0.0221	88.3	77.0-120	
1,1,2-Trichlorotrifluoroethane	0.0250	0.0277	111	64.0-135	
1,2,3-Trichlorobenzene	0.0250	0.0303	121	68.0-126	
1,2,4-Trichlorobenzene	0.0250	0.0299	120	70.0-127	
1,1,1-Trichloroethane	0.0250	0.0239	95.6	69.0-125	
1,1,2-Trichloroethane	0.0250	0.0239	95.7	78.0-120	
Trichloroethene	0.0250	0.0243	97.1	79.0-120	
Trichlorofluoromethane	0.0250	0.0111	44.4	59.0-136	J4
1,2,3-Trichloropropane	0.0250	0.0227	90.9	73.0-124	
1,2,3-Trimethylbenzene	0.0250	0.0262	105	76.0-120	
Vinyl acetate	0.125	0.213	170	58.0-156	J4
1,2,4-Trimethylbenzene	0.0250	0.0246	98.2	75.0-120	
1,3,5-Trimethylbenzene	0.0250	0.0245	98.1	75.0-120	
Vinyl chloride	0.0250	0.0202	80.9	63.0-134	
Xylenes, Total	0.0750	0.0674	89.9	77.0-120	
(S) Toluene-d8			*108*	*80.0-120*	
(S) Dibromofluoromethane			*103*	*74.0-131*	
(S) 4-Bromofluorobenzene			*102*	*64.0-132*	

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Abbreviations and Definitions

(dry)	Results are reported based on the dry weight of the sample. [this will only be present on a dry report basis for soils].
MDL	Method Detection Limit.
MDL (dry)	Method Detection Limit.
RDL	Reported Detection Limit.
RDL (dry)	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state "ND" (Not Detected) or "BDL" (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
B	The same analyte is found in the associated blank.
E	The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL).
J	The identification of the analyte is acceptable; the reported value is an estimate.
J0	J0: Calibration verification outside of acceptance limits. Result is estimated.
J3	The associated batch QC was outside the established quality control range for precision.
J4	The associated batch QC was outside the established quality control range for accuracy.
V	The sample concentration is too high to evaluate accurate spike recoveries.

ACCREDITATIONS & LOCATIONS

ESC Lab Sciences is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our one location design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be YOUR LAB OF CHOICE.
* Not all certifications held by the laboratory are applicable to the results reported in the attached report.
* Accreditation is only applicable to the test methods specified on each scope of accreditation held by ESC Lab Sciences.

State Accreditations

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN-03-2002-34
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	n/a
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO00356
Kentucky [1,6]	90010	South Carolina	84004
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1,4]	2006
Louisiana [1]	LA180010	Texas	T 104704245-17-14
Maine	TN0002	Texas [5]	LAB0152
Maryland	324	Utah	TN00003
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	460132
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	9980939910
Montana	CERT0086	Wyoming	A2LA

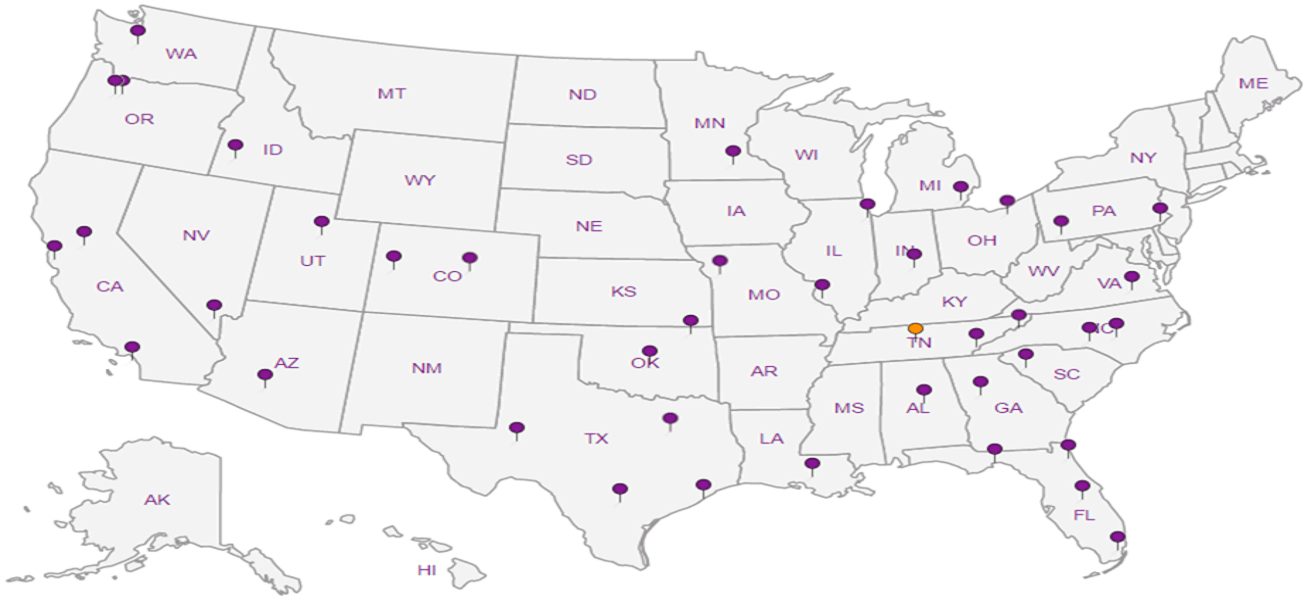
Third Party Federal Accreditations

A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

Our Locations

ESC Lab Sciences has sixty-four client support centers that provide sample pickup and/or the delivery of sampling supplies. If you would like assistance from one of our support offices, please contact our main office. ESC Lab Sciences performs all testing at our central laboratory.



PES Environmental, Inc.- WA

1215 Fourth Ave., Suite 1350
Seattle, WA 98161

Billing Information:
Attn: Accounts Payable
1215 Fourth Ave., Ste. 1350
Seattle, WA 98161

Pres Chk

Chain of Custody Page 1 of 1

ESC
LAB SCIENCES

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

Report to: Bill Haldeman / Brian ONeal

Email To: bhaldeman@pesenv.com
BONEAL@pesenv.com

Project Description: American Linen Supply Project

City/State Collected: SEATTLE WA

Phone: 206-529-3980
Fax: 206-529-3985

Client Project # 1413.001.05.304

Lab Project # PESENVSWA-ALP

L# 979219

G005

Collected by (print): Rachel McLaughlin

Site/Facility ID #

P.O. #

Acctnum: PESENVSWA
Template: T133573
Prelogin: P643474
TSR: 110 - Brian Ford
PB:
Shipped Via:

Collected by (signature): R.T. McLaughlin

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Immediately Packed on Ice [✓ N] Y ___

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260C VOCs 40ml/NaHS04/Syr/MeOH	dry wt,voc screen 2ozClr-NoPres	TPH-G	Remarks	Sample # (lab only)
IW-7A-5	Grab	SS	5	3-16-18	850	5	X	X	X		-01
IW-7A-10		SS	10		0900	5	X	X			-02
IW-7A-15		SS	15		0910	5	X	X			-03
IW-7A-20		SS	20		0925	5	X	X			-04
IW-7A-25		SS	25		0940	4 ~~5~~	X	X		1 NaHSO3 * broke	-05
IW-7A-30		SS	30		0950	5	X	X			-06
IW-7A-35		SS	35		1000	5	X	X			-07
IW-7A-40		SS	40		1010	5	X	X			-08
IW-7A-45		SS	45		1020	5	X	X			-09
IW-7A-50	X	SS	50	X	1035	4 ~~5~~ RH	X	X	X		10

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other________

Remarks: Samples 10, 20, 35 had leaking NaHSO3 bottles – wiped off & bagged in ziplocs.

pH ______ Temp ______
Flow ______ Other ______

Samples returned via:
__ UPS [✓ FedEx] __ Courier ______

Tracking # 4269 9212 5334

Sample Receipt Checklist
COC Seal Present/Intact: __NP __Y __N
COC Signed/Accurate: X Y __N
Bottles arrive intact: __Y X N
Correct bottles used: X Y __N
Sufficient volume sent: X Y __N
If Applicable
VOA Zero Headspace: __Y __N
Preservation Correct/Checked: __Y __N

Relinquished by : (Signature) R.T. McLaughlin
Date: 3/20/18
Time: 1145
Received by: (Signature)
Trip Blank Received: Yes / [✓ No]
HCL / MeoH
TBR

Relinquished by : (Signature)
Date:
Time:
Received by: (Signature)
Temp: 1.6 °C
Bottles Received: 48
If preservation required by Login: Date/Time

Relinquished by : (Signature)
Date:
Time:
Received for lab by: (Signature)
Date: 3/21/18
Time: 0845
Hold:
Condition: [✓ NCF] / OK

ESC Lab Sciences
Non-Conformance Form

Login #:979219	**Client:PESENVSWA**	**Date:03/21/18**	**Evaluated by: Matthew Lockhart**

Non-Conformance (check applicable items)

	Sample Integrity		Chain of Custody Clarification		
	Parameter(s) past holding time		Login Clarification Needed		**If Broken Container:**
	Improper temperature		Chain of custody is incomplete		Insufficient packing material around container
	Improper container type		Please specify Metals requested.		Insufficient packing material inside cooler
	Improper preservation		Please specify TCLP requested.	x	Improper handling by carrier (FedEx / UPS / Couri
	Insufficient sample volume.		Received additional samples not listed on coc.		Sample was frozen
	Sample is biphasic.		Sample ids on containers do not match ids on coc		Container lid not intact
	Vials received with headspace.		Trip Blank not received.		**If no Chain of Custody:**
x	Broken container		Client did not "X" analysis.		Received by:
	Broken container:		Chain of Custody is missing		Date/Time:
	Sufficient sample remains				Temp./Cont. Rec./pH:
					Carrier:
					Tracking#

Login Comments:Received (1) broken Sodium-bisulfate stir bar for IW-7A-50.

Client informed by:		Call		Email	x	Voice Mail	Date:03/21/18	Time:1530
TSR Initials:bjf	Client Contact: Bill Haldeman							

Login Instructions:

Proceed with remaining sample containers for IW-7A-50.

For samples IW-7A-10, IW-7A-20, and IW-7A-35; please dispose of the stir bar (sodium bisulfite) containers due to potential leakage of VOCs. Use the MeOH containers and log for V8260LLJM.

MEMORANDUM

TO: Project File **DATE:** April 19, 2018

FROM: Jessie Compeau

SUBJECT: Laboratory Data Validation Review

PROJECT: Former American Linen Supply Site, Seattle WA

PROJECT #: 1413.001.05.304

TASK: March 16, 2018 – Soil Samples

LAB: ESC Lab ID L979219

Ten (10) soil samples were collected as part of a sampling event at the Former American Linen Supply Site, in Seattle, Washington, on March 16, 2018. The samples were shipped and delivered to ESC Lab Sciences (ESC) of Mount Juliet, TN for laboratory analysis. Selected samples were analyzed for the following:

- Volatile organic compounds (VOCs) by United States Environmental Protection Agency (USEPA) Method 8260C;
- Total petroleum hydrocarbons as gasoline range organics (TPH-Gx) by NWTPH-Gx per analytical methods stipulated by Washington State Department of Ecology; and
- Total Solids by Standard Methods 2540 G-2011.

The results are reported in ESC Sample Delivery Group (SDG) L979219. The sampling event occurred between March 2 and March 27 of 2018. Associated sample data are reported in ten ESC SDGs (SDGs L975879, L977245, L977743, L979219, L979234, L980300, L980719, L980722, L980954, and L980958). The quality assurance review of the sample data associated with SDG L979219 is summarized below.

DATA QUALIFICATIONS

Guidelines established by USEPA for a limited data validation review of analytical data along with ESC control limit criteria were used to validate the data. The comments presented in this memorandum refer to the laboratory's performance in meeting the quality control criteria outlined in the USEPA Contract Laboratory Program National Functional Guidelines for Organic Superfund Methods Data Review (USEPA, 2017).

DATA VALIDATION

Completeness

All samples were collected and analyzed as requested.

Sample Collection and Preservation

Samples were collected in laboratory-supplied sample containers preserved as appropriate for the individual analyses conducted. The samples were packed on ice and shipped by courier to ESC. The laboratory reported that the cooler and samples were received at 1.6 degrees Centigrade (°C) and below the recommended temperature preservation of 6°C. The laboratory indicated that the samples were received in good condition with the following exceptions:

- Review of ESC Lab Sciences Non-Conformance Form shows that sample IW-7A-50 was received with a broken container (vial with sodium bisulfate and stir bar). PES confirmed that ESC should proceed with analysis using the remaining sample containers. No action is taken other than to note this.

- Review of ESC Lab Sciences Non-Conformance Form shows that stir bar containers (vials with sodium bisulfite) for samples IW-7A-10, IW-7A-20, and IW-7A-35 were disposed of due to courier handling issues during shipment and potential leakage of VOCs. ESC proceeded with analysis using methanol containers for analyses. No action is taken other than to note this.

No data were qualified based upon the sample collection and preservation information.

Holding Times

USEPA Method 8260C:
All samples were analyzed for VOCs within the USEPA recommended holding time of fourteen days for soils from the date of sample collection. All holding time criteria were met.

NWTPH-Gx Method:
All samples were analyzed within the WA State recommended holding time of fourteen days for soils from the date of sample collection. All holding time criteria were met.

Total Solids by SM 2540 G 2011:
Samples were not analyzed within the USEPA recommended holding time of seven days for total solids. All soil samples were analyzed four days past the recommended holding time. No action is taken since % solids results are not expected to be significantly changed thus final reported results are not significantly impacted.

Initial and Continuing Calibration

Calibration data for this project are not required for this deliverable however ESC's notes indicate the following:

- *USEPA Method 8260C:* Continuing calibration verification (CCV) issues were noted by ESC for acetone, bromoform, carbon disulfide, 2-butanone (MEK) and vinyl acetate associated with soil analytical batch WG1088867 (analyzed on March 24, 2018). These results are qualified by the laboratory "J0" to indicate that percent difference CCVs are outside of laboratory acceptance criteria. **Associated samples with laboratory qualified (J0) results are estimated and qualified (J/UJ).**

- *USEPA Method 8260C:* Continuing calibration verification (CCV) issues were noted by ESC for 1,2-dibromo-3-chloropropane and 2-hexanone associated with soil analytical batch WG1089430 (analyzed on March 27, 2018). These results are qualified by the laboratory "J0" to indicate that percent difference CCVs are outside of laboratory acceptance criteria. **Associated sample with laboratory qualified (J0) results are estimated and qualified (J/UJ).**

Method Blank Results

USEPA Method 8260C:
Laboratory method blanks were included with the analytical batch per method requirement. The target analytes (VOCs) were not detected in the method blanks at or above the reported detection limits (RDLs) with the following exceptions:

- Analytical batch WG1088333: Compounds 1,4-dichlorobenzene, 1,2,4-trichlorobenzene, and 1,2,4-trimethylbenzene were detected in the method blank at low levels below the RDL. For compounds 1,4-dichlorobenzene and 1,2,4-trichlorobenzene no action was necessary as these compounds were not detected in the associated samples. Compound 1,2,4-trimethylbenzene was detected in samples IW-7A-10, IW-7A-20, and IW-7A-35 but no action was taken since these results are greater than the RDL.

- Analytical batch WG1088867: Compound 1,2,3-trichlorobenzene was detected in the method blank at a low level below the RDL. No action was necessary as this compound was not detected in the associated samples.

NWTPH-Gx Method:
A laboratory method blank was included with the analytical batch per method requirement. The target analyte (gasoline) was not detected in the method blank at or above the RDL.

Total Solids by SM 2540 G 2011:
Laboratory method blanks were included with the analytical batches per method requirement. The target analytes (% solids) were not detected at a significant level in the method blanks and sample results are not impacted.

Trip Blank Results

USEPA Method 8260C (VOCs) and NWTPH-Gx:
A trip blank was not collected.

Field, Rinsate, or Equipment Blank Results

Field, rinsate, or equipment blanks were not collected.

Field Duplicate Analyses

Field duplicate samples were not collected.

Laboratory Duplicate Analyses

USEPA Method 8260C:
A laboratory duplicate sample was not analyzed. Refer to laboratory control sample/sample duplicate (LCS/LCSD) or matrix spike/matrix spike duplicates (MS/MSDs) results for precision data.

NWTPH-Gx Method:
A laboratory duplicate sample was not analyzed. Refer to LCS/LCSD or MS/MSD results for precision data.

Total Solids by SM 2540 G 2011:
Laboratory duplicate sample analyses were performed on client sample IW-7A-45 and on a non-client sample within the analytical batch. The primary/duplicate RPDs for total solids analyses are within the laboratory control limit of 5%.

Surrogate Recoveries

USEPA Method 8260C:
The surrogate recovery results for the samples, LCS/LCSDs, MS/MSD, and the method blanks are within the laboratory surrogate control limits for all of the analyses.

NWTPH-Gx Method:
The surrogate recovery results for the samples, LCS/LCSD, MS/MSD, and the method blank are within the laboratory surrogate control limits for all of the analyses.

Laboratory Control Samples

USEPA Method 8260C:
LCS/LCSD was analyzed by USEPA Method 8260C method. The LCS/LCSD %Rs and RPDs for the all target compounds are within the laboratory control criteria for soils with the following exceptions:

- Analytical batch WG1089430: LCS recovery for spike compound trichlorofluoromethane is low, slightly below laboratory control limit criteria and laboratory qualified (J4). **Associated sample result (IW-7A-50) for trichlorofluoromethane is estimated and qualified (J/UJ) due to low recovery.** Recovery for spike compound vinyl acetate is high, above control limit criteria, and laboratory qualified (J4). No action was taken on this basis since vinyl acetate was not detected in the associated sample.

- Analytical batch WG1088333: LCS or LCSD recoveries for spike compounds 1,2,4-trichlorobenzene and trichlorofluoromethane were slightly below laboratory acceptance criteria and qualified by the laboratory (J4). Trichlorofluoromethane RPD is elevated and qualified by the laboratory (J3) due to acceptable but wide spike recoveries. No action is taken in these cases since either LCS or LCSD percent recoveries were within criteria.

NWTPH-Gx Method:
LCS/LCSDs were analyzed by the NWTPH-Gx method. The LCS/LCSD %R and RPD for the control analyte (gasoline) is within the laboratory control criteria for soils.

Total Solids by SM 2540 G 2011:
The LCS %Rs for total solids are within the laboratory control criteria for soils.

Matrix Spike/Matrix Spike Duplicates

USEPA Method 8260C:
Matrix spike/matrix spike duplicate (MS/MSD) analyses was performed on a non-client sample associated with one of the analytical batches. For the remaining analytical batches refer to LCS/LCSD results for precision and accuracy data associated with soils. MS/MSD % Rs and RPDs are acceptable and within laboratory criteria for soil samples with the following exceptions:

- Analytical batch WG1088867: MS/MSD recoveries for 1,2,4-trimethylbenzene and total xylenes are outside of control limit criteria and laboratory qualified (E or EV) to indicate that sample amounts are exceed the initial calibration range and sample amounts are greater than the spike amounts. No action is required on this basis since the spike was performed on a non-client sample.

NWTPH-Gx Method:
Matrix spike analysis was not performed on a non-client sample within the analytical bathc. The MS/MSD % Rs and RPD is acceptable and within laboratory control limit criteria for soil samples with the following exception:

- Analytical batch WG1087938: MS/MSD RPD value for gasoline is above the laboratory acceptance limit and is laboratory qualified (J3). No action is taken on this basis since both recoveries are within criteria. In addition the spike was performed on a non-client sample and the associated LCS/LCSD RPD is within control limit criteria.

Other Quality Control Issues

No laboratory quality control issues were identified in the laboratory report.

Compound Identification and Quantitation Limits

The RDLs used for this sample group are acceptable for the project. Several samples were diluted due to elevated concentrations of various target analytes. ESC sample narrative notes indicate that soil sample IW-7A-15 both *non-target* and target compounds were too high to run the sample at a lower dilution.

Detections between the MDL and RDL are estimated (J) by the laboratory and qualified (J) by the data validator to re-emphasize that the detection is estimated.

Data Assessment

The laboratory data reported for this project were reviewed based on laboratory control limit acceptance criteria and criteria outlined in:

- USEPA Contract Laboratory Program National Functional Guidelines for Organic Superfund Methods Data Review (USEPA, 2017).

Data qualifiers were assigned and laboratory report pages with qualifiers are attached. All data, including qualified data, are judged to be acceptable for their intended use.

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	80.7		1	03/27/2018 14:50	WG1089688

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	0.799		0.0420	0.124	1	03/22/2018 20:28	WG1087938
(S) a,a,a-Trifluorotoluene(FID)	*92.9*			*77.0-120*		*03/22/2018 20:28*	WG1087938

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U UJ	J0	0.0124	0.0620	1	03/24/2018 01:44	WG1088867
Acrylonitrile	U		0.00222	0.0124	1	03/24/2018 01:44	WG1088867
Benzene	0.0122		0.000335	0.00124	1	03/24/2018 01:44	WG1088867
Bromobenzene	U		0.000352	0.00124	1	03/24/2018 01:44	WG1088867
Bromodichloromethane	U		0.000315	0.00124	1	03/24/2018 01:44	WG1088867
Bromochloromethane	U		0.000483	0.00620	1	03/24/2018 01:44	WG1088867
Bromoform	U UJ	J0	0.000525	0.00124	1	03/24/2018 01:44	WG1088867
Bromomethane	U		0.00166	0.00620	1	03/24/2018 01:44	WG1088867
n-Butylbenzene	U		0.000320	0.00124	1	03/24/2018 01:44	WG1088867
sec-Butylbenzene	U		0.000249	0.00124	1	03/24/2018 01:44	WG1088867
tert-Butylbenzene	U		0.000255	0.00124	1	03/24/2018 01:44	WG1088867
Carbon disulfide	U UJ	J0	0.000274	0.00124	1	03/24/2018 01:44	WG1088867
Carbon tetrachloride	U		0.000406	0.00124	1	03/24/2018 01:44	WG1088867
Chlorobenzene	U		0.000263	0.00124	1	03/24/2018 01:44	WG1088867
Chlorodibromomethane	U		0.000462	0.00124	1	03/24/2018 01:44	WG1088867
Chloroethane	U		0.00117	0.00620	1	03/24/2018 01:44	WG1088867
Chloroform	U		0.000284	0.00620	1	03/24/2018 01:44	WG1088867
Chloromethane	U		0.000465	0.00310	1	03/24/2018 01:44	WG1088867
2-Chlorotoluene	U		0.000373	0.00124	1	03/24/2018 01:44	WG1088867
4-Chlorotoluene	U		0.000297	0.00124	1	03/24/2018 01:44	WG1088867
1,2-Dibromo-3-Chloropropane	U		0.00130	0.00620	1	03/24/2018 01:44	WG1088867
1,2-Dibromoethane	U		0.000425	0.00124	1	03/24/2018 01:44	WG1088867
Dibromomethane	U		0.000473	0.00124	1	03/24/2018 01:44	WG1088867
1,2-Dichlorobenzene	U		0.000378	0.00124	1	03/24/2018 01:44	WG1088867
1,3-Dichlorobenzene	U		0.000296	0.00124	1	03/24/2018 01:44	WG1088867
1,4-Dichlorobenzene	U		0.000280	0.00124	1	03/24/2018 01:44	WG1088867
Dichlorodifluoromethane	U		0.000884	0.00620	1	03/24/2018 01:44	WG1088867
1,1-Dichloroethane	U		0.000247	0.00124	1	03/24/2018 01:44	WG1088867
1,2-Dichloroethane	U		0.000328	0.00124	1	03/24/2018 01:44	WG1088867
1,1-Dichloroethene	U		0.000375	0.00124	1	03/24/2018 01:44	WG1088867
cis-1,2-Dichloroethene	0.00829		0.000291	0.00124	1	03/24/2018 01:44	WG1088867
trans-1,2-Dichloroethene	U		0.000327	0.00124	1	03/24/2018 01:44	WG1088867
1,2-Dichloropropane	U		0.000444	0.00124	1	03/24/2018 01:44	WG1088867
1,1-Dichloropropene	U		0.000393	0.00124	1	03/24/2018 01:44	WG1088867
1,3-Dichloropropane	U		0.000257	0.00124	1	03/24/2018 01:44	WG1088867
cis-1,3-Dichloropropene	U		0.000325	0.00124	1	03/24/2018 01:44	WG1088867
trans-1,3-Dichloropropene	U		0.000331	0.00124	1	03/24/2018 01:44	WG1088867
trans-1,4-Dichloro-2-butene	U		0.000964	0.00310	1	03/24/2018 01:44	WG1088867
2,2-Dichloropropane	U		0.000346	0.00124	1	03/24/2018 01:44	WG1088867
Di-isopropyl ether	U		0.000307	0.00124	1	03/24/2018 01:44	WG1088867
Ethylbenzene	0.00221		0.000368	0.00124	1	03/24/2018 01:44	WG1088867
Hexachloro-1,3-butadiene	U		0.000424	0.00124	1	03/24/2018 01:44	WG1088867
2-Hexanone	U		0.00170	0.0124	1	03/24/2018 01:44	WG1088867
n-Hexane	0.00194 J	J	0.000359	0.0124	1	03/24/2018 01:44	WG1088867

JC 4/18/18

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Iodomethane	U		0.00314	0.0124	1	03/24/2018 01:44	WG1088867
Isopropylbenzene	U		0.000301	0.00124	1	03/24/2018 01:44	WG1088867
p-Isopropyltoluene	U		0.000253	0.00124	1	03/24/2018 01:44	WG1088867
2-Butanone (MEK)	U	UJ J0	0.00580	0.0124	1	03/24/2018 01:44	WG1088867
Methylene Chloride	U		0.00124	0.00620	1	03/24/2018 01:44	WG1088867
4-Methyl-2-pentanone (MIBK)	U		0.00233	0.0124	1	03/24/2018 01:44	WG1088867
Methyl tert-butyl ether	U		0.000263	0.00124	1	03/24/2018 01:44	WG1088867
Naphthalene	U		0.00124	0.00620	1	03/24/2018 01:44	WG1088867
n-Propylbenzene	0.000313	J J	0.000255	0.00124	1	03/24/2018 01:44	WG1088867
Styrene	U		0.000290	0.00124	1	03/24/2018 01:44	WG1088867
1,1,1,2-Tetrachloroethane	U		0.000327	0.00124	1	03/24/2018 01:44	WG1088867
1,1,2,2-Tetrachloroethane	U		0.000452	0.00124	1	03/24/2018 01:44	WG1088867
1,1,2-Trichlorotrifluoroethane	U		0.000452	0.00124	1	03/24/2018 01:44	WG1088867
Tetrachloroethene	0.00171		0.000342	0.00124	1	03/24/2018 01:44	WG1088867
Toluene	0.00706		0.000538	0.00620	1	03/24/2018 01:44	WG1088867
1,2,3-Trichlorobenzene	U		0.000379	0.00124	1	03/24/2018 01:44	WG1088867
1,2,4-Trichlorobenzene	U		0.000481	0.00124	1	03/24/2018 01:44	WG1088867
1,1,1-Trichloroethane	U		0.000354	0.00124	1	03/24/2018 01:44	WG1088867
1,1,2-Trichloroethane	U		0.000343	0.00124	1	03/24/2018 01:44	WG1088867
Trichloroethene	0.000944	J J	0.000346	0.00124	1	03/24/2018 01:44	WG1088867
Trichlorofluoromethane	U		0.000473	0.00620	1	03/24/2018 01:44	WG1088867
1,2,3-Trichloropropane	U		0.000918	0.00310	1	03/24/2018 01:44	WG1088867
1,2,4-Trimethylbenzene	0.00298		0.000261	0.00124	1	03/24/2018 01:44	WG1088867
1,2,3-Trimethylbenzene	0.00130		0.000356	0.00124	1	03/24/2018 01:44	WG1088867
1,3,5-Trimethylbenzene	0.000627	J J	0.000330	0.00124	1	03/24/2018 01:44	WG1088867
Vinyl acetate	U	UJ J0	0.00296	0.0124	1	03/24/2018 01:44	WG1088867
Vinyl chloride	0.000638	J J	0.000361	0.00124	1	03/24/2018 01:44	WG1088867
Xylenes, Total	0.00827		0.000865	0.00372	1	03/24/2018 01:44	WG1088867
(S) Toluene-d8	*105*			*80.0-120*		*03/24/2018 01:44*	WG1088867
(S) Dibromofluoromethane	*100*			*74.0-131*		*03/24/2018 01:44*	WG1088867
(S) 4-Bromofluorobenzene	*96.5*			*64.0-132*		*03/24/2018 01:44*	WG1088867

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Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	73.1		1	03/27/2018 14:50	WG1089688

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	253		1.16	3.42	25	03/22/2018 21:12	WG1087938
(S) a,a,a-Trifluorotoluene(FID)	*100*			*77.0-120*		*03/22/2018 21:12*	WG1087938

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.148	J J	0.0216	0.171	1	03/25/2018 13:06	WG1088333
Acrylonitrile	U		0.0102	0.0342	1	03/23/2018 03:40	WG1088333
Benzene	0.0433		0.00178	0.00342	1	03/23/2018 03:40	WG1088333
Bromobenzene	U		0.00123	0.00342	1	03/23/2018 03:40	WG1088333
Bromochloromethane	U		0.000978	0.00342	1	03/23/2018 03:40	WG1088333
Bromodichloromethane	U		0.000879	0.00342	1	03/23/2018 03:40	WG1088333
Bromoform	U		0.000835	0.00342	1	03/23/2018 03:40	WG1088333
Bromomethane	U		0.00520	0.0171	1	03/23/2018 03:40	WG1088333
n-Butylbenzene	0.279		0.00233	0.00342	1	03/23/2018 03:40	WG1088333
sec-Butylbenzene	0.170		0.00142	0.00342	1	03/23/2018 03:40	WG1088333
tert-Butylbenzene	0.00417		0.00148	0.00342	1	03/23/2018 03:40	WG1088333
Carbon disulfide	U		0.00114	0.00342	1	03/23/2018 03:40	WG1088333
Carbon tetrachloride	U		0.000801	0.0171	1	03/23/2018 03:40	WG1088333
Chlorobenzene	U		0.00119	0.00342	1	03/23/2018 03:40	WG1088333
Chlorodibromomethane	U		0.000983	0.00342	1	03/23/2018 03:40	WG1088333
Chloroethane	U		0.00643	0.0171	1	03/23/2018 03:40	WG1088333
Chloroform	U		0.00238	0.00342	1	03/23/2018 03:40	WG1088333
Chloromethane	U		0.00307	0.0274	1	03/23/2018 03:40	WG1088333
2-Chlorotoluene	U		0.00128	0.00342	1	03/23/2018 03:40	WG1088333
4-Chlorotoluene	U		0.00155	0.00342	1	03/23/2018 03:40	WG1088333
1,2-Dibromo-3-Chloropropane	U		0.00328	0.0171	1	03/25/2018 13:06	WG1088333
1,2-Dibromoethane	U		0.00130	0.00342	1	03/23/2018 03:40	WG1088333
Dibromomethane	U		0.00137	0.00342	1	03/23/2018 03:40	WG1088333
1,2-Dichlorobenzene	U		0.00160	0.00342	1	03/23/2018 03:40	WG1088333
1,3-Dichlorobenzene	U		0.00183	0.00342	1	03/23/2018 03:40	WG1088333
1,4-Dichlorobenzene	U		0.00178	0.00342	1	03/23/2018 03:40	WG1088333
Dichlorodifluoromethane	U		0.00200	0.0171	1	03/23/2018 03:40	WG1088333
1,1-Dichloroethane	U		0.00105	0.00342	1	03/23/2018 03:40	WG1088333
1,2-Dichloroethane	U		0.000958	0.00342	1	03/23/2018 03:40	WG1088333
1,1-Dichloroethene	U		0.00120	0.00342	1	03/23/2018 03:40	WG1088333
cis-1,2-Dichloroethene	0.00509		0.000723	0.00342	1	03/23/2018 03:40	WG1088333
trans-1,2-Dichloroethene	U		0.00246	0.00342	1	03/23/2018 03:40	WG1088333
trans-1,4-Dichloro-2-butene	0.254		0.00179	0.00855	1	03/23/2018 03:40	WG1088333
1,2-Dichloropropane	U		0.00175	0.00684	1	03/23/2018 03:40	WG1088333
1,1-Dichloropropene	U		0.000917	0.00342	1	03/23/2018 03:40	WG1088333
1,3-Dichloropropane	U		0.000705	0.00342	1	03/23/2018 03:40	WG1088333
cis-1,3-Dichloropropene	U		0.00123	0.00342	1	03/23/2018 03:40	WG1088333
trans-1,3-Dichloropropene	U		0.00109	0.00342	1	03/23/2018 03:40	WG1088333
2,2-Dichloropropane	U		0.000769	0.00342	1	03/23/2018 03:40	WG1088333
Di-isopropyl ether	U		0.000814	0.00342	1	03/23/2018 03:40	WG1088333
Ethylbenzene	0.0304		0.00177	0.00342	1	03/23/2018 03:40	WG1088333
Hexachloro-1,3-butadiene	U		0.00424	0.00684	1	03/25/2018 13:06	WG1088333
2-Hexanone	0.0743		0.00390	0.0342	1	03/23/2018 03:40	WG1088333
n-Hexane	0.00508	J J	0.00177	0.0342	1	03/25/2018 13:06	WG1088333

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Iodomethane	U		0.00267	0.00684	1	03/25/2018 13:06	WG1088333
Isopropylbenzene	0.0505		0.00141	0.00342	1	03/23/2018 03:40	WG1088333
p-Isopropyltoluene	0.0140		0.00178	0.00342	1	03/23/2018 03:40	WG1088333
2-Butanone (MEK)	U		0.0171	0.342	1	03/23/2018 03:40	WG1088333
Methylene Chloride	U		0.00427	0.0171	1	03/23/2018 03:40	WG1088333
4-Methyl-2-pentanone (MIBK)	U		0.0106	0.0342	1	03/23/2018 03:40	WG1088333
Methyl tert-butyl ether	U		0.00133	0.00684	1	03/23/2018 03:40	WG1088333
Naphthalene	U		0.00972	0.0171	1	03/25/2018 13:06	WG1088333
n-Propylbenzene	0.131		0.00164	0.00342	1	03/23/2018 03:40	WG1088333
Styrene	U		0.00161	0.00342	1	03/23/2018 03:40	WG1088333
1,1,1,2-Tetrachloroethane	U		0.000862	0.00342	1	03/23/2018 03:40	WG1088333
1,1,2,2-Tetrachloroethane	U		0.00101	0.00342	1	03/23/2018 03:40	WG1088333
1,1,2-Trichlorotrifluoroethane	U		0.000753	0.00342	1	03/23/2018 03:40	WG1088333
Tetrachloroethene	U		0.00163	0.00342	1	03/23/2018 03:40	WG1088333
Toluene	0.0179		0.00363	0.00684	1	03/23/2018 03:40	WG1088333
1,2,3-Trichlorobenzene	U		0.00197	0.00342	1	03/25/2018 13:06	WG1088333
1,2,4-Trichlorobenzene	U	J4	0.00257	0.00342	1	03/25/2018 13:06	WG1088333
1,1,1-Trichloroethane	U		0.00112	0.00342	1	03/23/2018 03:40	WG1088333
1,1,2-Trichloroethane	U		0.000746	0.00342	1	03/23/2018 03:40	WG1088333
Trichloroethene	U		0.00145	0.00342	1	03/23/2018 03:40	WG1088333
Trichlorofluoromethane	U	J3 J4	0.00246	0.0171	1	03/25/2018 13:06	WG1088333
1,2,3-Trichloropropane	U		0.00339	0.00855	1	03/23/2018 03:40	WG1088333
1,2,4-Trimethylbenzene	0.0498		0.00133	0.00342	1	03/23/2018 03:40	WG1088333
1,2,3-Trimethylbenzene	0.0262		0.00178	0.00342	1	03/23/2018 03:40	WG1088333
1,3,5-Trimethylbenzene	0.00664		0.00224	0.00342	1	03/23/2018 03:40	WG1088333
Vinyl acetate	U		0.00367	0.0342	1	03/25/2018 13:06	WG1088333
Vinyl chloride	U		0.00134	0.00342	1	03/23/2018 03:40	WG1088333
Xylenes, Total	0.0686		0.00654	0.0103	1	03/23/2018 03:40	WG1088333
(S) Toluene-d8	*103*			*80.0-120*		*03/23/2018 03:40*	WG1088333
(S) Toluene-d8	*80.6*			*80.0-120*		*03/25/2018 13:06*	WG1088333
(S) Dibromofluoromethane	*95.1*			*74.0-131*		*03/23/2018 03:40*	WG1088333
(S) Dibromofluoromethane	*86.7*			*74.0-131*		*03/25/2018 13:06*	WG1088333
(S) 4-Bromofluorobenzene	*99.4*			*64.0-132*		*03/23/2018 03:40*	WG1088333
(S) 4-Bromofluorobenzene	*105*			*64.0-132*		*03/25/2018 13:06*	WG1088333

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1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	62.2		1	03/27/2018 14:50	WG1089688

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	108		1.36	4.02	25	03/22/2018 21:34	WG1087938
(S) a,a,a-Trifluorotoluene(FID)	*100*			*77.0-120*		*03/22/2018 21:34*	WG1087938

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg		Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch	
Acetone	U	UJ	J0	0.402	2.01	25	03/24/2018 05:40	WG1088867	
Acrylonitrile	U			0.0720	0.402	25	03/24/2018 05:40	WG1088867	
Benzene	0.279			0.0109	0.0402	25	03/24/2018 05:40	WG1088867	
Bromobenzene	U			0.0114	0.0402	25	03/24/2018 05:40	WG1088867	
Bromodichloromethane	U			0.0102	0.0402	25	03/24/2018 05:40	WG1088867	
Bromochloromethane	U			0.0157	0.201	25	03/24/2018 05:40	WG1088867	
Bromoform	U	UJ	J0	0.0170	0.0402	25	03/24/2018 05:40	WG1088867	
Bromomethane	U			0.0539	0.201	25	03/24/2018 05:40	WG1088867	
n-Butylbenzene	0.373			0.0104	0.0402	25	03/26/2018 19:03	WG1088867	
sec-Butylbenzene	0.182			0.00807	0.0402	25	03/24/2018 05:40	WG1088867	
tert-Butylbenzene	U			0.00828	0.0402	25	03/24/2018 05:40	WG1088867	
Carbon disulfide	0.0183	J	J J0	0.00887	0.0402	25	03/24/2018 05:40	WG1088867	
Carbon tetrachloride	U			0.0132	0.0402	25	03/24/2018 05:40	WG1088867	
Chlorobenzene	U			0.00852	0.0402	25	03/24/2018 05:40	WG1088867	
Chlorodibromomethane	U			0.0150	0.0402	25	03/24/2018 05:40	WG1088867	
Chloroethane	U			0.0379	0.201	25	03/24/2018 05:40	WG1088867	
Chloroform	U			0.00919	0.201	25	03/24/2018 05:40	WG1088867	
Chloromethane	U			0.0151	0.100	25	03/24/2018 05:40	WG1088867	
2-Chlorotoluene	U			0.0121	0.0402	25	03/24/2018 05:40	WG1088867	
4-Chlorotoluene	U			0.00964	0.0402	25	03/24/2018 05:40	WG1088867	
1,2-Dibromo-3-Chloropropane	U			0.0421	0.201	25	03/24/2018 05:40	WG1088867	
1,2-Dibromoethane	U			0.0138	0.0402	25	03/24/2018 05:40	WG1088867	
Dibromomethane	U			0.0154	0.0402	25	03/24/2018 05:40	WG1088867	
1,2-Dichlorobenzene	U			0.0122	0.0402	25	03/24/2018 05:40	WG1088867	
1,3-Dichlorobenzene	U			0.00961	0.0402	25	03/24/2018 05:40	WG1088867	
1,4-Dichlorobenzene	U			0.00908	0.0402	25	03/24/2018 05:40	WG1088867	
Dichlorodifluoromethane	U			0.0286	0.201	25	03/24/2018 05:40	WG1088867	
1,1-Dichloroethane	U			0.00801	0.0402	25	03/24/2018 05:40	WG1088867	
1,2-Dichloroethane	U			0.0106	0.0402	25	03/24/2018 05:40	WG1088867	
1,1-Dichloroethene	U			0.0122	0.0402	25	03/24/2018 05:40	WG1088867	
cis-1,2-Dichloroethene	0.0163	J	J	0.00945	0.0402	25	03/24/2018 05:40	WG1088867	
trans-1,2-Dichloroethene	U			0.0106	0.0402	25	03/24/2018 05:40	WG1088867	
1,2-Dichloropropane	U			0.0144	0.0402	25	03/24/2018 05:40	WG1088867	
1,1-Dichloropropene	U			0.0127	0.0402	25	03/24/2018 05:40	WG1088867	
1,3-Dichloropropane	U			0.00833	0.0402	25	03/24/2018 05:40	WG1088867	
cis-1,3-Dichloropropene	U			0.0105	0.0402	25	03/24/2018 05:40	WG1088867	
trans-1,3-Dichloropropene	U			0.0107	0.0402	25	03/24/2018 05:40	WG1088867	
trans-1,4-Dichloro-2-butene	U			0.0312	0.100	25	03/24/2018 05:40	WG1088867	
2,2-Dichloropropane	U			0.0112	0.0402	25	03/24/2018 05:40	WG1088867	
Di-isopropyl ether	U			0.00997	0.0402	25	03/24/2018 05:40	WG1088867	
Ethylbenzene	0.232			0.0119	0.0402	25	03/26/2018 19:03	WG1088867	
Hexachloro-1,3-butadiene	U			0.0137	0.0402	25	03/24/2018 05:40	WG1088867	JC 4/18/18
2-Hexanone	U			0.0550	0.402	25	03/24/2018 05:40	WG1088867	
n-Hexane	0.0716	J	J	0.0117	0.402	25	03/24/2018 05:40	WG1088867	

IW-7A-15

Collected date/time: 03/16/18 09:10

SAMPLE RESULTS - 03

L979219

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Iodomethane	U		0.102	0.402	25	03/24/2018 05:40	WG1088867
Isopropylbenzene	0.108		0.00977	0.0402	25	03/24/2018 05:40	WG1088867
p-Isopropyltoluene	0.165		0.00820	0.0402	25	03/24/2018 05:40	WG1088867
2-Butanone (MEK)	U	UJ J0	0.188	0.402	25	03/24/2018 05:40	WG1088867
Methylene Chloride	U		0.0402	0.201	25	03/24/2018 05:40	WG1088867
4-Methyl-2-pentanone (MIBK)	U		0.0756	0.402	25	03/24/2018 05:40	WG1088867
Methyl tert-butyl ether	U		0.00852	0.0402	25	03/24/2018 05:40	WG1088867
Naphthalene	0.375		0.0402	0.201	25	03/26/2018 19:03	WG1088867
n-Propylbenzene	0.499		0.00828	0.0402	25	03/26/2018 19:03	WG1088867
Styrene	U		0.00940	0.0402	25	03/24/2018 05:40	WG1088867
1,1,1,2-Tetrachloroethane	U		0.0106	0.0402	25	03/24/2018 05:40	WG1088867
1,1,2,2-Tetrachloroethane	U		0.0147	0.0402	25	03/24/2018 05:40	WG1088867
1,1,2-Trichlorotrifluoroethane	U		0.0147	0.0402	25	03/24/2018 05:40	WG1088867
Tetrachloroethene	0.0250	J J	0.0111	0.0402	25	03/24/2018 05:40	WG1088867
Toluene	0.135	J J	0.0174	0.201	25	03/24/2018 05:40	WG1088867
1,2,3-Trichlorobenzene	U		0.0123	0.0402	25	03/24/2018 05:40	WG1088867
1,2,4-Trichlorobenzene	U		0.0156	0.0402	25	03/24/2018 05:40	WG1088867
1,1,1-Trichloroethane	U		0.0115	0.0402	25	03/24/2018 05:40	WG1088867
1,1,2-Trichloroethane	U		0.0111	0.0402	25	03/24/2018 05:40	WG1088867
Trichloroethene	U		0.0112	0.0402	25	03/24/2018 05:40	WG1088867
Trichlorofluoromethane	U		0.0154	0.201	25	03/24/2018 05:40	WG1088867
1,2,3-Trichloropropane	U		0.0297	0.100	25	03/24/2018 05:40	WG1088867
1,2,4-Trimethylbenzene	0.184		0.00849	0.0402	25	03/26/2018 19:03	WG1088867
1,2,3-Trimethylbenzene	0.102		0.0115	0.0402	25	03/26/2018 19:03	WG1088867
1,3,5-Trimethylbenzene	0.0306	J J	0.0107	0.0402	25	03/26/2018 19:03	WG1088867
Vinyl acetate	U	UJ J0	0.0961	0.402	25	03/24/2018 05:40	WG1088867
Vinyl chloride	U		0.0117	0.0402	25	03/24/2018 05:40	WG1088867
Xylenes, Total	0.389		0.0280	0.121	25	03/26/2018 19:03	WG1088867
(S) Toluene-d8	*97.8*			*80.0-120*		*03/26/2018 19:03*	WG1088867
(S) Toluene-d8	*94.6*			*80.0-120*		*03/24/2018 05:40*	WG1088867
(S) Dibromofluoromethane	*90.6*			*74.0-131*		*03/24/2018 05:40*	WG1088867
(S) Dibromofluoromethane	*90.4*			*74.0-131*		*03/26/2018 19:03*	WG1088867
(S) 4-Bromofluorobenzene	*94.6*			*64.0-132*		*03/24/2018 05:40*	WG1088867
(S) 4-Bromofluorobenzene	*97.3*			*64.0-132*		*03/26/2018 19:03*	WG1088867

Sample Narrative:

L979219-03 WG1088867: Cannot be analyzed at a lower dilution due to high levels of target and non-target analytes.

JC 4/18/18

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	71.2		1	03/27/2018 14:50	WG1089688

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	18.7		1.19	3.51	25	03/22/2018 21:56	WG1087938
(S) a,a,a-Trifluorotoluene(FID)	*102*			*77.0-120*		*03/22/2018 21:56*	WG1087938

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.0629 J	J	0.0222	0.176	1	03/25/2018 13:25	WG1088333
Acrylonitrile	U		0.0104	0.0351	1	03/23/2018 03:59	WG1088333
Benzene	0.00723		0.00183	0.00351	1	03/23/2018 03:59	WG1088333
Bromobenzene	U		0.00126	0.00351	1	03/23/2018 03:59	WG1088333
Bromochloromethane	U		0.00100	0.00351	1	03/23/2018 03:59	WG1088333
Bromodichloromethane	U		0.000902	0.00351	1	03/23/2018 03:59	WG1088333
Bromoform	U		0.000857	0.00351	1	03/23/2018 03:59	WG1088333
Bromomethane	U		0.00534	0.0176	1	03/23/2018 03:59	WG1088333
n-Butylbenzene	0.0127		0.00239	0.00351	1	03/23/2018 03:59	WG1088333
sec-Butylbenzene	0.00877		0.00146	0.00351	1	03/23/2018 03:59	WG1088333
tert-Butylbenzene	U		0.00152	0.00351	1	03/23/2018 03:59	WG1088333
Carbon disulfide	0.00459		0.00117	0.00351	1	03/23/2018 03:59	WG1088333
Carbon tetrachloride	U		0.000822	0.0176	1	03/23/2018 03:59	WG1088333
Chlorobenzene	U		0.00122	0.00351	1	03/23/2018 03:59	WG1088333
Chlorodibromomethane	U		0.00101	0.00351	1	03/23/2018 03:59	WG1088333
Chloroethane	U		0.00660	0.0176	1	03/23/2018 03:59	WG1088333
Chloroform	U		0.00244	0.00351	1	03/23/2018 03:59	WG1088333
Chloromethane	U		0.00315	0.0281	1	03/23/2018 03:59	WG1088333
2-Chlorotoluene	U		0.00131	0.00351	1	03/23/2018 03:59	WG1088333
4-Chlorotoluene	U		0.00159	0.00351	1	03/23/2018 03:59	WG1088333
1,2-Dibromo-3-Chloropropane	U		0.00337	0.0176	1	03/25/2018 13:25	WG1088333
1,2-Dibromoethane	U		0.00134	0.00351	1	03/23/2018 03:59	WG1088333
Dibromomethane	U		0.00140	0.00351	1	03/23/2018 03:59	WG1088333
1,2-Dichlorobenzene	U		0.00164	0.00351	1	03/23/2018 03:59	WG1088333
1,3-Dichlorobenzene	U		0.00188	0.00351	1	03/23/2018 03:59	WG1088333
1,4-Dichlorobenzene	U		0.00183	0.00351	1	03/23/2018 03:59	WG1088333
Dichlorodifluoromethane	U		0.00205	0.0176	1	03/23/2018 03:59	WG1088333
1,1-Dichloroethane	U		0.00108	0.00351	1	03/23/2018 03:59	WG1088333
1,2-Dichloroethane	U		0.000983	0.00351	1	03/23/2018 03:59	WG1088333
1,1-Dichloroethene	U		0.00124	0.00351	1	03/23/2018 03:59	WG1088333
cis-1,2-Dichloroethene	0.00155 J	J	0.000742	0.00351	1	03/23/2018 03:59	WG1088333
trans-1,2-Dichloroethene	U		0.00253	0.00351	1	03/23/2018 03:59	WG1088333
trans-1,4-Dichloro-2-butene	0.00815 J	J	0.00184	0.00878	1	03/23/2018 03:59	WG1088333
1,2-Dichloropropane	U		0.00180	0.00702	1	03/23/2018 03:59	WG1088333
1,1-Dichloropropene	U		0.000941	0.00351	1	03/23/2018 03:59	WG1088333
1,3-Dichloropropane	U		0.000723	0.00351	1	03/23/2018 03:59	WG1088333
cis-1,3-Dichloropropene	U		0.00127	0.00351	1	03/23/2018 03:59	WG1088333
trans-1,3-Dichloropropene	U		0.00112	0.00351	1	03/23/2018 03:59	WG1088333
2,2-Dichloropropane	U		0.000789	0.00351	1	03/23/2018 03:59	WG1088333
Di-isopropyl ether	U		0.000836	0.00351	1	03/23/2018 03:59	WG1088333
Ethylbenzene	0.00585		0.00181	0.00351	1	03/23/2018 03:59	WG1088333
Hexachloro-1,3-butadiene	U		0.00435	0.00702	1	03/25/2018 13:25	WG1088333
2-Hexanone	0.00477 J	J	0.00400	0.0351	1	03/23/2018 03:59	WG1088333
n-Hexane	U		0.00181	0.0351	1	03/25/2018 13:25	WG1088333

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Iodomethane	U		0.00274	0.00702	1	03/25/2018 13:25	WG1088333
Isopropylbenzene	0.00455		0.00145	0.00351	1	03/23/2018 03:59	WG1088333
p-Isopropyltoluene	0.0356		0.00183	0.00351	1	03/23/2018 03:59	WG1088333
2-Butanone (MEK)	U		0.0176	0.351	1	03/23/2018 03:59	WG1088333
Methylene Chloride	U		0.00438	0.0176	1	03/23/2018 03:59	WG1088333
4-Methyl-2-pentanone (MIBK)	U		0.0109	0.0351	1	03/23/2018 03:59	WG1088333
Methyl tert-butyl ether	U		0.00137	0.00702	1	03/23/2018 03:59	WG1088333
Naphthalene	U		0.00997	0.0176	1	03/25/2018 13:25	WG1088333
n-Propylbenzene	0.0112		0.00169	0.00351	1	03/23/2018 03:59	WG1088333
Styrene	U		0.00166	0.00351	1	03/23/2018 03:59	WG1088333
1,1,1,2-Tetrachloroethane	U		0.000885	0.00351	1	03/23/2018 03:59	WG1088333
1,1,2,2-Tetrachloroethane	U		0.00103	0.00351	1	03/23/2018 03:59	WG1088333
1,1,2-Trichlorotrifluoroethane	U		0.000772	0.00351	1	03/23/2018 03:59	WG1088333
Tetrachloroethene	U		0.00167	0.00351	1	03/23/2018 03:59	WG1088333
Toluene	0.0250		0.00372	0.00702	1	03/23/2018 03:59	WG1088333
1,2,3-Trichlorobenzene	U		0.00202	0.00351	1	03/25/2018 13:25	WG1088333
1,2,4-Trichlorobenzene	U	J4	0.00264	0.00351	1	03/25/2018 13:25	WG1088333
1,1,1-Trichloroethane	U		0.00114	0.00351	1	03/23/2018 03:59	WG1088333
1,1,2-Trichloroethane	U		0.000765	0.00351	1	03/23/2018 03:59	WG1088333
Trichloroethene	U		0.00149	0.00351	1	03/23/2018 03:59	WG1088333
Trichlorofluoromethane	U	J3 J4	0.00253	0.0176	1	03/25/2018 13:25	WG1088333
1,2,3-Trichloropropane	U		0.00348	0.00878	1	03/23/2018 03:59	WG1088333
1,2,4-Trimethylbenzene	0.00804	B	0.00136	0.00351	1	03/23/2018 03:59	WG1088333
1,2,3-Trimethylbenzene	0.00672		0.00183	0.00351	1	03/23/2018 03:59	WG1088333
1,3,5-Trimethylbenzene	0.00328 J	J	0.00230	0.00351	1	03/23/2018 03:59	WG1088333
Vinyl acetate	U		0.00376	0.0351	1	03/25/2018 13:25	WG1088333
Vinyl chloride	U		0.00137	0.00351	1	03/23/2018 03:59	WG1088333
Xylenes, Total	0.0170		0.00671	0.0105	1	03/23/2018 03:59	WG1088333
(S) Toluene-d8	*110*			*80.0-120*		*03/23/2018 03:59*	WG1088333
(S) Toluene-d8	*93.9*			*80.0-120*		*03/25/2018 13:25*	WG1088333
(S) Dibromofluoromethane	*80.5*			*74.0-131*		*03/25/2018 13:25*	WG1088333
(S) Dibromofluoromethane	*86.8*			*74.0-131*		*03/23/2018 03:59*	WG1088333
(S) 4-Bromofluorobenzene	*101*			*64.0-132*		*03/23/2018 03:59*	WG1088333
(S) 4-Bromofluorobenzene	*91.9*			*64.0-132*		*03/25/2018 13:25*	WG1088333

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Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	82.6		1	03/27/2018 14:50	WG1089688

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	2.82		0.0411	0.121	1	03/22/2018 22:19	WG1087938
(S) a,a,a-Trifluorotoluene(FID)	*96.0*			*77.0-120*		*03/22/2018 22:19*	WG1087938

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.0230 J	J J0	0.0121	0.0606	1	03/24/2018 02:04	WG1088867
Acrylonitrile	U		0.00217	0.0121	1	03/24/2018 02:04	WG1088867
Benzene	0.00189		0.000327	0.00121	1	03/24/2018 02:04	WG1088867
Bromobenzene	U		0.000344	0.00121	1	03/24/2018 02:04	WG1088867
Bromodichloromethane	U		0.000308	0.00121	1	03/24/2018 02:04	WG1088867
Bromochloromethane	U		0.000472	0.00606	1	03/24/2018 02:04	WG1088867
Bromoform	U UJ	J0	0.000514	0.00121	1	03/24/2018 02:04	WG1088867
Bromomethane	U		0.00162	0.00606	1	03/24/2018 02:04	WG1088867
n-Butylbenzene	U		0.000313	0.00121	1	03/24/2018 02:04	WG1088867
sec-Butylbenzene	U		0.000243	0.00121	1	03/24/2018 02:04	WG1088867
tert-Butylbenzene	U		0.000250	0.00121	1	03/24/2018 02:04	WG1088867
Carbon disulfide	0.000638 J	J J0	0.000268	0.00121	1	03/24/2018 02:04	WG1088867
Carbon tetrachloride	U		0.000397	0.00121	1	03/24/2018 02:04	WG1088867
Chlorobenzene	U		0.000257	0.00121	1	03/24/2018 02:04	WG1088867
Chlorodibromomethane	U		0.000452	0.00121	1	03/24/2018 02:04	WG1088867
Chloroethane	U		0.00115	0.00606	1	03/24/2018 02:04	WG1088867
Chloroform	U		0.000277	0.00606	1	03/24/2018 02:04	WG1088867
Chloromethane	U		0.000454	0.00303	1	03/24/2018 02:04	WG1088867
2-Chlorotoluene	U		0.000365	0.00121	1	03/24/2018 02:04	WG1088867
4-Chlorotoluene	U		0.000291	0.00121	1	03/24/2018 02:04	WG1088867
1,2-Dibromo-3-Chloropropane	U		0.00127	0.00606	1	03/24/2018 02:04	WG1088867
1,2-Dibromoethane	U		0.000415	0.00121	1	03/24/2018 02:04	WG1088867
Dibromomethane	U		0.000463	0.00121	1	03/24/2018 02:04	WG1088867
1,2-Dichlorobenzene	U		0.000369	0.00121	1	03/24/2018 02:04	WG1088867
1,3-Dichlorobenzene	U		0.000289	0.00121	1	03/24/2018 02:04	WG1088867
1,4-Dichlorobenzene	U		0.000274	0.00121	1	03/24/2018 02:04	WG1088867
Dichlorodifluoromethane	U		0.000864	0.00606	1	03/24/2018 02:04	WG1088867
1,1-Dichloroethane	U		0.000241	0.00121	1	03/24/2018 02:04	WG1088867
1,2-Dichloroethane	U		0.000321	0.00121	1	03/24/2018 02:04	WG1088867
1,1-Dichloroethene	U		0.000367	0.00121	1	03/24/2018 02:04	WG1088867
cis-1,2-Dichloroethene	0.000857 J	J	0.000285	0.00121	1	03/24/2018 02:04	WG1088867
trans-1,2-Dichloroethene	U		0.000320	0.00121	1	03/24/2018 02:04	WG1088867
1,2-Dichloropropane	U		0.000434	0.00121	1	03/24/2018 02:04	WG1088867
1,1-Dichloropropene	U		0.000384	0.00121	1	03/24/2018 02:04	WG1088867
1,3-Dichloropropane	U		0.000251	0.00121	1	03/24/2018 02:04	WG1088867
cis-1,3-Dichloropropene	U		0.000317	0.00121	1	03/24/2018 02:04	WG1088867
trans-1,3-Dichloropropene	U		0.000323	0.00121	1	03/24/2018 02:04	WG1088867
trans-1,4-Dichloro-2-butene	U		0.000942	0.00303	1	03/24/2018 02:04	WG1088867
2,2-Dichloropropane	U		0.000338	0.00121	1	03/24/2018 02:04	WG1088867
Di-isopropyl ether	U		0.000300	0.00121	1	03/24/2018 02:04	WG1088867
Ethylbenzene	U		0.000360	0.00121	1	03/24/2018 02:04	WG1088867
Hexachloro-1,3-butadiene	U		0.000414	0.00121	1	03/24/2018 02:04	WG1088867
2-Hexanone	U		0.00166	0.0121	1	03/24/2018 02:04	WG1088867
n-Hexane	0.000647 J	J	0.000351	0.0121	1	03/24/2018 02:04	WG1088867

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Iodomethane	U		0.00306	0.0121	1	03/24/2018 02:04	WG1088867
Isopropylbenzene	U		0.000294	0.00121	1	03/24/2018 02:04	WG1088867
p-Isopropyltoluene	U		0.000247	0.00121	1	03/24/2018 02:04	WG1088867
2-Butanone (MEK)	U	UJ J0	0.00567	0.0121	1	03/24/2018 02:04	WG1088867
Methylene Chloride	U		0.00121	0.00606	1	03/24/2018 02:04	WG1088867
4-Methyl-2-pentanone (MIBK)	U		0.00228	0.0121	1	03/24/2018 02:04	WG1088867
Methyl tert-butyl ether	U		0.000257	0.00121	1	03/24/2018 02:04	WG1088867
Naphthalene	U		0.00121	0.00606	1	03/24/2018 02:04	WG1088867
n-Propylbenzene	U		0.000250	0.00121	1	03/24/2018 02:04	WG1088867
Styrene	U		0.000283	0.00121	1	03/24/2018 02:04	WG1088867
1,1,1,2-Tetrachloroethane	U		0.000320	0.00121	1	03/24/2018 02:04	WG1088867
1,1,2,2-Tetrachloroethane	U		0.000442	0.00121	1	03/24/2018 02:04	WG1088867
1,1,2-Trichlorotrifluoroethane	U		0.000442	0.00121	1	03/24/2018 02:04	WG1088867
Tetrachloroethene	U		0.000334	0.00121	1	03/24/2018 02:04	WG1088867
Toluene	U		0.000526	0.00606	1	03/24/2018 02:04	WG1088867
1,2,3-Trichlorobenzene	U		0.000371	0.00121	1	03/24/2018 02:04	WG1088867
1,2,4-Trichlorobenzene	U		0.000470	0.00121	1	03/24/2018 02:04	WG1088867
1,1,1-Trichloroethane	U		0.000346	0.00121	1	03/24/2018 02:04	WG1088867
1,1,2-Trichloroethane	U		0.000336	0.00121	1	03/24/2018 02:04	WG1088867
Trichloroethene	U		0.000338	0.00121	1	03/24/2018 02:04	WG1088867
Trichlorofluoromethane	U		0.000463	0.00606	1	03/24/2018 02:04	WG1088867
1,2,3-Trichloropropane	U		0.000898	0.00303	1	03/24/2018 02:04	WG1088867
1,2,4-Trimethylbenzene	U		0.000256	0.00121	1	03/24/2018 02:04	WG1088867
1,2,3-Trimethylbenzene	U		0.000348	0.00121	1	03/24/2018 02:04	WG1088867
1,3,5-Trimethylbenzene	U		0.000322	0.00121	1	03/24/2018 02:04	WG1088867
Vinyl acetate	U	UJ J0	0.00289	0.0121	1	03/24/2018 02:04	WG1088867
Vinyl chloride	U		0.000352	0.00121	1	03/24/2018 02:04	WG1088867
Xylenes, Total	U		0.000845	0.00363	1	03/24/2018 02:04	WG1088867
(S) Toluene-d8	*103*			*80.0-120*		*03/24/2018 02:04*	WG1088867
(S) Dibromofluoromethane	*103*			*74.0-131*		*03/24/2018 02:04*	WG1088867
(S) 4-Bromofluorobenzene	*96.8*			*64.0-132*		*03/24/2018 02:04*	WG1088867

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Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	86.2		1	03/27/2018 14:50	WG1089688

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	0.287		0.0393	0.116	1	03/22/2018 22:40	WG1087938
(S) a,a,a-Trifluorotoluene(FID)	*98.9*			*77.0-120*		*03/22/2018 22:40*	WG1087938

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U	UJ J0	0.0116	0.0580	1	03/24/2018 02:23	WG1088867
Acrylonitrile	U		0.00208	0.0116	1	03/24/2018 02:23	WG1088867
Benzene	0.00201		0.000313	0.00116	1	03/24/2018 02:23	WG1088867
Bromobenzene	U		0.000330	0.00116	1	03/24/2018 02:23	WG1088867
Bromodichloromethane	U		0.000295	0.00116	1	03/24/2018 02:23	WG1088867
Bromochloromethane	U		0.000453	0.00580	1	03/24/2018 02:23	WG1088867
Bromoform	U	UJ J0	0.000492	0.00116	1	03/24/2018 02:23	WG1088867
Bromomethane	U		0.00156	0.00580	1	03/24/2018 02:23	WG1088867
n-Butylbenzene	U		0.000299	0.00116	1	03/24/2018 02:23	WG1088867
sec-Butylbenzene	0.000333	J J	0.000233	0.00116	1	03/24/2018 02:23	WG1088867
tert-Butylbenzene	U		0.000239	0.00116	1	03/24/2018 02:23	WG1088867
Carbon disulfide	0.00597	J J0	0.000256	0.00116	1	03/24/2018 02:23	WG1088867
Carbon tetrachloride	U		0.000381	0.00116	1	03/24/2018 02:23	WG1088867
Chlorobenzene	U		0.000246	0.00116	1	03/24/2018 02:23	WG1088867
Chlorodibromomethane	U		0.000433	0.00116	1	03/24/2018 02:23	WG1088867
Chloroethane	U		0.00110	0.00580	1	03/24/2018 02:23	WG1088867
Chloroform	U		0.000266	0.00580	1	03/24/2018 02:23	WG1088867
Chloromethane	U		0.000435	0.00290	1	03/24/2018 02:23	WG1088867
2-Chlorotoluene	U		0.000349	0.00116	1	03/24/2018 02:23	WG1088867
4-Chlorotoluene	U		0.000279	0.00116	1	03/24/2018 02:23	WG1088867
1,2-Dibromo-3-Chloropropane	U		0.00122	0.00580	1	03/24/2018 02:23	WG1088867
1,2-Dibromoethane	U		0.000398	0.00116	1	03/24/2018 02:23	WG1088867
Dibromomethane	U		0.000443	0.00116	1	03/24/2018 02:23	WG1088867
1,2-Dichlorobenzene	U		0.000354	0.00116	1	03/24/2018 02:23	WG1088867
1,3-Dichlorobenzene	U		0.000277	0.00116	1	03/24/2018 02:23	WG1088867
1,4-Dichlorobenzene	U		0.000262	0.00116	1	03/24/2018 02:23	WG1088867
Dichlorodifluoromethane	U		0.000827	0.00580	1	03/24/2018 02:23	WG1088867
1,1-Dichloroethane	U		0.000231	0.00116	1	03/24/2018 02:23	WG1088867
1,2-Dichloroethane	U		0.000308	0.00116	1	03/24/2018 02:23	WG1088867
1,1-Dichloroethene	U		0.000352	0.00116	1	03/24/2018 02:23	WG1088867
cis-1,2-Dichloroethene	0.00175		0.000273	0.00116	1	03/24/2018 02:23	WG1088867
trans-1,2-Dichloroethene	U		0.000306	0.00116	1	03/24/2018 02:23	WG1088867
1,2-Dichloropropane	U		0.000415	0.00116	1	03/24/2018 02:23	WG1088867
1,1-Dichloropropene	U		0.000368	0.00116	1	03/24/2018 02:23	WG1088867
1,3-Dichloropropane	U		0.000240	0.00116	1	03/24/2018 02:23	WG1088867
cis-1,3-Dichloropropene	U		0.000304	0.00116	1	03/24/2018 02:23	WG1088867
trans-1,3-Dichloropropene	U		0.000310	0.00116	1	03/24/2018 02:23	WG1088867
trans-1,4-Dichloro-2-butene	U		0.000903	0.00290	1	03/24/2018 02:23	WG1088867
2,2-Dichloropropane	U		0.000324	0.00116	1	03/24/2018 02:23	WG1088867
Di-isopropyl ether	U		0.000288	0.00116	1	03/24/2018 02:23	WG1088867
Ethylbenzene	0.000369	J J	0.000345	0.00116	1	03/24/2018 02:23	WG1088867
Hexachloro-1,3-butadiene	U		0.000397	0.00116	1	03/24/2018 02:23	WG1088867
2-Hexanone	U		0.00159	0.0116	1	03/24/2018 02:23	WG1088867
n-Hexane	0.000969	J J	0.000337	0.0116	1	03/24/2018 02:23	WG1088867

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Iodomethane	U		0.00294	0.0116	1	03/24/2018 02:23	WG1088867
Isopropylbenzene	0.000332 J	J	0.000282	0.00116	1	03/24/2018 02:23	WG1088867
p-Isopropyltoluene	0.000507 J	J	0.000237	0.00116	1	03/24/2018 02:23	WG1088867
2-Butanone (MEK)	U UJ	J0	0.00543	0.0116	1	03/24/2018 02:23	WG1088867
Methylene Chloride	U		0.00116	0.00580	1	03/24/2018 02:23	WG1088867
4-Methyl-2-pentanone (MIBK)	U		0.00218	0.0116	1	03/24/2018 02:23	WG1088867
Methyl tert-butyl ether	U		0.000246	0.00116	1	03/24/2018 02:23	WG1088867
Naphthalene	U		0.00116	0.00580	1	03/24/2018 02:23	WG1088867
n-Propylbenzene	0.000493 J	J	0.000239	0.00116	1	03/24/2018 02:23	WG1088867
Styrene	U		0.000272	0.00116	1	03/24/2018 02:23	WG1088867
1,1,1,2-Tetrachloroethane	U		0.000306	0.00116	1	03/24/2018 02:23	WG1088867
1,1,2,2-Tetrachloroethane	U		0.000424	0.00116	1	03/24/2018 02:23	WG1088867
1,1,2-Trichlorotrifluoroethane	U		0.000424	0.00116	1	03/24/2018 02:23	WG1088867
Tetrachloroethene	0.00109 J	J	0.000320	0.00116	1	03/24/2018 02:23	WG1088867
Toluene	0.000845 J	J	0.000504	0.00580	1	03/24/2018 02:23	WG1088867
1,2,3-Trichlorobenzene	U		0.000355	0.00116	1	03/24/2018 02:23	WG1088867
1,2,4-Trichlorobenzene	U		0.000450	0.00116	1	03/24/2018 02:23	WG1088867
1,1,1-Trichloroethane	U		0.000332	0.00116	1	03/24/2018 02:23	WG1088867
1,1,2-Trichloroethane	U		0.000321	0.00116	1	03/24/2018 02:23	WG1088867
Trichloroethene	0.000495 J	J	0.000324	0.00116	1	03/24/2018 02:23	WG1088867
Trichlorofluoromethane	U		0.000443	0.00580	1	03/24/2018 02:23	WG1088867
1,2,3-Trichloropropane	U		0.000860	0.00290	1	03/24/2018 02:23	WG1088867
1,2,4-Trimethylbenzene	U		0.000245	0.00116	1	03/24/2018 02:23	WG1088867
1,2,3-Trimethylbenzene	U		0.000333	0.00116	1	03/24/2018 02:23	WG1088867
1,3,5-Trimethylbenzene	U		0.000309	0.00116	1	03/24/2018 02:23	WG1088867
Vinyl acetate	U UJ	J0	0.00277	0.0116	1	03/24/2018 02:23	WG1088867
Vinyl chloride	0.000829 J	J	0.000338	0.00116	1	03/24/2018 02:23	WG1088867
Xylenes, Total	U		0.000810	0.00348	1	03/24/2018 02:23	WG1088867
(S) Toluene-d8	*103*			*80.0-120*		*03/24/2018 02:23*	WG1088867
(S) Dibromofluoromethane	*102*			*74.0-131*		*03/24/2018 02:23*	WG1088867
(S) 4-Bromofluorobenzene	*96.3*			*64.0-132*		*03/24/2018 02:23*	WG1088867

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Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	83.1		1	03/27/2018 14:50	WG1089688

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	6.38		1.02	3.01	25	03/22/2018 23:02	WG1087938
(S) a,a,a-Trifluorotoluene(FID)	*102*			*77.0-120*		*03/22/2018 23:02*	WG1087938

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.0497	J J	0.0190	0.150	1	03/25/2018 13:44	WG1088333
Acrylonitrile	U		0.00893	0.0301	1	03/23/2018 04:18	WG1088333
Benzene	0.00282	J J	0.00156	0.00301	1	03/23/2018 04:18	WG1088333
Bromobenzene	U		0.00108	0.00301	1	03/23/2018 04:18	WG1088333
Bromochloromethane	U		0.000860	0.00301	1	03/23/2018 04:18	WG1088333
Bromodichloromethane	U		0.000773	0.00301	1	03/23/2018 04:18	WG1088333
Bromoform	U		0.000734	0.00301	1	03/23/2018 04:18	WG1088333
Bromomethane	U		0.00457	0.0150	1	03/23/2018 04:18	WG1088333
n-Butylbenzene	0.00331		0.00205	0.00301	1	03/23/2018 04:18	WG1088333
sec-Butylbenzene	0.00190	J J	0.00125	0.00301	1	03/23/2018 04:18	WG1088333
tert-Butylbenzene	U		0.00130	0.00301	1	03/23/2018 04:18	WG1088333
Carbon disulfide	0.00139	J J	0.000999	0.00301	1	03/23/2018 04:18	WG1088333
Carbon tetrachloride	U		0.000704	0.0150	1	03/23/2018 04:18	WG1088333
Chlorobenzene	U		0.00105	0.00301	1	03/23/2018 04:18	WG1088333
Chlorodibromomethane	U		0.000864	0.00301	1	03/23/2018 04:18	WG1088333
Chloroethane	U		0.00566	0.0150	1	03/23/2018 04:18	WG1088333
Chloroform	U		0.00209	0.00301	1	03/23/2018 04:18	WG1088333
Chloromethane	U		0.00270	0.0241	1	03/23/2018 04:18	WG1088333
2-Chlorotoluene	U		0.00113	0.00301	1	03/23/2018 04:18	WG1088333
4-Chlorotoluene	U		0.00136	0.00301	1	03/23/2018 04:18	WG1088333
1,2-Dibromo-3-Chloropropane	U		0.00289	0.0150	1	03/25/2018 13:44	WG1088333
1,2-Dibromoethane	U		0.00115	0.00301	1	03/23/2018 04:18	WG1088333
Dibromomethane	U		0.00120	0.00301	1	03/23/2018 04:18	WG1088333
1,2-Dichlorobenzene	U		0.00141	0.00301	1	03/23/2018 04:18	WG1088333
1,3-Dichlorobenzene	U		0.00161	0.00301	1	03/23/2018 04:18	WG1088333
1,4-Dichlorobenzene	U		0.00156	0.00301	1	03/23/2018 04:18	WG1088333
Dichlorodifluoromethane	U		0.00176	0.0150	1	03/23/2018 04:18	WG1088333
1,1-Dichloroethane	U		0.000927	0.00301	1	03/23/2018 04:18	WG1088333
1,2-Dichloroethane	U		0.000842	0.00301	1	03/23/2018 04:18	WG1088333
1,1-Dichloroethene	U		0.00106	0.00301	1	03/23/2018 04:18	WG1088333
cis-1,2-Dichloroethene	0.00193	J J	0.000635	0.00301	1	03/23/2018 04:18	WG1088333
trans-1,2-Dichloroethene	U		0.00217	0.00301	1	03/23/2018 04:18	WG1088333
trans-1,4-Dichloro-2-butene	0.00247	J J	0.00158	0.00752	1	03/23/2018 04:18	WG1088333
1,2-Dichloropropane	U		0.00154	0.00602	1	03/23/2018 04:18	WG1088333
1,1-Dichloropropene	U		0.000806	0.00301	1	03/23/2018 04:18	WG1088333
1,3-Dichloropropane	U		0.000620	0.00301	1	03/23/2018 04:18	WG1088333
cis-1,3-Dichloropropene	U		0.00109	0.00301	1	03/23/2018 04:18	WG1088333
trans-1,3-Dichloropropene	U		0.000960	0.00301	1	03/23/2018 04:18	WG1088333
2,2-Dichloropropane	U		0.000676	0.00301	1	03/23/2018 04:18	WG1088333
Di-isopropyl ether	U		0.000716	0.00301	1	03/23/2018 04:18	WG1088333
Ethylbenzene	0.00222	J J	0.00155	0.00301	1	03/23/2018 04:18	WG1088333
Hexachloro-1,3-butadiene	U		0.00373	0.00602	1	03/25/2018 13:44	WG1088333
2-Hexanone	U		0.00343	0.0301	1	03/23/2018 04:18	WG1088333
n-Hexane	U		0.00155	0.0301	1	03/25/2018 13:44	WG1088333

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IW-7A-35

Collected date/time: 03/16/18 10:00

SAMPLE RESULTS - 07

L979219

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Iodomethane	U		0.00235	0.00602	1	03/25/2018 13:44	WG1088333
Isopropylbenzene	0.00128 J	J	0.00124	0.00301	1	03/23/2018 04:18	WG1088333
p-Isopropyltoluene	0.0109		0.00156	0.00301	1	03/23/2018 04:18	WG1088333
2-Butanone (MEK)	U		0.0150	0.301	1	03/23/2018 04:18	WG1088333
Methylene Chloride	U		0.00375	0.0150	1	03/23/2018 04:18	WG1088333
4-Methyl-2-pentanone (MIBK)	U		0.00933	0.0301	1	03/23/2018 04:18	WG1088333
Methyl tert-butyl ether	U		0.00117	0.00602	1	03/23/2018 04:18	WG1088333
Naphthalene	U		0.00854	0.0150	1	03/25/2018 13:44	WG1088333
n-Propylbenzene	0.00389		0.00144	0.00301	1	03/23/2018 04:18	WG1088333
Styrene	U		0.00142	0.00301	1	03/23/2018 04:18	WG1088333
1,1,1,2-Tetrachloroethane	U		0.000758	0.00301	1	03/23/2018 04:18	WG1088333
1,1,2,2-Tetrachloroethane	U		0.000884	0.00301	1	03/23/2018 04:18	WG1088333
1,1,2-Trichlorotrifluoroethane	U		0.000662	0.00301	1	03/23/2018 04:18	WG1088333
Tetrachloroethene	0.00201 J	J	0.00143	0.00301	1	03/23/2018 04:18	WG1088333
Toluene	0.00752		0.00319	0.00602	1	03/23/2018 04:18	WG1088333
1,2,3-Trichlorobenzene	U		0.00173	0.00301	1	03/25/2018 13:44	WG1088333
1,2,4-Trichlorobenzene	U	J4	0.00226	0.00301	1	03/25/2018 13:44	WG1088333
1,1,1-Trichloroethane	U		0.000981	0.00301	1	03/23/2018 04:18	WG1088333
1,1,2-Trichloroethane	U		0.000656	0.00301	1	03/23/2018 04:18	WG1088333
Trichloroethene	U		0.00128	0.00301	1	03/23/2018 04:18	WG1088333
Trichlorofluoromethane	U	J3 J4	0.00217	0.0150	1	03/25/2018 13:44	WG1088333
1,2,3-Trichloropropane	U		0.00298	0.00752	1	03/23/2018 04:18	WG1088333
1,2,4-Trimethylbenzene	0.00333	B	0.00117	0.00301	1	03/23/2018 04:18	WG1088333
1,2,3-Trimethylbenzene	0.00333		0.00156	0.00301	1	03/23/2018 04:18	WG1088333
1,3,5-Trimethylbenzene	U		0.00197	0.00301	1	03/23/2018 04:18	WG1088333
Vinyl acetate	U		0.00322	0.0301	1	03/25/2018 13:44	WG1088333
Vinyl chloride	U		0.00118	0.00301	1	03/23/2018 04:18	WG1088333
Xylenes, Total	U		0.00575	0.00903	1	03/23/2018 04:18	WG1088333
(S) Toluene-d8	*91.1*			*80.0-120*		*03/25/2018 13:44*	WG1088333
(S) Toluene-d8	*108*			*80.0-120*		*03/23/2018 04:18*	WG1088333
(S) Dibromofluoromethane	*86.3*			*74.0-131*		*03/23/2018 04:18*	WG1088333
(S) Dibromofluoromethane	*84.7*			*74.0-131*		*03/25/2018 13:44*	WG1088333
(S) 4-Bromofluorobenzene	*97.7*			*64.0-132*		*03/23/2018 04:18*	WG1088333
(S) 4-Bromofluorobenzene	*90.9*			*64.0-132*		*03/25/2018 13:44*	WG1088333

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1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	84.9		1	03/27/2018 14:50	WG1089688

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	0.296		0.0399	0.118	1	03/22/2018 23:25	WG1087938
(S) a,a,a-Trifluorotoluene(FID)	*99.7*			*77.0-120*		*03/22/2018 23:25*	WG1087938

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U	UJ J0	0.0118	0.0589	1	03/24/2018 02:43	WG1088867
Acrylonitrile	U		0.00211	0.0118	1	03/24/2018 02:43	WG1088867
Benzene	U		0.000318	0.00118	1	03/24/2018 02:43	WG1088867
Bromobenzene	U		0.000334	0.00118	1	03/24/2018 02:43	WG1088867
Bromodichloromethane	U		0.000299	0.00118	1	03/24/2018 02:43	WG1088867
Bromochloromethane	U		0.000459	0.00589	1	03/24/2018 02:43	WG1088867
Bromoform	U	UJ J0	0.000499	0.00118	1	03/24/2018 02:43	WG1088867
Bromomethane	U		0.00158	0.00589	1	03/24/2018 02:43	WG1088867
n-Butylbenzene	U		0.000304	0.00118	1	03/24/2018 02:43	WG1088867
sec-Butylbenzene	U		0.000237	0.00118	1	03/24/2018 02:43	WG1088867
tert-Butylbenzene	U		0.000243	0.00118	1	03/24/2018 02:43	WG1088867
Carbon disulfide	0.000376	J J J0	0.000260	0.00118	1	03/24/2018 02:43	WG1088867
Carbon tetrachloride	U		0.000386	0.00118	1	03/24/2018 02:43	WG1088867
Chlorobenzene	U		0.000250	0.00118	1	03/24/2018 02:43	WG1088867
Chlorodibromomethane	U		0.000439	0.00118	1	03/24/2018 02:43	WG1088867
Chloroethane	U		0.00111	0.00589	1	03/24/2018 02:43	WG1088867
Chloroform	U		0.000270	0.00589	1	03/24/2018 02:43	WG1088867
Chloromethane	U		0.000442	0.00294	1	03/24/2018 02:43	WG1088867
2-Chlorotoluene	U		0.000354	0.00118	1	03/24/2018 02:43	WG1088867
4-Chlorotoluene	U		0.000283	0.00118	1	03/24/2018 02:43	WG1088867
1,2-Dibromo-3-Chloropropane	U		0.00124	0.00589	1	03/24/2018 02:43	WG1088867
1,2-Dibromoethane	U		0.000404	0.00118	1	03/24/2018 02:43	WG1088867
Dibromomethane	U		0.000450	0.00118	1	03/24/2018 02:43	WG1088867
1,2-Dichlorobenzene	U		0.000359	0.00118	1	03/24/2018 02:43	WG1088867
1,3-Dichlorobenzene	U		0.000281	0.00118	1	03/24/2018 02:43	WG1088867
1,4-Dichlorobenzene	U		0.000266	0.00118	1	03/24/2018 02:43	WG1088867
Dichlorodifluoromethane	U		0.000840	0.00589	1	03/24/2018 02:43	WG1088867
1,1-Dichloroethane	U		0.000234	0.00118	1	03/24/2018 02:43	WG1088867
1,2-Dichloroethane	U		0.000312	0.00118	1	03/24/2018 02:43	WG1088867
1,1-Dichloroethene	U		0.000357	0.00118	1	03/24/2018 02:43	WG1088867
cis-1,2-Dichloroethene	0.000564	J J	0.000277	0.00118	1	03/24/2018 02:43	WG1088867
trans-1,2-Dichloroethene	U		0.000311	0.00118	1	03/24/2018 02:43	WG1088867
1,2-Dichloropropane	U		0.000422	0.00118	1	03/24/2018 02:43	WG1088867
1,1-Dichloropropene	U		0.000373	0.00118	1	03/24/2018 02:43	WG1088867
1,3-Dichloropropane	U		0.000244	0.00118	1	03/24/2018 02:43	WG1088867
cis-1,3-Dichloropropene	U		0.000308	0.00118	1	03/24/2018 02:43	WG1088867
trans-1,3-Dichloropropene	U		0.000314	0.00118	1	03/24/2018 02:43	WG1088867
trans-1,4-Dichloro-2-butene	U		0.000916	0.00294	1	03/24/2018 02:43	WG1088867
2,2-Dichloropropane	U		0.000329	0.00118	1	03/24/2018 02:43	WG1088867
Di-isopropyl ether	U		0.000292	0.00118	1	03/24/2018 02:43	WG1088867
Ethylbenzene	U		0.000350	0.00118	1	03/24/2018 02:43	WG1088867
Hexachloro-1,3-butadiene	U		0.000403	0.00118	1	03/24/2018 02:43	WG1088867
2-Hexanone	U		0.00161	0.0118	1	03/24/2018 02:43	WG1088867
n-Hexane	U		0.000341	0.0118	1	03/24/2018 02:43	WG1088867

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg		Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Iodomethane	U			0.00298	0.0118	1	03/24/2018 02:43	WG1088867
Isopropylbenzene	U			0.000286	0.00118	1	03/24/2018 02:43	WG1088867
p-Isopropyltoluene	U			0.000240	0.00118	1	03/24/2018 02:43	WG1088867
2-Butanone (MEK)	U	UJ	J0	0.00551	0.0118	1	03/24/2018 02:43	WG1088867
Methylene Chloride	U			0.00118	0.00589	1	03/24/2018 02:43	WG1088867
4-Methyl-2-pentanone (MIBK)	U			0.00221	0.0118	1	03/24/2018 02:43	WG1088867
Methyl tert-butyl ether	U			0.000250	0.00118	1	03/24/2018 02:43	WG1088867
Naphthalene	U			0.00118	0.00589	1	03/24/2018 02:43	WG1088867
n-Propylbenzene	U			0.000243	0.00118	1	03/24/2018 02:43	WG1088867
Styrene	U			0.000276	0.00118	1	03/24/2018 02:43	WG1088867
1,1,1,2-Tetrachloroethane	U			0.000311	0.00118	1	03/24/2018 02:43	WG1088867
1,1,2,2-Tetrachloroethane	U			0.000430	0.00118	1	03/24/2018 02:43	WG1088867
1,1,2-Trichlorotrifluoroethane	U			0.000430	0.00118	1	03/24/2018 02:43	WG1088867
Tetrachloroethene	0.00118			0.000325	0.00118	1	03/24/2018 02:43	WG1088867
Toluene	U			0.000511	0.00589	1	03/24/2018 02:43	WG1088867
1,2,3-Trichlorobenzene	U			0.000360	0.00118	1	03/24/2018 02:43	WG1088867
1,2,4-Trichlorobenzene	U			0.000457	0.00118	1	03/24/2018 02:43	WG1088867
1,1,1-Trichloroethane	U			0.000337	0.00118	1	03/24/2018 02:43	WG1088867
1,1,2-Trichloroethane	U			0.000326	0.00118	1	03/24/2018 02:43	WG1088867
Trichloroethene	0.000393	J	J	0.000329	0.00118	1	03/24/2018 02:43	WG1088867
Trichlorofluoromethane	U			0.000450	0.00589	1	03/24/2018 02:43	WG1088867
1,2,3-Trichloropropane	U			0.000873	0.00294	1	03/24/2018 02:43	WG1088867
1,2,4-Trimethylbenzene	U			0.000248	0.00118	1	03/24/2018 02:43	WG1088867
1,2,3-Trimethylbenzene	U			0.000338	0.00118	1	03/24/2018 02:43	WG1088867
1,3,5-Trimethylbenzene	U			0.000313	0.00118	1	03/24/2018 02:43	WG1088867
Vinyl acetate	U	UJ	J0	0.00281	0.0118	1	03/24/2018 02:43	WG1088867
Vinyl chloride	U			0.000343	0.00118	1	03/24/2018 02:43	WG1088867
Xylenes, Total	U			0.000822	0.00353	1	03/24/2018 02:43	WG1088867
(S) Toluene-d8	*106*				*80.0-120*		*03/24/2018 02:43*	WG1088867
(S) Dibromofluoromethane	*104*				*74.0-131*		*03/24/2018 02:43*	WG1088867
(S) 4-Bromofluorobenzene	*91.8*				*64.0-132*		*03/24/2018 02:43*	WG1088867

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Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	85.6		1	03/27/2018 14:38	WG1089690

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	0.282		0.0396	0.117	1	03/22/2018 23:47	WG1087938
(S) a,a,a-Trifluorotoluene(FID)	*99.7*			*77.0-120*		*03/22/2018 23:47*	WG1087938

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch	
Acetone	U UJ	J0	0.0117	0.0584	1	03/24/2018 03:03	WG1088867	
Acrylonitrile	U		0.00209	0.0117	1	03/24/2018 03:03	WG1088867	
Benzene	0.000600 J	J	0.000316	0.00117	1	03/24/2018 03:03	WG1088867	
Bromobenzene	U		0.000332	0.00117	1	03/24/2018 03:03	WG1088867	
Bromodichloromethane	U		0.000297	0.00117	1	03/24/2018 03:03	WG1088867	
Bromochloromethane	U		0.000456	0.00584	1	03/24/2018 03:03	WG1088867	
Bromoform	U UJ	J0	0.000496	0.00117	1	03/24/2018 03:03	WG1088867	
Bromomethane	U		0.00157	0.00584	1	03/24/2018 03:03	WG1088867	
n-Butylbenzene	U		0.000302	0.00117	1	03/24/2018 03:03	WG1088867	
sec-Butylbenzene	U		0.000235	0.00117	1	03/24/2018 03:03	WG1088867	
tert-Butylbenzene	U		0.000241	0.00117	1	03/24/2018 03:03	WG1088867	
Carbon disulfide	0.000628 J	J J0	0.000258	0.00117	1	03/24/2018 03:03	WG1088867	
Carbon tetrachloride	U		0.000383	0.00117	1	03/24/2018 03:03	WG1088867	
Chlorobenzene	U		0.000248	0.00117	1	03/24/2018 03:03	WG1088867	
Chlorodibromomethane	U		0.000436	0.00117	1	03/24/2018 03:03	WG1088867	
Chloroethane	U		0.00111	0.00584	1	03/24/2018 03:03	WG1088867	
Chloroform	U		0.000268	0.00584	1	03/24/2018 03:03	WG1088867	
Chloromethane	U		0.000438	0.00292	1	03/24/2018 03:03	WG1088867	
2-Chlorotoluene	U		0.000352	0.00117	1	03/24/2018 03:03	WG1088867	
4-Chlorotoluene	U		0.000281	0.00117	1	03/24/2018 03:03	WG1088867	
1,2-Dibromo-3-Chloropropane	U		0.00123	0.00584	1	03/24/2018 03:03	WG1088867	
1,2-Dibromoethane	U		0.000401	0.00117	1	03/24/2018 03:03	WG1088867	
Dibromomethane	U		0.000446	0.00117	1	03/24/2018 03:03	WG1088867	
1,2-Dichlorobenzene	U		0.000356	0.00117	1	03/24/2018 03:03	WG1088867	
1,3-Dichlorobenzene	U		0.000279	0.00117	1	03/24/2018 03:03	WG1088867	
1,4-Dichlorobenzene	U		0.000264	0.00117	1	03/24/2018 03:03	WG1088867	
Dichlorodifluoromethane	U		0.000833	0.00584	1	03/24/2018 03:03	WG1088867	
1,1-Dichloroethane	U		0.000233	0.00117	1	03/24/2018 03:03	WG1088867	
1,2-Dichloroethane	U		0.000310	0.00117	1	03/24/2018 03:03	WG1088867	
1,1-Dichloroethene	U		0.000354	0.00117	1	03/24/2018 03:03	WG1088867	
cis-1,2-Dichloroethene	0.000444 J	J	0.000275	0.00117	1	03/24/2018 03:03	WG1088867	
trans-1,2-Dichloroethene	U		0.000309	0.00117	1	03/24/2018 03:03	WG1088867	
1,2-Dichloropropane	U		0.000418	0.00117	1	03/24/2018 03:03	WG1088867	
1,1-Dichloropropene	U		0.000371	0.00117	1	03/24/2018 03:03	WG1088867	
1,3-Dichloropropane	U		0.000242	0.00117	1	03/24/2018 03:03	WG1088867	
cis-1,3-Dichloropropene	U		0.000306	0.00117	1	03/24/2018 03:03	WG1088867	
trans-1,3-Dichloropropene	U		0.000312	0.00117	1	03/24/2018 03:03	WG1088867	
trans-1,4-Dichloro-2-butene	U		0.000909	0.00292	1	03/24/2018 03:03	WG1088867	JC 4/18/18
2,2-Dichloropropane	U		0.000326	0.00117	1	03/24/2018 03:03	WG1088867	
Di-isopropyl ether	U		0.000290	0.00117	1	03/24/2018 03:03	WG1088867	
Ethylbenzene	U		0.000347	0.00117	1	03/24/2018 03:03	WG1088867	
Hexachloro-1,3-butadiene	U		0.000400	0.00117	1	03/24/2018 03:03	WG1088867	
2-Hexanone	U		0.00160	0.0117	1	03/24/2018 03:03	WG1088867	
n-Hexane	U		0.000339	0.0117	1	03/24/2018 03:03	WG1088867	

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Iodomethane	U		0.00296	0.0117	1	03/24/2018 03:03	WG1088867
Isopropylbenzene	U		0.000284	0.00117	1	03/24/2018 03:03	WG1088867
p-Isopropyltoluene	U		0.000238	0.00117	1	03/24/2018 03:03	WG1088867
2-Butanone (MEK)	U	UJ J0	0.00547	0.0117	1	03/24/2018 03:03	WG1088867
Methylene Chloride	U		0.00117	0.00584	1	03/24/2018 03:03	WG1088867
4-Methyl-2-pentanone (MIBK)	U		0.00220	0.0117	1	03/24/2018 03:03	WG1088867
Methyl tert-butyl ether	U		0.000248	0.00117	1	03/24/2018 03:03	WG1088867
Naphthalene	U		0.00117	0.00584	1	03/24/2018 03:03	WG1088867
n-Propylbenzene	U		0.000241	0.00117	1	03/24/2018 03:03	WG1088867
Styrene	U		0.000274	0.00117	1	03/24/2018 03:03	WG1088867
1,1,1,2-Tetrachloroethane	U		0.000309	0.00117	1	03/24/2018 03:03	WG1088867
1,1,2,2-Tetrachloroethane	0.000611	J J	0.000427	0.00117	1	03/24/2018 03:03	WG1088867
1,1,2-Trichlorotrifluoroethane	U		0.000427	0.00117	1	03/24/2018 03:03	WG1088867
Tetrachloroethene	0.000910	J J	0.000323	0.00117	1	03/24/2018 03:03	WG1088867
Toluene	U		0.000507	0.00584	1	03/24/2018 03:03	WG1088867
1,2,3-Trichlorobenzene	U		0.000358	0.00117	1	03/24/2018 03:03	WG1088867
1,2,4-Trichlorobenzene	U		0.000454	0.00117	1	03/24/2018 03:03	WG1088867
1,1,1-Trichloroethane	U		0.000334	0.00117	1	03/24/2018 03:03	WG1088867
1,1,2-Trichloroethane	U		0.000324	0.00117	1	03/24/2018 03:03	WG1088867
Trichloroethene	U		0.000326	0.00117	1	03/24/2018 03:03	WG1088867
Trichlorofluoromethane	U		0.000446	0.00584	1	03/24/2018 03:03	WG1088867
1,2,3-Trichloropropane	U		0.000866	0.00292	1	03/24/2018 03:03	WG1088867
1,2,4-Trimethylbenzene	U		0.000247	0.00117	1	03/24/2018 03:03	WG1088867
1,2,3-Trimethylbenzene	U		0.000335	0.00117	1	03/24/2018 03:03	WG1088867
1,3,5-Trimethylbenzene	U		0.000311	0.00117	1	03/24/2018 03:03	WG1088867
Vinyl acetate	U	UJ J0	0.00279	0.0117	1	03/24/2018 03:03	WG1088867
Vinyl chloride	U		0.000340	0.00117	1	03/24/2018 03:03	WG1088867
Xylenes, Total	U		0.000816	0.00351	1	03/24/2018 03:03	WG1088867
(S) Toluene-d8	*105*			*80.0-120*		*03/24/2018 03:03*	WG1088867
(S) Dibromofluoromethane	*102*			*74.0-131*		*03/24/2018 03:03*	WG1088867
(S) 4-Bromofluorobenzene	*93.7*			*64.0-132*		*03/24/2018 03:03*	WG1088867

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1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	90.0		1	03/27/2018 14:38	WG1089690

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	0.483		0.0377	0.111	1	03/23/2018 00:09	WG1087938
(S) a,a,a-Trifluorotoluene(FID)	*101*			*77.0-120*		*03/23/2018 00:09*	WG1087938

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.0327	J J	0.0111	0.0555	1	03/27/2018 12:56	WG1089430
Acrylonitrile	U		0.00199	0.0111	1	03/27/2018 12:56	WG1089430
Benzene	U		0.000300	0.00111	1	03/27/2018 12:56	WG1089430
Bromobenzene	U		0.000315	0.00111	1	03/27/2018 12:56	WG1089430
Bromodichloromethane	U		0.000282	0.00111	1	03/27/2018 12:56	WG1089430
Bromochloromethane	U		0.000433	0.00555	1	03/27/2018 12:56	WG1089430
Bromoform	U		0.000471	0.00111	1	03/27/2018 12:56	WG1089430
Bromomethane	U		0.00149	0.00555	1	03/27/2018 12:56	WG1089430
n-Butylbenzene	U		0.000287	0.00111	1	03/27/2018 12:56	WG1089430
sec-Butylbenzene	U		0.000223	0.00111	1	03/27/2018 12:56	WG1089430
tert-Butylbenzene	U		0.000229	0.00111	1	03/27/2018 12:56	WG1089430
Carbon disulfide	U		0.000245	0.00111	1	03/27/2018 12:56	WG1089430
Carbon tetrachloride	U		0.000364	0.00111	1	03/27/2018 12:56	WG1089430
Chlorobenzene	U		0.000235	0.00111	1	03/27/2018 12:56	WG1089430
Chlorodibromomethane	U		0.000414	0.00111	1	03/27/2018 12:56	WG1089430
Chloroethane	U		0.00105	0.00555	1	03/27/2018 12:56	WG1089430
Chloroform	U		0.000254	0.00555	1	03/27/2018 12:56	WG1089430
Chloromethane	U		0.000417	0.00278	1	03/27/2018 12:56	WG1089430
2-Chlorotoluene	U		0.000334	0.00111	1	03/27/2018 12:56	WG1089430
4-Chlorotoluene	U		0.000267	0.00111	1	03/27/2018 12:56	WG1089430
1,2-Dibromo-3-Chloropropane	U	UJ J0	0.00117	0.00555	1	03/27/2018 12:56	WG1089430
1,2-Dibromoethane	U		0.000381	0.00111	1	03/27/2018 12:56	WG1089430
Dibromomethane	U		0.000424	0.00111	1	03/27/2018 12:56	WG1089430
1,2-Dichlorobenzene	U		0.000339	0.00111	1	03/27/2018 12:56	WG1089430
1,3-Dichlorobenzene	U		0.000265	0.00111	1	03/27/2018 12:56	WG1089430
1,4-Dichlorobenzene	U		0.000251	0.00111	1	03/27/2018 12:56	WG1089430
Dichlorodifluoromethane	U		0.000792	0.00555	1	03/27/2018 12:56	WG1089430
1,1-Dichloroethane	U		0.000221	0.00111	1	03/27/2018 12:56	WG1089430
1,2-Dichloroethane	U		0.000294	0.00111	1	03/27/2018 12:56	WG1089430
1,1-Dichloroethene	0.000677	J J	0.000337	0.00111	1	03/27/2018 12:56	WG1089430
cis-1,2-Dichloroethene	0.117		0.000261	0.00111	1	03/27/2018 12:56	WG1089430
trans-1,2-Dichloroethene	0.000372	J J	0.000293	0.00111	1	03/27/2018 12:56	WG1089430
1,2-Dichloropropane	U		0.000398	0.00111	1	03/27/2018 12:56	WG1089430
1,1-Dichloropropene	U		0.000352	0.00111	1	03/27/2018 12:56	WG1089430
1,3-Dichloropropane	U		0.000230	0.00111	1	03/27/2018 12:56	WG1089430
cis-1,3-Dichloropropene	U		0.000291	0.00111	1	03/27/2018 12:56	WG1089430
trans-1,3-Dichloropropene	U		0.000297	0.00111	1	03/27/2018 12:56	WG1089430
trans-1,4-Dichloro-2-butene	U		0.000864	0.00278	1	03/27/2018 12:56	WG1089430
2,2-Dichloropropane	U		0.000310	0.00111	1	03/27/2018 12:56	WG1089430
Di-isopropyl ether	U		0.000275	0.00111	1	03/27/2018 12:56	WG1089430
Ethylbenzene	U		0.000330	0.00111	1	03/27/2018 12:56	WG1089430
Hexachloro-1,3-butadiene	U		0.000380	0.00111	1	03/27/2018 12:56	WG1089430
2-Hexanone	U	UJ J0	0.00152	0.0111	1	03/27/2018 12:56	WG1089430
n-Hexane	U		0.000322	0.0111	1	03/27/2018 12:56	WG1089430

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Iodomethane	U		0.00281	0.0111	1	03/27/2018 12:56	WG1089430
Isopropylbenzene	U		0.000270	0.00111	1	03/27/2018 12:56	WG1089430
p-Isopropyltoluene	U		0.000227	0.00111	1	03/27/2018 12:56	WG1089430
2-Butanone (MEK)	U		0.00520	0.0111	1	03/27/2018 12:56	WG1089430
Methylene Chloride	U		0.00111	0.00555	1	03/27/2018 12:56	WG1089430
4-Methyl-2-pentanone (MIBK)	U		0.00209	0.0111	1	03/27/2018 12:56	WG1089430
Methyl tert-butyl ether	U		0.000235	0.00111	1	03/27/2018 12:56	WG1089430
Naphthalene	U		0.00111	0.00555	1	03/27/2018 12:56	WG1089430
n-Propylbenzene	U		0.000229	0.00111	1	03/27/2018 12:56	WG1089430
Styrene	U		0.000260	0.00111	1	03/27/2018 12:56	WG1089430
1,1,1,2-Tetrachloroethane	U		0.000293	0.00111	1	03/27/2018 12:56	WG1089430
1,1,2,2-Tetrachloroethane	U		0.000405	0.00111	1	03/27/2018 12:56	WG1089430
1,1,2-Trichlorotrifluoroethane	U		0.000405	0.00111	1	03/27/2018 12:56	WG1089430
Tetrachloroethene	0.0179		0.000307	0.00111	1	03/27/2018 12:56	WG1089430
Toluene	U		0.000482	0.00555	1	03/27/2018 12:56	WG1089430
1,2,3-Trichlorobenzene	U		0.000340	0.00111	1	03/27/2018 12:56	WG1089430
1,2,4-Trichlorobenzene	U		0.000431	0.00111	1	03/27/2018 12:56	WG1089430
1,1,1-Trichloroethane	U		0.000318	0.00111	1	03/27/2018 12:56	WG1089430
1,1,2-Trichloroethane	U		0.000308	0.00111	1	03/27/2018 12:56	WG1089430
Trichloroethene	0.00761		0.000310	0.00111	1	03/27/2018 12:56	WG1089430
Trichlorofluoromethane	U UJ	J4	0.000424	0.00555	1	03/27/2018 12:56	WG1089430
1,2,3-Trichloropropane	U		0.000823	0.00278	1	03/27/2018 12:56	WG1089430
1,2,4-Trimethylbenzene	U		0.000234	0.00111	1	03/27/2018 12:56	WG1089430
1,2,3-Trimethylbenzene	U		0.000319	0.00111	1	03/27/2018 12:56	WG1089430
1,3,5-Trimethylbenzene	U		0.000295	0.00111	1	03/27/2018 12:56	WG1089430
Vinyl acetate	U	J4	0.00265	0.0111	1	03/27/2018 12:56	WG1089430
Vinyl chloride	0.00223		0.000323	0.00111	1	03/27/2018 12:56	WG1089430
Xylenes, Total	U		0.000775	0.00333	1	03/27/2018 12:56	WG1089430
(S) Toluene-d8	*108*			*80.0-120*		*03/27/2018 12:56*	WG1089430
(S) Dibromofluoromethane	*111*			*74.0-131*		*03/27/2018 12:56*	WG1089430
(S) 4-Bromofluorobenzene	*105*			*64.0-132*		*03/27/2018 12:56*	WG1089430

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ANALYTICAL REPORT

March 28, 2018

PES Environmental, Inc.- WA

Sample Delivery Group:	L979234
Samples Received:	03/21/2018
Project Number:	1413.001.05.304
Description:	American Linen Supply Project
Report To:	Brian O'Neal/Bill Haldeman 1215 Fourth Ave., Suite 1350 Seattle, WA 98161

Entire Report Reviewed By: Brian Ford

Brian Ford
Technical Service Representative

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by ESC is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.

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IW-19B-5 L979234-01 Solid

Collected by	Collected date/time	Received date/time
Rachel McLaughlin	03/19/18 09:55	03/21/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1089690	1	03/27/18 14:24	03/27/18 14:38	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1089430	1.08	03/19/18 09:55	03/27/18 13:17	LRL

IW-19B-10 L979234-02 Solid

Collected by	Collected date/time	Received date/time
Rachel McLaughlin	03/19/18 10:05	03/21/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1089690	1	03/27/18 14:24	03/27/18 14:38	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1089430	1	03/19/18 10:05	03/27/18 13:37	LRL

IW-19B-15 L979234-03 Solid

Collected by	Collected date/time	Received date/time
Rachel McLaughlin	03/19/18 10:15	03/21/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1089690	1	03/27/18 14:24	03/27/18 14:38	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1089430	1	03/19/18 10:15	03/28/18 13:03	DWR

IW-19B-20 L979234-04 Solid

Collected by	Collected date/time	Received date/time
Rachel McLaughlin	03/19/18 10:30	03/21/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1089690	1	03/27/18 14:24	03/27/18 14:38	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1089852	1	03/19/18 10:30	03/28/18 12:38	DWR

IW-19B-25 L979234-05 Solid

Collected by	Collected date/time	Received date/time
Rachel McLaughlin	03/19/18 10:40	03/21/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1089690	1	03/27/18 14:24	03/27/18 14:38	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1089852	1	03/19/18 10:40	03/28/18 12:59	DWR

IW-19B-30 L979234-06 Solid

Collected by	Collected date/time	Received date/time
Rachel McLaughlin	03/19/18 10:50	03/21/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1089690	1	03/27/18 14:24	03/27/18 14:38	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1089852	1	03/19/18 10:50	03/28/18 13:19	DWR

IW-19B-35 L979234-07 Solid

Collected by	Collected date/time	Received date/time
Rachel McLaughlin	03/19/18 10:55	03/21/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1089690	1	03/27/18 14:24	03/27/18 14:38	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1089852	1	03/19/18 10:55	03/28/18 13:40	DWR

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

IW-19B-40 L979234-08 Solid

Collected by	Collected date/time	Received date/time
Rachel McLaughlin	03/19/18 11:00	03/21/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1089690	1	03/27/18 14:24	03/27/18 14:38	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1089852	1	03/19/18 11:00	03/28/18 14:00	DWR

IW-19B-45 L979234-09 Solid

Collected by	Collected date/time	Received date/time
Rachel McLaughlin	03/19/18 11:10	03/21/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1089691	1	03/27/18 15:13	03/27/18 15:23	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1089852	1	03/19/18 11:10	03/28/18 14:22	DWR

IW-19B-50 L979234-10 Solid

Collected by	Collected date/time	Received date/time
Rachel McLaughlin	03/19/18 11:25	03/21/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1089691	1	03/27/18 15:13	03/27/18 15:23	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1089852	1.12	03/19/18 11:25	03/28/18 14:42	DWR

IW-19B-55 L979234-11 Solid

Collected by	Collected date/time	Received date/time
Rachel McLaughlin	03/19/18 11:30	03/21/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1089691	1	03/27/18 15:13	03/27/18 15:23	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1089852	1	03/19/18 11:30	03/28/18 15:03	DWR
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1089852	100	03/19/18 11:30	03/28/18 17:07	BMB

IW-19B-60 L979234-12 Solid

Collected by	Collected date/time	Received date/time
Rachel McLaughlin	03/19/18 11:40	03/21/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1089691	1	03/27/18 15:13	03/27/18 15:23	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1089852	1	03/19/18 11:40	03/28/18 15:23	DWR
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1089852	100	03/19/18 11:40	03/28/18 17:23	JAH

IW-19B-63 L979234-13 Solid

Collected by	Collected date/time	Received date/time
Rachel McLaughlin	03/19/18 11:55	03/21/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1089691	1	03/27/18 15:13	03/27/18 15:23	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1089852	1	03/19/18 11:55	03/28/18 15:44	DWR

IW-8B-5 L979234-14 Solid

Collected by	Collected date/time	Received date/time
Rachel McLaughlin	03/19/18 15:35	03/21/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1089691	1	03/27/18 15:13	03/27/18 15:23	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1089852	1	03/19/18 15:35	03/28/18 16:05	DWR

IW-8B-10 L979234-15 Solid

Collected by	Collected date/time	Received date/time
Rachel McLaughlin	03/19/18 15:50	03/21/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1089691	1	03/27/18 15:13	03/27/18 15:23	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1089852	1	03/19/18 15:50	03/28/18 16:36	DWR

IW-8B-15 L979234-16 Solid

Collected by	Collected date/time	Received date/time
Rachel McLaughlin	03/19/18 16:05	03/21/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1089691	1	03/27/18 15:13	03/27/18 15:23	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1090297	250	03/19/18 16:05	03/28/18 17:03	DWR

IW-8B-20 L979234-17 Solid

Collected by	Collected date/time	Received date/time
Rachel McLaughlin	03/19/18 16:10	03/21/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1089691	1	03/27/18 15:13	03/27/18 15:23	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1089430	1	03/19/18 16:10	03/28/18 00:40	LRL
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1089430	1000	03/19/18 16:10	03/28/18 13:12	DWR

IW-8B-25 L979234-18 Solid

Collected by	Collected date/time	Received date/time
Rachel McLaughlin	03/19/18 16:20	03/21/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1089691	1	03/27/18 15:13	03/27/18 15:23	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1089430	1	03/19/18 16:20	03/28/18 01:01	LRL
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1089430	100	03/19/18 16:20	03/28/18 12:32	DWR
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1089430	25	03/19/18 16:20	03/28/18 10:48	JHH

IW-903-60 L979234-19 Solid

Collected by	Collected date/time	Received date/time
Rachel McLaughlin	03/19/18 13:45	03/21/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1089692	1	03/27/18 08:59	03/27/18 09:07	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1089430	1	03/19/18 13:45	03/28/18 01:22	LRL
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1089430	50	03/19/18 13:45	03/28/18 11:08	JHH
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1089430	500	03/19/18 13:45	03/28/18 12:52	DWR

TRIP BLANK L979234-20 GW

Collected by	Collected date/time	Received date/time
Rachel McLaughlin	12/06/17 00:00	03/21/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1088093	1	03/22/18 15:05	03/22/18 15:05	LRL

IW-8B-30 L979234-21 Solid

Collected by	Collected date/time	Received date/time
Rachel McLaughlin	03/19/18 16:35	03/21/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1089692	1	03/27/18 08:59	03/27/18 09:07	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1090297	1	03/19/18 16:35	03/28/18 13:43	DWR
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1090297	50	03/19/18 16:35	03/28/18 17:06	AV

Collected by	Collected date/time	Received date/time
Rachel McLaughlin	03/19/18 17:00	03/21/18 08:45

IW-8B-40 L979234-22 Solid

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1089692	1	03/27/18 08:59	03/27/18 09:07	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1090297	1	03/19/18 17:00	03/28/18 14:03	DWR

Collected by	Collected date/time	Received date/time
Rachel McLaughlin	03/20/18 08:30	03/21/18 08:45

IW-8B-45 L979234-23 Solid

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1089692	1	03/27/18 08:59	03/27/18 09:07	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1090297	1	03/20/18 08:30	03/28/18 14:22	DWR

Collected by	Collected date/time	Received date/time
Rachel McLaughlin	03/20/18 08:40	03/21/18 08:45

IW-8B-50 L979234-24 Solid

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1089692	1	03/27/18 08:59	03/27/18 09:07	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1090297	1	03/20/18 08:40	03/28/18 14:42	DWR

Collected by	Collected date/time	Received date/time
Rachel McLaughlin	03/20/18 08:50	03/21/18 08:45

IW-8B-55 L979234-25 Solid

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1089692	1	03/27/18 08:59	03/27/18 09:07	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1090297	1	03/20/18 08:50	03/28/18 15:01	DWR

Collected by	Collected date/time	Received date/time
Rachel McLaughlin	03/20/18 09:00	03/21/18 08:45

IW-8B-60 L979234-26 Solid

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1089692	1	03/27/18 08:59	03/27/18 09:07	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1090297	1	03/20/18 09:00	03/28/18 15:21	DWR

Collected by	Collected date/time	Received date/time
Rachel McLaughlin	03/20/18 09:15	03/21/18 08:45

IW-8B-64 L979234-27 Solid

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1089692	1	03/27/18 08:59	03/27/18 09:07	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1090297	1	03/20/18 09:15	03/28/18 15:40	DWR

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All radiochemical sample results for solids are reported on a dry weight basis with the exception of tritium, carbon-14 and radon, unless wet weight was requested by the client. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Brian Ford

Brian Ford
Technical Service Representative

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	95.6		1	03/27/2018 14:38	WG1089690

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.0388	J	0.0113	0.0565	1.08	03/27/2018 13:17	WG1089430
Acrylonitrile	U		0.00202	0.0113	1.08	03/27/2018 13:17	WG1089430
Benzene	0.000797	J	0.000305	0.00113	1.08	03/27/2018 13:17	WG1089430
Bromobenzene	U		0.000321	0.00113	1.08	03/27/2018 13:17	WG1089430
Bromodichloromethane	U		0.000287	0.00113	1.08	03/27/2018 13:17	WG1089430
Bromochloromethane	U		0.000440	0.00565	1.08	03/27/2018 13:17	WG1089430
Bromoform	U		0.000479	0.00113	1.08	03/27/2018 13:17	WG1089430
Bromomethane	U		0.00152	0.00565	1.08	03/27/2018 13:17	WG1089430
n-Butylbenzene	U		0.000292	0.00113	1.08	03/27/2018 13:17	WG1089430
sec-Butylbenzene	U		0.000227	0.00113	1.08	03/27/2018 13:17	WG1089430
tert-Butylbenzene	U		0.000232	0.00113	1.08	03/27/2018 13:17	WG1089430
Carbon disulfide	0.00144		0.000250	0.00113	1.08	03/27/2018 13:17	WG1089430
Carbon tetrachloride	U		0.000370	0.00113	1.08	03/27/2018 13:17	WG1089430
Chlorobenzene	U		0.000240	0.00113	1.08	03/27/2018 13:17	WG1089430
Chlorodibromomethane	U		0.000421	0.00113	1.08	03/27/2018 13:17	WG1089430
Chloroethane	U		0.00107	0.00565	1.08	03/27/2018 13:17	WG1089430
Chloroform	U		0.000258	0.00565	1.08	03/27/2018 13:17	WG1089430
Chloromethane	U		0.000424	0.00282	1.08	03/27/2018 13:17	WG1089430
2-Chlorotoluene	U		0.000340	0.00113	1.08	03/27/2018 13:17	WG1089430
4-Chlorotoluene	U		0.000271	0.00113	1.08	03/27/2018 13:17	WG1089430
1,2-Dibromo-3-Chloropropane	U	J0	0.00118	0.00565	1.08	03/27/2018 13:17	WG1089430
1,2-Dibromoethane	U		0.000387	0.00113	1.08	03/27/2018 13:17	WG1089430
Dibromomethane	U		0.000431	0.00113	1.08	03/27/2018 13:17	WG1089430
1,2-Dichlorobenzene	U		0.000344	0.00113	1.08	03/27/2018 13:17	WG1089430
1,3-Dichlorobenzene	U		0.000270	0.00113	1.08	03/27/2018 13:17	WG1089430
1,4-Dichlorobenzene	U		0.000255	0.00113	1.08	03/27/2018 13:17	WG1089430
Dichlorodifluoromethane	U		0.000805	0.00565	1.08	03/27/2018 13:17	WG1089430
1,1-Dichloroethane	U		0.000225	0.00113	1.08	03/27/2018 13:17	WG1089430
1,2-Dichloroethane	U		0.000299	0.00113	1.08	03/27/2018 13:17	WG1089430
1,1-Dichloroethene	U		0.000342	0.00113	1.08	03/27/2018 13:17	WG1089430
cis-1,2-Dichloroethene	0.000961	J	0.000266	0.00113	1.08	03/27/2018 13:17	WG1089430
trans-1,2-Dichloroethene	U		0.000298	0.00113	1.08	03/27/2018 13:17	WG1089430
1,2-Dichloropropane	U		0.000405	0.00113	1.08	03/27/2018 13:17	WG1089430
1,1-Dichloropropene	U		0.000358	0.00113	1.08	03/27/2018 13:17	WG1089430
1,3-Dichloropropane	U		0.000234	0.00113	1.08	03/27/2018 13:17	WG1089430
cis-1,3-Dichloropropene	U		0.000296	0.00113	1.08	03/27/2018 13:17	WG1089430
trans-1,3-Dichloropropene	U		0.000301	0.00113	1.08	03/27/2018 13:17	WG1089430
trans-1,4-Dichloro-2-butene	U		0.000879	0.00282	1.08	03/27/2018 13:17	WG1089430
2,2-Dichloropropane	U		0.000315	0.00113	1.08	03/27/2018 13:17	WG1089430
Di-isopropyl ether	U		0.000280	0.00113	1.08	03/27/2018 13:17	WG1089430
Ethylbenzene	U		0.000336	0.00113	1.08	03/27/2018 13:17	WG1089430
Hexachloro-1,3-butadiene	U		0.000386	0.00113	1.08	03/27/2018 13:17	WG1089430
2-Hexanone	U	J0	0.00155	0.0113	1.08	03/27/2018 13:17	WG1089430
n-Hexane	U		0.000327	0.0113	1.08	03/27/2018 13:17	WG1089430
Iodomethane	U		0.00286	0.0113	1.08	03/27/2018 13:17	WG1089430
Isopropylbenzene	U		0.000274	0.00113	1.08	03/27/2018 13:17	WG1089430
p-Isopropyltoluene	U		0.000230	0.00113	1.08	03/27/2018 13:17	WG1089430
2-Butanone (MEK)	U		0.00528	0.0113	1.08	03/27/2018 13:17	WG1089430
Methylene Chloride	U		0.00113	0.00565	1.08	03/27/2018 13:17	WG1089430
4-Methyl-2-pentanone (MIBK)	U		0.00212	0.0113	1.08	03/27/2018 13:17	WG1089430

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000240	0.00113	1.08	03/27/2018 13:17	WG1089430
Naphthalene	U		0.00113	0.00565	1.08	03/27/2018 13:17	WG1089430
n-Propylbenzene	U		0.000232	0.00113	1.08	03/27/2018 13:17	WG1089430
Styrene	U		0.000265	0.00113	1.08	03/27/2018 13:17	WG1089430
1,1,1,2-Tetrachloroethane	U		0.000298	0.00113	1.08	03/27/2018 13:17	WG1089430
1,1,2,2-Tetrachloroethane	U		0.000412	0.00113	1.08	03/27/2018 13:17	WG1089430
1,1,2-Trichlorotrifluoroethane	U		0.000412	0.00113	1.08	03/27/2018 13:17	WG1089430
Tetrachloroethene	0.00478		0.000312	0.00113	1.08	03/27/2018 13:17	WG1089430
Toluene	U		0.000491	0.00565	1.08	03/27/2018 13:17	WG1089430
1,2,3-Trichlorobenzene	U		0.000345	0.00113	1.08	03/27/2018 13:17	WG1089430
1,2,4-Trichlorobenzene	U		0.000438	0.00113	1.08	03/27/2018 13:17	WG1089430
1,1,1-Trichloroethane	U		0.000323	0.00113	1.08	03/27/2018 13:17	WG1089430
1,1,2-Trichloroethane	U		0.000313	0.00113	1.08	03/27/2018 13:17	WG1089430
Trichloroethene	0.000961	J	0.000315	0.00113	1.08	03/27/2018 13:17	WG1089430
Trichlorofluoromethane	U	J4	0.000431	0.00565	1.08	03/27/2018 13:17	WG1089430
1,2,3-Trichloropropane	U		0.000837	0.00282	1.08	03/27/2018 13:17	WG1089430
1,2,4-Trimethylbenzene	U		0.000238	0.00113	1.08	03/27/2018 13:17	WG1089430
1,2,3-Trimethylbenzene	U		0.000324	0.00113	1.08	03/27/2018 13:17	WG1089430
1,3,5-Trimethylbenzene	U		0.000300	0.00113	1.08	03/27/2018 13:17	WG1089430
Vinyl acetate	U	J4	0.00270	0.0113	1.08	03/27/2018 13:17	WG1089430
Vinyl chloride	U		0.000328	0.00113	1.08	03/27/2018 13:17	WG1089430
Xylenes, Total	U		0.000789	0.00339	1.08	03/27/2018 13:17	WG1089430
(S) Toluene-d8	*101*			*80.0-120*		*03/27/2018 13:17*	WG1089430
(S) Dibromofluoromethane	*117*			*74.0-131*		*03/27/2018 13:17*	WG1089430
(S) 4-Bromofluorobenzene	*112*			*64.0-132*		*03/27/2018 13:17*	WG1089430

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	81.3		1	03/27/2018 14:38	WG1089690

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.115		0.0123	0.0615	1	03/27/2018 13:37	WG1089430
Acrylonitrile	U		0.00220	0.0123	1	03/27/2018 13:37	WG1089430
Benzene	0.000465	J	0.000332	0.00123	1	03/27/2018 13:37	WG1089430
Bromobenzene	U		0.000349	0.00123	1	03/27/2018 13:37	WG1089430
Bromodichloromethane	U		0.000313	0.00123	1	03/27/2018 13:37	WG1089430
Bromochloromethane	U		0.000480	0.00615	1	03/27/2018 13:37	WG1089430
Bromoform	U		0.000522	0.00123	1	03/27/2018 13:37	WG1089430
Bromomethane	U		0.00165	0.00615	1	03/27/2018 13:37	WG1089430
n-Butylbenzene	U		0.000317	0.00123	1	03/27/2018 13:37	WG1089430
sec-Butylbenzene	U		0.000247	0.00123	1	03/27/2018 13:37	WG1089430
tert-Butylbenzene	U		0.000253	0.00123	1	03/27/2018 13:37	WG1089430
Carbon disulfide	0.00196		0.000272	0.00123	1	03/27/2018 13:37	WG1089430
Carbon tetrachloride	U		0.000404	0.00123	1	03/27/2018 13:37	WG1089430
Chlorobenzene	U		0.000261	0.00123	1	03/27/2018 13:37	WG1089430
Chlorodibromomethane	U		0.000459	0.00123	1	03/27/2018 13:37	WG1089430
Chloroethane	U		0.00116	0.00615	1	03/27/2018 13:37	WG1089430
Chloroform	U		0.000282	0.00615	1	03/27/2018 13:37	WG1089430
Chloromethane	U		0.000461	0.00308	1	03/27/2018 13:37	WG1089430
2-Chlorotoluene	U		0.000370	0.00123	1	03/27/2018 13:37	WG1089430
4-Chlorotoluene	U		0.000295	0.00123	1	03/27/2018 13:37	WG1089430
1,2-Dibromo-3-Chloropropane	U	J0	0.00129	0.00615	1	03/27/2018 13:37	WG1089430
1,2-Dibromoethane	U		0.000422	0.00123	1	03/27/2018 13:37	WG1089430
Dibromomethane	U		0.000470	0.00123	1	03/27/2018 13:37	WG1089430
1,2-Dichlorobenzene	U		0.000375	0.00123	1	03/27/2018 13:37	WG1089430
1,3-Dichlorobenzene	U		0.000294	0.00123	1	03/27/2018 13:37	WG1089430
1,4-Dichlorobenzene	U		0.000278	0.00123	1	03/27/2018 13:37	WG1089430
Dichlorodifluoromethane	U		0.000877	0.00615	1	03/27/2018 13:37	WG1089430
1,1-Dichloroethane	U		0.000245	0.00123	1	03/27/2018 13:37	WG1089430
1,2-Dichloroethane	U		0.000326	0.00123	1	03/27/2018 13:37	WG1089430
1,1-Dichloroethene	U		0.000373	0.00123	1	03/27/2018 13:37	WG1089430
cis-1,2-Dichloroethene	0.000718	J	0.000289	0.00123	1	03/27/2018 13:37	WG1089430
trans-1,2-Dichloroethene	U		0.000325	0.00123	1	03/27/2018 13:37	WG1089430
1,2-Dichloropropane	U		0.000441	0.00123	1	03/27/2018 13:37	WG1089430
1,1-Dichloropropene	U		0.000390	0.00123	1	03/27/2018 13:37	WG1089430
1,3-Dichloropropane	U		0.000255	0.00123	1	03/27/2018 13:37	WG1089430
cis-1,3-Dichloropropene	U		0.000322	0.00123	1	03/27/2018 13:37	WG1089430
trans-1,3-Dichloropropene	U		0.000329	0.00123	1	03/27/2018 13:37	WG1089430
trans-1,4-Dichloro-2-butene	U		0.000957	0.00308	1	03/27/2018 13:37	WG1089430
2,2-Dichloropropane	U		0.000343	0.00123	1	03/27/2018 13:37	WG1089430
Di-isopropyl ether	U		0.000305	0.00123	1	03/27/2018 13:37	WG1089430
Ethylbenzene	U		0.000365	0.00123	1	03/27/2018 13:37	WG1089430
Hexachloro-1,3-butadiene	U		0.000421	0.00123	1	03/27/2018 13:37	WG1089430
2-Hexanone	U	J0	0.00169	0.0123	1	03/27/2018 13:37	WG1089430
n-Hexane	U		0.000357	0.0123	1	03/27/2018 13:37	WG1089430
Iodomethane	U		0.00311	0.0123	1	03/27/2018 13:37	WG1089430
Isopropylbenzene	U		0.000299	0.00123	1	03/27/2018 13:37	WG1089430
p-Isopropyltoluene	U		0.000251	0.00123	1	03/27/2018 13:37	WG1089430
2-Butanone (MEK)	0.0220		0.00576	0.0123	1	03/27/2018 13:37	WG1089430
Methylene Chloride	U		0.00123	0.00615	1	03/27/2018 13:37	WG1089430
4-Methyl-2-pentanone (MIBK)	U		0.00231	0.0123	1	03/27/2018 13:37	WG1089430

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000261	0.00123	1	03/27/2018 13:37	WG1089430
Naphthalene	U		0.00123	0.00615	1	03/27/2018 13:37	WG1089430
n-Propylbenzene	U		0.000253	0.00123	1	03/27/2018 13:37	WG1089430
Styrene	U		0.000288	0.00123	1	03/27/2018 13:37	WG1089430
1,1,1,2-Tetrachloroethane	U		0.000325	0.00123	1	03/27/2018 13:37	WG1089430
1,1,2,2-Tetrachloroethane	U		0.000449	0.00123	1	03/27/2018 13:37	WG1089430
1,1,2-Trichlorotrifluoroethane	U		0.000449	0.00123	1	03/27/2018 13:37	WG1089430
Tetrachloroethene	U		0.000340	0.00123	1	03/27/2018 13:37	WG1089430
Toluene	0.000980	J	0.000534	0.00615	1	03/27/2018 13:37	WG1089430
1,2,3-Trichlorobenzene	U		0.000377	0.00123	1	03/27/2018 13:37	WG1089430
1,2,4-Trichlorobenzene	U		0.000477	0.00123	1	03/27/2018 13:37	WG1089430
1,1,1-Trichloroethane	U		0.000352	0.00123	1	03/27/2018 13:37	WG1089430
1,1,2-Trichloroethane	U		0.000341	0.00123	1	03/27/2018 13:37	WG1089430
Trichloroethene	U		0.000343	0.00123	1	03/27/2018 13:37	WG1089430
Trichlorofluoromethane	U	J4	0.000470	0.00615	1	03/27/2018 13:37	WG1089430
1,2,3-Trichloropropane	U		0.000912	0.00308	1	03/27/2018 13:37	WG1089430
1,2,4-Trimethylbenzene	U		0.000260	0.00123	1	03/27/2018 13:37	WG1089430
1,2,3-Trimethylbenzene	U		0.000353	0.00123	1	03/27/2018 13:37	WG1089430
1,3,5-Trimethylbenzene	U		0.000327	0.00123	1	03/27/2018 13:37	WG1089430
Vinyl acetate	U	J4	0.00294	0.0123	1	03/27/2018 13:37	WG1089430
Vinyl chloride	U		0.000358	0.00123	1	03/27/2018 13:37	WG1089430
Xylenes, Total	U		0.000859	0.00369	1	03/27/2018 13:37	WG1089430
(S) Toluene-d8	*102*			*80.0-120*		*03/27/2018 13:37*	WG1089430
(S) Dibromofluoromethane	*116*			*74.0-131*		*03/27/2018 13:37*	WG1089430
(S) 4-Bromofluorobenzene	*112*			*64.0-132*		*03/27/2018 13:37*	WG1089430

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	87.3		1	03/27/2018 14:38	WG1089690

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.0119	J J0	0.0115	0.0573	1	03/28/2018 13:03	WG1089430
Acrylonitrile	U		0.00205	0.0115	1	03/28/2018 13:03	WG1089430
Benzene	U		0.000309	0.00115	1	03/28/2018 13:03	WG1089430
Bromobenzene	U		0.000325	0.00115	1	03/28/2018 13:03	WG1089430
Bromodichloromethane	U		0.000291	0.00115	1	03/28/2018 13:03	WG1089430
Bromochloromethane	U		0.000447	0.00573	1	03/28/2018 13:03	WG1089430
Bromoform	U	J0	0.000486	0.00115	1	03/28/2018 13:03	WG1089430
Bromomethane	U		0.00154	0.00573	1	03/28/2018 13:03	WG1089430
n-Butylbenzene	U		0.000296	0.00115	1	03/28/2018 13:03	WG1089430
sec-Butylbenzene	U		0.000230	0.00115	1	03/28/2018 13:03	WG1089430
tert-Butylbenzene	U		0.000236	0.00115	1	03/28/2018 13:03	WG1089430
Carbon disulfide	0.00135	J0	0.000253	0.00115	1	03/28/2018 13:03	WG1089430
Carbon tetrachloride	U		0.000376	0.00115	1	03/28/2018 13:03	WG1089430
Chlorobenzene	U		0.000243	0.00115	1	03/28/2018 13:03	WG1089430
Chlorodibromomethane	U		0.000427	0.00115	1	03/28/2018 13:03	WG1089430
Chloroethane	U		0.00108	0.00573	1	03/28/2018 13:03	WG1089430
Chloroform	U		0.000262	0.00573	1	03/28/2018 13:03	WG1089430
Chloromethane	U	J0	0.000430	0.00286	1	03/28/2018 13:03	WG1089430
2-Chlorotoluene	U		0.000345	0.00115	1	03/28/2018 13:03	WG1089430
4-Chlorotoluene	U		0.000275	0.00115	1	03/28/2018 13:03	WG1089430
1,2-Dibromo-3-Chloropropane	U		0.00120	0.00573	1	03/28/2018 13:03	WG1089430
1,2-Dibromoethane	U		0.000393	0.00115	1	03/28/2018 13:03	WG1089430
Dibromomethane	U		0.000438	0.00115	1	03/28/2018 13:03	WG1089430
1,2-Dichlorobenzene	U		0.000349	0.00115	1	03/28/2018 13:03	WG1089430
1,3-Dichlorobenzene	U		0.000274	0.00115	1	03/28/2018 13:03	WG1089430
1,4-Dichlorobenzene	U		0.000259	0.00115	1	03/28/2018 13:03	WG1089430
Dichlorodifluoromethane	U	J0	0.000817	0.00573	1	03/28/2018 13:03	WG1089430
1,1-Dichloroethane	U		0.000228	0.00115	1	03/28/2018 13:03	WG1089430
1,2-Dichloroethane	U		0.000304	0.00115	1	03/28/2018 13:03	WG1089430
1,1-Dichloroethene	U		0.000347	0.00115	1	03/28/2018 13:03	WG1089430
cis-1,2-Dichloroethene	0.000383	J	0.000269	0.00115	1	03/28/2018 13:03	WG1089430
trans-1,2-Dichloroethene	U		0.000302	0.00115	1	03/28/2018 13:03	WG1089430
1,2-Dichloropropane	U		0.000410	0.00115	1	03/28/2018 13:03	WG1089430
1,1-Dichloropropene	U		0.000363	0.00115	1	03/28/2018 13:03	WG1089430
1,3-Dichloropropane	U		0.000237	0.00115	1	03/28/2018 13:03	WG1089430
cis-1,3-Dichloropropene	U		0.000300	0.00115	1	03/28/2018 13:03	WG1089430
trans-1,3-Dichloropropene	U		0.000306	0.00115	1	03/28/2018 13:03	WG1089430
trans-1,4-Dichloro-2-butene	U	J0	0.000891	0.00286	1	03/28/2018 13:03	WG1089430
2,2-Dichloropropane	U		0.000320	0.00115	1	03/28/2018 13:03	WG1089430
Di-isopropyl ether	U	J0	0.000284	0.00115	1	03/28/2018 13:03	WG1089430
Ethylbenzene	U		0.000340	0.00115	1	03/28/2018 13:03	WG1089430
Hexachloro-1,3-butadiene	U		0.000392	0.00115	1	03/28/2018 13:03	WG1089430
2-Hexanone	U		0.00157	0.0115	1	03/28/2018 13:03	WG1089430
n-Hexane	U		0.000332	0.0115	1	03/28/2018 13:03	WG1089430
Iodomethane	U		0.00290	0.0115	1	03/28/2018 13:03	WG1089430
Isopropylbenzene	U		0.000278	0.00115	1	03/28/2018 13:03	WG1089430
p-Isopropyltoluene	U		0.000234	0.00115	1	03/28/2018 13:03	WG1089430
2-Butanone (MEK)	U	J0	0.00536	0.0115	1	03/28/2018 13:03	WG1089430
Methylene Chloride	U		0.00115	0.00573	1	03/28/2018 13:03	WG1089430
4-Methyl-2-pentanone (MIBK)	U		0.00215	0.0115	1	03/28/2018 13:03	WG1089430

IW-19B-15

Collected date/time: 03/19/18 10:15

SAMPLE RESULTS - 03

L979234

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000243	0.00115	1	03/28/2018 13:03	WG1089430
Naphthalene	U		0.00115	0.00573	1	03/28/2018 13:03	WG1089430
n-Propylbenzene	U		0.000236	0.00115	1	03/28/2018 13:03	WG1089430
Styrene	U		0.000268	0.00115	1	03/28/2018 13:03	WG1089430
1,1,1,2-Tetrachloroethane	U		0.000302	0.00115	1	03/28/2018 13:03	WG1089430
1,1,2,2-Tetrachloroethane	U		0.000418	0.00115	1	03/28/2018 13:03	WG1089430
1,1,2-Trichlorotrifluoroethane	U		0.000418	0.00115	1	03/28/2018 13:03	WG1089430
Tetrachloroethene	0.00104	J	0.000316	0.00115	1	03/28/2018 13:03	WG1089430
Toluene	U		0.000497	0.00573	1	03/28/2018 13:03	WG1089430
1,2,3-Trichlorobenzene	U		0.000351	0.00115	1	03/28/2018 13:03	WG1089430
1,2,4-Trichlorobenzene	U		0.000445	0.00115	1	03/28/2018 13:03	WG1089430
1,1,1-Trichloroethane	U		0.000328	0.00115	1	03/28/2018 13:03	WG1089430
1,1,2-Trichloroethane	U		0.000317	0.00115	1	03/28/2018 13:03	WG1089430
Trichloroethene	U		0.000320	0.00115	1	03/28/2018 13:03	WG1089430
Trichlorofluoromethane	U	J4	0.000438	0.00573	1	03/28/2018 13:03	WG1089430
1,2,3-Trichloropropane	U		0.000849	0.00286	1	03/28/2018 13:03	WG1089430
1,2,4-Trimethylbenzene	U		0.000242	0.00115	1	03/28/2018 13:03	WG1089430
1,2,3-Trimethylbenzene	U		0.000329	0.00115	1	03/28/2018 13:03	WG1089430
1,3,5-Trimethylbenzene	U		0.000305	0.00115	1	03/28/2018 13:03	WG1089430
Vinyl acetate	U	J4	0.00274	0.0115	1	03/28/2018 13:03	WG1089430
Vinyl chloride	U		0.000333	0.00115	1	03/28/2018 13:03	WG1089430
Xylenes, Total	U		0.000800	0.00344	1	03/28/2018 13:03	WG1089430
(S) Toluene-d8	*104*			*80.0-120*		*03/28/2018 13:03*	WG1089430
(S) Dibromofluoromethane	*103*			*74.0-131*		*03/28/2018 13:03*	WG1089430
(S) 4-Bromofluorobenzene	*96.0*			*64.0-132*		*03/28/2018 13:03*	WG1089430

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	89.5		1	03/27/2018 14:38	WG1089690

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.0126	J J0	0.0112	0.0558	1	03/28/2018 12:38	WG1089852
Acrylonitrile	U		0.00200	0.0112	1	03/28/2018 12:38	WG1089852
Benzene	U		0.000302	0.00112	1	03/28/2018 12:38	WG1089852
Bromobenzene	U		0.000317	0.00112	1	03/28/2018 12:38	WG1089852
Bromodichloromethane	U		0.000284	0.00112	1	03/28/2018 12:38	WG1089852
Bromochloromethane	U	J4	0.000436	0.00558	1	03/28/2018 12:38	WG1089852
Bromoform	U		0.000473	0.00112	1	03/28/2018 12:38	WG1089852
Bromomethane	U		0.00150	0.00558	1	03/28/2018 12:38	WG1089852
n-Butylbenzene	U		0.000288	0.00112	1	03/28/2018 12:38	WG1089852
sec-Butylbenzene	U		0.000224	0.00112	1	03/28/2018 12:38	WG1089852
tert-Butylbenzene	U		0.000230	0.00112	1	03/28/2018 12:38	WG1089852
Carbon disulfide	0.00254		0.000247	0.00112	1	03/28/2018 12:38	WG1089852
Carbon tetrachloride	U		0.000366	0.00112	1	03/28/2018 12:38	WG1089852
Chlorobenzene	U		0.000237	0.00112	1	03/28/2018 12:38	WG1089852
Chlorodibromomethane	U		0.000417	0.00112	1	03/28/2018 12:38	WG1089852
Chloroethane	U		0.00106	0.00558	1	03/28/2018 12:38	WG1089852
Chloroform	U		0.000256	0.00558	1	03/28/2018 12:38	WG1089852
Chloromethane	U		0.000419	0.00279	1	03/28/2018 12:38	WG1089852
2-Chlorotoluene	U		0.000336	0.00112	1	03/28/2018 12:38	WG1089852
4-Chlorotoluene	U		0.000268	0.00112	1	03/28/2018 12:38	WG1089852
1,2-Dibromo-3-Chloropropane	U		0.00117	0.00558	1	03/28/2018 12:38	WG1089852
1,2-Dibromoethane	U		0.000383	0.00112	1	03/28/2018 12:38	WG1089852
Dibromomethane	U		0.000427	0.00112	1	03/28/2018 12:38	WG1089852
1,2-Dichlorobenzene	U		0.000341	0.00112	1	03/28/2018 12:38	WG1089852
1,3-Dichlorobenzene	U		0.000267	0.00112	1	03/28/2018 12:38	WG1089852
1,4-Dichlorobenzene	U		0.000252	0.00112	1	03/28/2018 12:38	WG1089852
Dichlorodifluoromethane	U		0.000796	0.00558	1	03/28/2018 12:38	WG1089852
1,1-Dichloroethane	U		0.000222	0.00112	1	03/28/2018 12:38	WG1089852
1,2-Dichloroethane	U		0.000296	0.00112	1	03/28/2018 12:38	WG1089852
1,1-Dichloroethene	U		0.000338	0.00112	1	03/28/2018 12:38	WG1089852
cis-1,2-Dichloroethene	0.000349	J	0.000262	0.00112	1	03/28/2018 12:38	WG1089852
trans-1,2-Dichloroethene	U		0.000295	0.00112	1	03/28/2018 12:38	WG1089852
1,2-Dichloropropane	U		0.000400	0.00112	1	03/28/2018 12:38	WG1089852
1,1-Dichloropropene	U		0.000354	0.00112	1	03/28/2018 12:38	WG1089852
1,3-Dichloropropane	U		0.000231	0.00112	1	03/28/2018 12:38	WG1089852
cis-1,3-Dichloropropene	U		0.000293	0.00112	1	03/28/2018 12:38	WG1089852
trans-1,3-Dichloropropene	U		0.000298	0.00112	1	03/28/2018 12:38	WG1089852
trans-1,4-Dichloro-2-butene	U		0.000869	0.00279	1	03/28/2018 12:38	WG1089852
2,2-Dichloropropane	U		0.000312	0.00112	1	03/28/2018 12:38	WG1089852
Di-isopropyl ether	U		0.000277	0.00112	1	03/28/2018 12:38	WG1089852
Ethylbenzene	U		0.000332	0.00112	1	03/28/2018 12:38	WG1089852
Hexachloro-1,3-butadiene	U		0.000382	0.00112	1	03/28/2018 12:38	WG1089852
2-Hexanone	U		0.00153	0.0112	1	03/28/2018 12:38	WG1089852
n-Hexane	U		0.000324	0.0112	1	03/28/2018 12:38	WG1089852
Iodomethane	U		0.00283	0.0112	1	03/28/2018 12:38	WG1089852
Isopropylbenzene	U		0.000271	0.00112	1	03/28/2018 12:38	WG1089852
p-Isopropyltoluene	U		0.000228	0.00112	1	03/28/2018 12:38	WG1089852
2-Butanone (MEK)	U		0.00523	0.0112	1	03/28/2018 12:38	WG1089852
Methylene Chloride	U		0.00112	0.00558	1	03/28/2018 12:38	WG1089852
4-Methyl-2-pentanone (MIBK)	U		0.00210	0.0112	1	03/28/2018 12:38	WG1089852

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000237	0.00112	1	03/28/2018 12:38	WG1089852
Naphthalene	U		0.00112	0.00558	1	03/28/2018 12:38	WG1089852
n-Propylbenzene	U		0.000230	0.00112	1	03/28/2018 12:38	WG1089852
Styrene	U		0.000261	0.00112	1	03/28/2018 12:38	WG1089852
1,1,1,2-Tetrachloroethane	U		0.000295	0.00112	1	03/28/2018 12:38	WG1089852
1,1,2,2-Tetrachloroethane	U		0.000408	0.00112	1	03/28/2018 12:38	WG1089852
1,1,2-Trichlorotrifluoroethane	U		0.000408	0.00112	1	03/28/2018 12:38	WG1089852
Tetrachloroethene	0.000942	J	0.000308	0.00112	1	03/28/2018 12:38	WG1089852
Toluene	U		0.000485	0.00558	1	03/28/2018 12:38	WG1089852
1,2,3-Trichlorobenzene	U	J4	0.000342	0.00112	1	03/28/2018 12:38	WG1089852
1,2,4-Trichlorobenzene	U	J4	0.000433	0.00112	1	03/28/2018 12:38	WG1089852
1,1,1-Trichloroethane	U		0.000319	0.00112	1	03/28/2018 12:38	WG1089852
1,1,2-Trichloroethane	U		0.000309	0.00112	1	03/28/2018 12:38	WG1089852
Trichloroethene	U		0.000312	0.00112	1	03/28/2018 12:38	WG1089852
Trichlorofluoromethane	U		0.000427	0.00558	1	03/28/2018 12:38	WG1089852
1,2,3-Trichloropropane	U		0.000827	0.00279	1	03/28/2018 12:38	WG1089852
1,2,4-Trimethylbenzene	U		0.000236	0.00112	1	03/28/2018 12:38	WG1089852
1,2,3-Trimethylbenzene	U		0.000320	0.00112	1	03/28/2018 12:38	WG1089852
1,3,5-Trimethylbenzene	U		0.000297	0.00112	1	03/28/2018 12:38	WG1089852
Vinyl acetate	U	J4	0.00267	0.0112	1	03/28/2018 12:38	WG1089852
Vinyl chloride	U		0.000325	0.00112	1	03/28/2018 12:38	WG1089852
Xylenes, Total	U		0.000779	0.00335	1	03/28/2018 12:38	WG1089852
(S) Toluene-d8	*101*			*80.0-120*		*03/28/2018 12:38*	WG1089852
(S) Dibromofluoromethane	*114*			*74.0-131*		*03/28/2018 12:38*	WG1089852
(S) 4-Bromofluorobenzene	*109*			*64.0-132*		*03/28/2018 12:38*	WG1089852

IW-19B-25

Collected date/time: 03/19/18 10:40

SAMPLE RESULTS - 05

L979234

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	85.2		1	03/27/2018 14:38	WG1089690

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.0157	J J0	0.0117	0.0587	1	03/28/2018 12:59	WG1089852
Acrylonitrile	U		0.00210	0.0117	1	03/28/2018 12:59	WG1089852
Benzene	U		0.000317	0.00117	1	03/28/2018 12:59	WG1089852
Bromobenzene	U		0.000333	0.00117	1	03/28/2018 12:59	WG1089852
Bromodichloromethane	U		0.000298	0.00117	1	03/28/2018 12:59	WG1089852
Bromochloromethane	U	J4	0.000458	0.00587	1	03/28/2018 12:59	WG1089852
Bromoform	U		0.000498	0.00117	1	03/28/2018 12:59	WG1089852
Bromomethane	U		0.00157	0.00587	1	03/28/2018 12:59	WG1089852
n-Butylbenzene	U		0.000303	0.00117	1	03/28/2018 12:59	WG1089852
sec-Butylbenzene	U		0.000236	0.00117	1	03/28/2018 12:59	WG1089852
tert-Butylbenzene	U		0.000242	0.00117	1	03/28/2018 12:59	WG1089852
Carbon disulfide	0.00388		0.000259	0.00117	1	03/28/2018 12:59	WG1089852
Carbon tetrachloride	U		0.000385	0.00117	1	03/28/2018 12:59	WG1089852
Chlorobenzene	U		0.000249	0.00117	1	03/28/2018 12:59	WG1089852
Chlorodibromomethane	U		0.000438	0.00117	1	03/28/2018 12:59	WG1089852
Chloroethane	U		0.00111	0.00587	1	03/28/2018 12:59	WG1089852
Chloroform	0.00122	J	0.000269	0.00587	1	03/28/2018 12:59	WG1089852
Chloromethane	U		0.000440	0.00293	1	03/28/2018 12:59	WG1089852
2-Chlorotoluene	U		0.000353	0.00117	1	03/28/2018 12:59	WG1089852
4-Chlorotoluene	U		0.000282	0.00117	1	03/28/2018 12:59	WG1089852
1,2-Dibromo-3-Chloropropane	U		0.00123	0.00587	1	03/28/2018 12:59	WG1089852
1,2-Dibromoethane	U		0.000403	0.00117	1	03/28/2018 12:59	WG1089852
Dibromomethane	U		0.000448	0.00117	1	03/28/2018 12:59	WG1089852
1,2-Dichlorobenzene	U		0.000358	0.00117	1	03/28/2018 12:59	WG1089852
1,3-Dichlorobenzene	U		0.000281	0.00117	1	03/28/2018 12:59	WG1089852
1,4-Dichlorobenzene	U		0.000265	0.00117	1	03/28/2018 12:59	WG1089852
Dichlorodifluoromethane	U		0.000837	0.00587	1	03/28/2018 12:59	WG1089852
1,1-Dichloroethane	U		0.000234	0.00117	1	03/28/2018 12:59	WG1089852
1,2-Dichloroethane	U		0.000311	0.00117	1	03/28/2018 12:59	WG1089852
1,1-Dichloroethene	U		0.000356	0.00117	1	03/28/2018 12:59	WG1089852
cis-1,2-Dichloroethene	0.000621	J	0.000276	0.00117	1	03/28/2018 12:59	WG1089852
trans-1,2-Dichloroethene	U		0.000310	0.00117	1	03/28/2018 12:59	WG1089852
1,2-Dichloropropane	U		0.000420	0.00117	1	03/28/2018 12:59	WG1089852
1,1-Dichloropropene	U		0.000372	0.00117	1	03/28/2018 12:59	WG1089852
1,3-Dichloropropane	U		0.000243	0.00117	1	03/28/2018 12:59	WG1089852
cis-1,3-Dichloropropene	U		0.000308	0.00117	1	03/28/2018 12:59	WG1089852
trans-1,3-Dichloropropene	U		0.000313	0.00117	1	03/28/2018 12:59	WG1089852
trans-1,4-Dichloro-2-butene	U		0.000913	0.00293	1	03/28/2018 12:59	WG1089852
2,2-Dichloropropane	U		0.000327	0.00117	1	03/28/2018 12:59	WG1089852
Di-isopropyl ether	U		0.000291	0.00117	1	03/28/2018 12:59	WG1089852
Ethylbenzene	U		0.000349	0.00117	1	03/28/2018 12:59	WG1089852
Hexachloro-1,3-butadiene	U		0.000401	0.00117	1	03/28/2018 12:59	WG1089852
2-Hexanone	U		0.00161	0.0117	1	03/28/2018 12:59	WG1089852
n-Hexane	U		0.000340	0.0117	1	03/28/2018 12:59	WG1089852
Iodomethane	U		0.00297	0.0117	1	03/28/2018 12:59	WG1089852
Isopropylbenzene	U		0.000285	0.00117	1	03/28/2018 12:59	WG1089852
p-Isopropyltoluene	U		0.000239	0.00117	1	03/28/2018 12:59	WG1089852
2-Butanone (MEK)	U		0.00549	0.0117	1	03/28/2018 12:59	WG1089852
Methylene Chloride	U		0.00117	0.00587	1	03/28/2018 12:59	WG1089852
4-Methyl-2-pentanone (MIBK)	U		0.00221	0.0117	1	03/28/2018 12:59	WG1089852

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000249	0.00117	1	03/28/2018 12:59	WG1089852
Naphthalene	U		0.00117	0.00587	1	03/28/2018 12:59	WG1089852
n-Propylbenzene	U		0.000242	0.00117	1	03/28/2018 12:59	WG1089852
Styrene	U		0.000275	0.00117	1	03/28/2018 12:59	WG1089852
1,1,1,2-Tetrachloroethane	U		0.000310	0.00117	1	03/28/2018 12:59	WG1089852
1,1,2,2-Tetrachloroethane	U		0.000428	0.00117	1	03/28/2018 12:59	WG1089852
1,1,2-Trichlorotrifluoroethane	U		0.000428	0.00117	1	03/28/2018 12:59	WG1089852
Tetrachloroethene	0.00166		0.000324	0.00117	1	03/28/2018 12:59	WG1089852
Toluene	U		0.000509	0.00587	1	03/28/2018 12:59	WG1089852
1,2,3-Trichlorobenzene	U	J4	0.000359	0.00117	1	03/28/2018 12:59	WG1089852
1,2,4-Trichlorobenzene	U	J4	0.000455	0.00117	1	03/28/2018 12:59	WG1089852
1,1,1-Trichloroethane	U		0.000336	0.00117	1	03/28/2018 12:59	WG1089852
1,1,2-Trichloroethane	U		0.000325	0.00117	1	03/28/2018 12:59	WG1089852
Trichloroethene	0.000434	J	0.000327	0.00117	1	03/28/2018 12:59	WG1089852
Trichlorofluoromethane	U		0.000448	0.00587	1	03/28/2018 12:59	WG1089852
1,2,3-Trichloropropane	U		0.000870	0.00293	1	03/28/2018 12:59	WG1089852
1,2,4-Trimethylbenzene	U		0.000248	0.00117	1	03/28/2018 12:59	WG1089852
1,2,3-Trimethylbenzene	U		0.000337	0.00117	1	03/28/2018 12:59	WG1089852
1,3,5-Trimethylbenzene	U		0.000312	0.00117	1	03/28/2018 12:59	WG1089852
Vinyl acetate	U	J4	0.00281	0.0117	1	03/28/2018 12:59	WG1089852
Vinyl chloride	U		0.000342	0.00117	1	03/28/2018 12:59	WG1089852
Xylenes, Total	U		0.000819	0.00352	1	03/28/2018 12:59	WG1089852
(S) Toluene-d8	*99.3*			*80.0-120*		*03/28/2018 12:59*	WG1089852
(S) Dibromofluoromethane	*116*			*74.0-131*		*03/28/2018 12:59*	WG1089852
(S) 4-Bromofluorobenzene	*107*			*64.0-132*		*03/28/2018 12:59*	WG1089852

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	89.0		1	03/27/2018 14:38	WG1089690

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.0139	J J0	0.0112	0.0562	1	03/28/2018 13:19	WG1089852
Acrylonitrile	U		0.00201	0.0112	1	03/28/2018 13:19	WG1089852
Benzene	U		0.000303	0.00112	1	03/28/2018 13:19	WG1089852
Bromobenzene	U		0.000319	0.00112	1	03/28/2018 13:19	WG1089852
Bromodichloromethane	U		0.000285	0.00112	1	03/28/2018 13:19	WG1089852
Bromochloromethane	U	J4	0.000438	0.00562	1	03/28/2018 13:19	WG1089852
Bromoform	U		0.000476	0.00112	1	03/28/2018 13:19	WG1089852
Bromomethane	U		0.00150	0.00562	1	03/28/2018 13:19	WG1089852
n-Butylbenzene	U		0.000290	0.00112	1	03/28/2018 13:19	WG1089852
sec-Butylbenzene	U		0.000226	0.00112	1	03/28/2018 13:19	WG1089852
tert-Butylbenzene	U		0.000231	0.00112	1	03/28/2018 13:19	WG1089852
Carbon disulfide	0.000756	J	0.000248	0.00112	1	03/28/2018 13:19	WG1089852
Carbon tetrachloride	U		0.000368	0.00112	1	03/28/2018 13:19	WG1089852
Chlorobenzene	U		0.000238	0.00112	1	03/28/2018 13:19	WG1089852
Chlorodibromomethane	U		0.000419	0.00112	1	03/28/2018 13:19	WG1089852
Chloroethane	U		0.00106	0.00562	1	03/28/2018 13:19	WG1089852
Chloroform	U		0.000257	0.00562	1	03/28/2018 13:19	WG1089852
Chloromethane	U		0.000421	0.00281	1	03/28/2018 13:19	WG1089852
2-Chlorotoluene	U		0.000338	0.00112	1	03/28/2018 13:19	WG1089852
4-Chlorotoluene	U		0.000270	0.00112	1	03/28/2018 13:19	WG1089852
1,2-Dibromo-3-Chloropropane	U		0.00118	0.00562	1	03/28/2018 13:19	WG1089852
1,2-Dibromoethane	U		0.000385	0.00112	1	03/28/2018 13:19	WG1089852
Dibromomethane	U		0.000429	0.00112	1	03/28/2018 13:19	WG1089852
1,2-Dichlorobenzene	U		0.000343	0.00112	1	03/28/2018 13:19	WG1089852
1,3-Dichlorobenzene	U		0.000268	0.00112	1	03/28/2018 13:19	WG1089852
1,4-Dichlorobenzene	U		0.000254	0.00112	1	03/28/2018 13:19	WG1089852
Dichlorodifluoromethane	U		0.000801	0.00562	1	03/28/2018 13:19	WG1089852
1,1-Dichloroethane	U		0.000224	0.00112	1	03/28/2018 13:19	WG1089852
1,2-Dichloroethane	U		0.000298	0.00112	1	03/28/2018 13:19	WG1089852
1,1-Dichloroethene	U		0.000340	0.00112	1	03/28/2018 13:19	WG1089852
cis-1,2-Dichloroethene	0.000600	J	0.000264	0.00112	1	03/28/2018 13:19	WG1089852
trans-1,2-Dichloroethene	U		0.000297	0.00112	1	03/28/2018 13:19	WG1089852
1,2-Dichloropropane	U		0.000402	0.00112	1	03/28/2018 13:19	WG1089852
1,1-Dichloropropene	U		0.000356	0.00112	1	03/28/2018 13:19	WG1089852
1,3-Dichloropropane	U		0.000232	0.00112	1	03/28/2018 13:19	WG1089852
cis-1,3-Dichloropropene	U		0.000294	0.00112	1	03/28/2018 13:19	WG1089852
trans-1,3-Dichloropropene	U		0.000300	0.00112	1	03/28/2018 13:19	WG1089852
trans-1,4-Dichloro-2-butene	U		0.000874	0.00281	1	03/28/2018 13:19	WG1089852
2,2-Dichloropropane	U		0.000313	0.00112	1	03/28/2018 13:19	WG1089852
Di-isopropyl ether	U		0.000279	0.00112	1	03/28/2018 13:19	WG1089852
Ethylbenzene	U		0.000334	0.00112	1	03/28/2018 13:19	WG1089852
Hexachloro-1,3-butadiene	U		0.000384	0.00112	1	03/28/2018 13:19	WG1089852
2-Hexanone	U		0.00154	0.0112	1	03/28/2018 13:19	WG1089852
n-Hexane	0.000793	J	0.000326	0.0112	1	03/28/2018 13:19	WG1089852
Iodomethane	U		0.00284	0.0112	1	03/28/2018 13:19	WG1089852
Isopropylbenzene	U		0.000273	0.00112	1	03/28/2018 13:19	WG1089852
p-Isopropyltoluene	U		0.000229	0.00112	1	03/28/2018 13:19	WG1089852
2-Butanone (MEK)	U		0.00526	0.0112	1	03/28/2018 13:19	WG1089852
Methylene Chloride	U		0.00112	0.00562	1	03/28/2018 13:19	WG1089852
4-Methyl-2-pentanone (MIBK)	U		0.00211	0.0112	1	03/28/2018 13:19	WG1089852

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000238	0.00112	1	03/28/2018 13:19	WG1089852
Naphthalene	U		0.00112	0.00562	1	03/28/2018 13:19	WG1089852
n-Propylbenzene	U		0.000231	0.00112	1	03/28/2018 13:19	WG1089852
Styrene	U		0.000263	0.00112	1	03/28/2018 13:19	WG1089852
1,1,1,2-Tetrachloroethane	U		0.000297	0.00112	1	03/28/2018 13:19	WG1089852
1,1,2,2-Tetrachloroethane	U		0.000410	0.00112	1	03/28/2018 13:19	WG1089852
1,1,2-Trichlorotrifluoroethane	U		0.000410	0.00112	1	03/28/2018 13:19	WG1089852
Tetrachloroethene	U		0.000310	0.00112	1	03/28/2018 13:19	WG1089852
Toluene	U		0.000487	0.00562	1	03/28/2018 13:19	WG1089852
1,2,3-Trichlorobenzene	U	J4	0.000344	0.00112	1	03/28/2018 13:19	WG1089852
1,2,4-Trichlorobenzene	U	J4	0.000436	0.00112	1	03/28/2018 13:19	WG1089852
1,1,1-Trichloroethane	U		0.000321	0.00112	1	03/28/2018 13:19	WG1089852
1,1,2-Trichloroethane	U		0.000311	0.00112	1	03/28/2018 13:19	WG1089852
Trichloroethene	U		0.000313	0.00112	1	03/28/2018 13:19	WG1089852
Trichlorofluoromethane	U		0.000429	0.00562	1	03/28/2018 13:19	WG1089852
1,2,3-Trichloropropane	U		0.000832	0.00281	1	03/28/2018 13:19	WG1089852
1,2,4-Trimethylbenzene	U		0.000237	0.00112	1	03/28/2018 13:19	WG1089852
1,2,3-Trimethylbenzene	U		0.000322	0.00112	1	03/28/2018 13:19	WG1089852
1,3,5-Trimethylbenzene	U		0.000299	0.00112	1	03/28/2018 13:19	WG1089852
Vinyl acetate	U	J4	0.00268	0.0112	1	03/28/2018 13:19	WG1089852
Vinyl chloride	U		0.000327	0.00112	1	03/28/2018 13:19	WG1089852
Xylenes, Total	U		0.000784	0.00337	1	03/28/2018 13:19	WG1089852
(S) Toluene-d8	*104*			*80.0-120*		*03/28/2018 13:19*	WG1089852
(S) Dibromofluoromethane	*116*			*74.0-131*		*03/28/2018 13:19*	WG1089852
(S) 4-Bromofluorobenzene	*108*			*64.0-132*		*03/28/2018 13:19*	WG1089852

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	90.2		1	03/27/2018 14:38	WG1089690

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.0145	J J0	0.0111	0.0555	1	03/28/2018 13:40	WG1089852
Acrylonitrile	U		0.00199	0.0111	1	03/28/2018 13:40	WG1089852
Benzene	U		0.000299	0.00111	1	03/28/2018 13:40	WG1089852
Bromobenzene	U		0.000315	0.00111	1	03/28/2018 13:40	WG1089852
Bromodichloromethane	U		0.000282	0.00111	1	03/28/2018 13:40	WG1089852
Bromochloromethane	U	J4	0.000433	0.00555	1	03/28/2018 13:40	WG1089852
Bromoform	U		0.000470	0.00111	1	03/28/2018 13:40	WG1089852
Bromomethane	U		0.00149	0.00555	1	03/28/2018 13:40	WG1089852
n-Butylbenzene	U		0.000286	0.00111	1	03/28/2018 13:40	WG1089852
sec-Butylbenzene	U		0.000223	0.00111	1	03/28/2018 13:40	WG1089852
tert-Butylbenzene	U		0.000228	0.00111	1	03/28/2018 13:40	WG1089852
Carbon disulfide	0.00330		0.000245	0.00111	1	03/28/2018 13:40	WG1089852
Carbon tetrachloride	U		0.000364	0.00111	1	03/28/2018 13:40	WG1089852
Chlorobenzene	U		0.000235	0.00111	1	03/28/2018 13:40	WG1089852
Chlorodibromomethane	U		0.000414	0.00111	1	03/28/2018 13:40	WG1089852
Chloroethane	U		0.00105	0.00555	1	03/28/2018 13:40	WG1089852
Chloroform	0.000438	J	0.000254	0.00555	1	03/28/2018 13:40	WG1089852
Chloromethane	U		0.000416	0.00277	1	03/28/2018 13:40	WG1089852
2-Chlorotoluene	U		0.000334	0.00111	1	03/28/2018 13:40	WG1089852
4-Chlorotoluene	U		0.000266	0.00111	1	03/28/2018 13:40	WG1089852
1,2-Dibromo-3-Chloropropane	U		0.00116	0.00555	1	03/28/2018 13:40	WG1089852
1,2-Dibromoethane	U		0.000380	0.00111	1	03/28/2018 13:40	WG1089852
Dibromomethane	U		0.000424	0.00111	1	03/28/2018 13:40	WG1089852
1,2-Dichlorobenzene	U		0.000338	0.00111	1	03/28/2018 13:40	WG1089852
1,3-Dichlorobenzene	U		0.000265	0.00111	1	03/28/2018 13:40	WG1089852
1,4-Dichlorobenzene	U		0.000251	0.00111	1	03/28/2018 13:40	WG1089852
Dichlorodifluoromethane	U		0.000791	0.00555	1	03/28/2018 13:40	WG1089852
1,1-Dichloroethane	U		0.000221	0.00111	1	03/28/2018 13:40	WG1089852
1,2-Dichloroethane	U		0.000294	0.00111	1	03/28/2018 13:40	WG1089852
1,1-Dichloroethene	U		0.000336	0.00111	1	03/28/2018 13:40	WG1089852
cis-1,2-Dichloroethene	0.000786	J	0.000261	0.00111	1	03/28/2018 13:40	WG1089852
trans-1,2-Dichloroethene	U		0.000293	0.00111	1	03/28/2018 13:40	WG1089852
1,2-Dichloropropane	U		0.000397	0.00111	1	03/28/2018 13:40	WG1089852
1,1-Dichloropropene	U		0.000352	0.00111	1	03/28/2018 13:40	WG1089852
1,3-Dichloropropane	U		0.000230	0.00111	1	03/28/2018 13:40	WG1089852
cis-1,3-Dichloropropene	U		0.000291	0.00111	1	03/28/2018 13:40	WG1089852
trans-1,3-Dichloropropene	U		0.000296	0.00111	1	03/28/2018 13:40	WG1089852
trans-1,4-Dichloro-2-butene	U		0.000863	0.00277	1	03/28/2018 13:40	WG1089852
2,2-Dichloropropane	U		0.000309	0.00111	1	03/28/2018 13:40	WG1089852
Di-isopropyl ether	U		0.000275	0.00111	1	03/28/2018 13:40	WG1089852
Ethylbenzene	U		0.000329	0.00111	1	03/28/2018 13:40	WG1089852
Hexachloro-1,3-butadiene	U		0.000379	0.00111	1	03/28/2018 13:40	WG1089852
2-Hexanone	U		0.00152	0.0111	1	03/28/2018 13:40	WG1089852
n-Hexane	0.00200	J	0.000322	0.0111	1	03/28/2018 13:40	WG1089852
Iodomethane	U		0.00281	0.0111	1	03/28/2018 13:40	WG1089852
Isopropylbenzene	U		0.000270	0.00111	1	03/28/2018 13:40	WG1089852
p-Isopropyltoluene	U		0.000226	0.00111	1	03/28/2018 13:40	WG1089852
2-Butanone (MEK)	U		0.00519	0.0111	1	03/28/2018 13:40	WG1089852
Methylene Chloride	U		0.00111	0.00555	1	03/28/2018 13:40	WG1089852
4-Methyl-2-pentanone (MIBK)	U		0.00209	0.0111	1	03/28/2018 13:40	WG1089852

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000235	0.00111	1	03/28/2018 13:40	WG1089852
Naphthalene	U		0.00111	0.00555	1	03/28/2018 13:40	WG1089852
n-Propylbenzene	U		0.000228	0.00111	1	03/28/2018 13:40	WG1089852
Styrene	U		0.000260	0.00111	1	03/28/2018 13:40	WG1089852
1,1,1,2-Tetrachloroethane	U		0.000293	0.00111	1	03/28/2018 13:40	WG1089852
1,1,2,2-Tetrachloroethane	U		0.000405	0.00111	1	03/28/2018 13:40	WG1089852
1,1,2-Trichlorotrifluoroethane	U		0.000405	0.00111	1	03/28/2018 13:40	WG1089852
Tetrachloroethene	0.00134		0.000306	0.00111	1	03/28/2018 13:40	WG1089852
Toluene	U		0.000481	0.00555	1	03/28/2018 13:40	WG1089852
1,2,3-Trichlorobenzene	U	J4	0.000339	0.00111	1	03/28/2018 13:40	WG1089852
1,2,4-Trichlorobenzene	U	J4	0.000430	0.00111	1	03/28/2018 13:40	WG1089852
1,1,1-Trichloroethane	U		0.000317	0.00111	1	03/28/2018 13:40	WG1089852
1,1,2-Trichloroethane	U		0.000307	0.00111	1	03/28/2018 13:40	WG1089852
Trichloroethene	0.000436	J	0.000309	0.00111	1	03/28/2018 13:40	WG1089852
Trichlorofluoromethane	U		0.000424	0.00555	1	03/28/2018 13:40	WG1089852
1,2,3-Trichloropropane	U		0.000822	0.00277	1	03/28/2018 13:40	WG1089852
1,2,4-Trimethylbenzene	U		0.000234	0.00111	1	03/28/2018 13:40	WG1089852
1,2,3-Trimethylbenzene	U		0.000318	0.00111	1	03/28/2018 13:40	WG1089852
1,3,5-Trimethylbenzene	U		0.000295	0.00111	1	03/28/2018 13:40	WG1089852
Vinyl acetate	U	J4	0.00265	0.0111	1	03/28/2018 13:40	WG1089852
Vinyl chloride	U		0.000323	0.00111	1	03/28/2018 13:40	WG1089852
Xylenes, Total	U		0.000774	0.00333	1	03/28/2018 13:40	WG1089852
(S) Toluene-d8	*105*			*80.0-120*		*03/28/2018 13:40*	WG1089852
(S) Dibromofluoromethane	*113*			*74.0-131*		*03/28/2018 13:40*	WG1089852
(S) 4-Bromofluorobenzene	*108*			*64.0-132*		*03/28/2018 13:40*	WG1089852

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	86.6		1	03/27/2018 14:38	WG1089690

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.0380	J J0	0.0115	0.0577	1	03/28/2018 14:00	WG1089852
Acrylonitrile	U		0.00207	0.0115	1	03/28/2018 14:00	WG1089852
Benzene	U		0.000312	0.00115	1	03/28/2018 14:00	WG1089852
Bromobenzene	U		0.000328	0.00115	1	03/28/2018 14:00	WG1089852
Bromodichloromethane	U		0.000293	0.00115	1	03/28/2018 14:00	WG1089852
Bromochloromethane	U	J4	0.000450	0.00577	1	03/28/2018 14:00	WG1089852
Bromoform	U		0.000489	0.00115	1	03/28/2018 14:00	WG1089852
Bromomethane	U		0.00155	0.00577	1	03/28/2018 14:00	WG1089852
n-Butylbenzene	U		0.000298	0.00115	1	03/28/2018 14:00	WG1089852
sec-Butylbenzene	U		0.000232	0.00115	1	03/28/2018 14:00	WG1089852
tert-Butylbenzene	U		0.000238	0.00115	1	03/28/2018 14:00	WG1089852
Carbon disulfide	0.00114	J	0.000255	0.00115	1	03/28/2018 14:00	WG1089852
Carbon tetrachloride	U		0.000379	0.00115	1	03/28/2018 14:00	WG1089852
Chlorobenzene	U		0.000245	0.00115	1	03/28/2018 14:00	WG1089852
Chlorodibromomethane	U		0.000431	0.00115	1	03/28/2018 14:00	WG1089852
Chloroethane	U		0.00109	0.00577	1	03/28/2018 14:00	WG1089852
Chloroform	U		0.000264	0.00577	1	03/28/2018 14:00	WG1089852
Chloromethane	U		0.000433	0.00289	1	03/28/2018 14:00	WG1089852
2-Chlorotoluene	U		0.000347	0.00115	1	03/28/2018 14:00	WG1089852
4-Chlorotoluene	U		0.000277	0.00115	1	03/28/2018 14:00	WG1089852
1,2-Dibromo-3-Chloropropane	U		0.00121	0.00577	1	03/28/2018 14:00	WG1089852
1,2-Dibromoethane	U		0.000396	0.00115	1	03/28/2018 14:00	WG1089852
Dibromomethane	U		0.000441	0.00115	1	03/28/2018 14:00	WG1089852
1,2-Dichlorobenzene	U		0.000352	0.00115	1	03/28/2018 14:00	WG1089852
1,3-Dichlorobenzene	U		0.000276	0.00115	1	03/28/2018 14:00	WG1089852
1,4-Dichlorobenzene	U		0.000261	0.00115	1	03/28/2018 14:00	WG1089852
Dichlorodifluoromethane	U		0.000823	0.00577	1	03/28/2018 14:00	WG1089852
1,1-Dichloroethane	U		0.000230	0.00115	1	03/28/2018 14:00	WG1089852
1,2-Dichloroethane	U		0.000306	0.00115	1	03/28/2018 14:00	WG1089852
1,1-Dichloroethene	U		0.000350	0.00115	1	03/28/2018 14:00	WG1089852
cis-1,2-Dichloroethene	0.0140		0.000271	0.00115	1	03/28/2018 14:00	WG1089852
trans-1,2-Dichloroethene	U		0.000305	0.00115	1	03/28/2018 14:00	WG1089852
1,2-Dichloropropane	U		0.000413	0.00115	1	03/28/2018 14:00	WG1089852
1,1-Dichloropropene	U		0.000366	0.00115	1	03/28/2018 14:00	WG1089852
1,3-Dichloropropane	U		0.000239	0.00115	1	03/28/2018 14:00	WG1089852
cis-1,3-Dichloropropene	U		0.000302	0.00115	1	03/28/2018 14:00	WG1089852
trans-1,3-Dichloropropene	U		0.000308	0.00115	1	03/28/2018 14:00	WG1089852
trans-1,4-Dichloro-2-butene	U		0.000898	0.00289	1	03/28/2018 14:00	WG1089852
2,2-Dichloropropane	U		0.000322	0.00115	1	03/28/2018 14:00	WG1089852
Di-isopropyl ether	U		0.000286	0.00115	1	03/28/2018 14:00	WG1089852
Ethylbenzene	U		0.000343	0.00115	1	03/28/2018 14:00	WG1089852
Hexachloro-1,3-butadiene	U		0.000395	0.00115	1	03/28/2018 14:00	WG1089852
2-Hexanone	U		0.00158	0.0115	1	03/28/2018 14:00	WG1089852
n-Hexane	U		0.000335	0.0115	1	03/28/2018 14:00	WG1089852
Iodomethane	U		0.00292	0.0115	1	03/28/2018 14:00	WG1089852
Isopropylbenzene	U		0.000280	0.00115	1	03/28/2018 14:00	WG1089852
p-Isopropyltoluene	U		0.000235	0.00115	1	03/28/2018 14:00	WG1089852
2-Butanone (MEK)	0.00772	J	0.00540	0.0115	1	03/28/2018 14:00	WG1089852
Methylene Chloride	U		0.00115	0.00577	1	03/28/2018 14:00	WG1089852
4-Methyl-2-pentanone (MIBK)	U		0.00217	0.0115	1	03/28/2018 14:00	WG1089852

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000245	0.00115	1	03/28/2018 14:00	WG1089852
Naphthalene	U		0.00115	0.00577	1	03/28/2018 14:00	WG1089852
n-Propylbenzene	U		0.000238	0.00115	1	03/28/2018 14:00	WG1089852
Styrene	U		0.000270	0.00115	1	03/28/2018 14:00	WG1089852
1,1,1,2-Tetrachloroethane	U		0.000305	0.00115	1	03/28/2018 14:00	WG1089852
1,1,2,2-Tetrachloroethane	U		0.000421	0.00115	1	03/28/2018 14:00	WG1089852
1,1,2-Trichlorotrifluoroethane	U		0.000421	0.00115	1	03/28/2018 14:00	WG1089852
Tetrachloroethene	U		0.000319	0.00115	1	03/28/2018 14:00	WG1089852
Toluene	U		0.000501	0.00577	1	03/28/2018 14:00	WG1089852
1,2,3-Trichlorobenzene	U	J4	0.000353	0.00115	1	03/28/2018 14:00	WG1089852
1,2,4-Trichlorobenzene	U	J4	0.000448	0.00115	1	03/28/2018 14:00	WG1089852
1,1,1-Trichloroethane	U		0.000330	0.00115	1	03/28/2018 14:00	WG1089852
1,1,2-Trichloroethane	U		0.000320	0.00115	1	03/28/2018 14:00	WG1089852
Trichloroethene	U		0.000322	0.00115	1	03/28/2018 14:00	WG1089852
Trichlorofluoromethane	U		0.000441	0.00577	1	03/28/2018 14:00	WG1089852
1,2,3-Trichloropropane	U		0.000855	0.00289	1	03/28/2018 14:00	WG1089852
1,2,4-Trimethylbenzene	U		0.000244	0.00115	1	03/28/2018 14:00	WG1089852
1,2,3-Trimethylbenzene	U		0.000331	0.00115	1	03/28/2018 14:00	WG1089852
1,3,5-Trimethylbenzene	U		0.000307	0.00115	1	03/28/2018 14:00	WG1089852
Vinyl acetate	U	J4	0.00276	0.0115	1	03/28/2018 14:00	WG1089852
Vinyl chloride	0.00417		0.000336	0.00115	1	03/28/2018 14:00	WG1089852
Xylenes, Total	U		0.000806	0.00346	1	03/28/2018 14:00	WG1089852
(S) Toluene-d8	*100*			*80.0-120*		*03/28/2018 14:00*	WG1089852
(S) Dibromofluoromethane	*111*			*74.0-131*		*03/28/2018 14:00*	WG1089852
(S) 4-Bromofluorobenzene	*111*			*64.0-132*		*03/28/2018 14:00*	WG1089852

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	81.9		1	03/27/2018 15:23	WG1089691

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.0212	J J0	0.0122	0.0610	1	03/28/2018 14:22	WG1089852
Acrylonitrile	U		0.00218	0.0122	1	03/28/2018 14:22	WG1089852
Benzene	U		0.000330	0.00122	1	03/28/2018 14:22	WG1089852
Bromobenzene	U		0.000347	0.00122	1	03/28/2018 14:22	WG1089852
Bromodichloromethane	U		0.000310	0.00122	1	03/28/2018 14:22	WG1089852
Bromochloromethane	U	J4	0.000476	0.00610	1	03/28/2018 14:22	WG1089852
Bromoform	U		0.000517	0.00122	1	03/28/2018 14:22	WG1089852
Bromomethane	U		0.00164	0.00610	1	03/28/2018 14:22	WG1089852
n-Butylbenzene	U		0.000315	0.00122	1	03/28/2018 14:22	WG1089852
sec-Butylbenzene	U		0.000245	0.00122	1	03/28/2018 14:22	WG1089852
tert-Butylbenzene	U		0.000251	0.00122	1	03/28/2018 14:22	WG1089852
Carbon disulfide	0.00105	J	0.000270	0.00122	1	03/28/2018 14:22	WG1089852
Carbon tetrachloride	U		0.000400	0.00122	1	03/28/2018 14:22	WG1089852
Chlorobenzene	U		0.000259	0.00122	1	03/28/2018 14:22	WG1089852
Chlorodibromomethane	U		0.000455	0.00122	1	03/28/2018 14:22	WG1089852
Chloroethane	U		0.00115	0.00610	1	03/28/2018 14:22	WG1089852
Chloroform	U		0.000279	0.00610	1	03/28/2018 14:22	WG1089852
Chloromethane	U		0.000458	0.00305	1	03/28/2018 14:22	WG1089852
2-Chlorotoluene	U		0.000367	0.00122	1	03/28/2018 14:22	WG1089852
4-Chlorotoluene	U		0.000293	0.00122	1	03/28/2018 14:22	WG1089852
1,2-Dibromo-3-Chloropropane	U		0.00128	0.00610	1	03/28/2018 14:22	WG1089852
1,2-Dibromoethane	U		0.000419	0.00122	1	03/28/2018 14:22	WG1089852
Dibromomethane	U		0.000466	0.00122	1	03/28/2018 14:22	WG1089852
1,2-Dichlorobenzene	U		0.000372	0.00122	1	03/28/2018 14:22	WG1089852
1,3-Dichlorobenzene	U		0.000292	0.00122	1	03/28/2018 14:22	WG1089852
1,4-Dichlorobenzene	U		0.000276	0.00122	1	03/28/2018 14:22	WG1089852
Dichlorodifluoromethane	U		0.000870	0.00610	1	03/28/2018 14:22	WG1089852
1,1-Dichloroethane	U		0.000243	0.00122	1	03/28/2018 14:22	WG1089852
1,2-Dichloroethane	U		0.000323	0.00122	1	03/28/2018 14:22	WG1089852
1,1-Dichloroethene	U		0.000370	0.00122	1	03/28/2018 14:22	WG1089852
cis-1,2-Dichloroethene	0.00112	J	0.000287	0.00122	1	03/28/2018 14:22	WG1089852
trans-1,2-Dichloroethene	U		0.000322	0.00122	1	03/28/2018 14:22	WG1089852
1,2-Dichloropropane	U		0.000437	0.00122	1	03/28/2018 14:22	WG1089852
1,1-Dichloropropene	U		0.000387	0.00122	1	03/28/2018 14:22	WG1089852
1,3-Dichloropropane	U		0.000253	0.00122	1	03/28/2018 14:22	WG1089852
cis-1,3-Dichloropropene	U		0.000320	0.00122	1	03/28/2018 14:22	WG1089852
trans-1,3-Dichloropropene	U		0.000326	0.00122	1	03/28/2018 14:22	WG1089852
trans-1,4-Dichloro-2-butene	U		0.000949	0.00305	1	03/28/2018 14:22	WG1089852
2,2-Dichloropropane	U		0.000340	0.00122	1	03/28/2018 14:22	WG1089852
Di-isopropyl ether	U		0.000303	0.00122	1	03/28/2018 14:22	WG1089852
Ethylbenzene	U		0.000362	0.00122	1	03/28/2018 14:22	WG1089852
Hexachloro-1,3-butadiene	U		0.000417	0.00122	1	03/28/2018 14:22	WG1089852
2-Hexanone	U		0.00167	0.0122	1	03/28/2018 14:22	WG1089852
n-Hexane	U		0.000354	0.0122	1	03/28/2018 14:22	WG1089852
Iodomethane	U		0.00309	0.0122	1	03/28/2018 14:22	WG1089852
Isopropylbenzene	U		0.000297	0.00122	1	03/28/2018 14:22	WG1089852
p-Isopropyltoluene	U		0.000249	0.00122	1	03/28/2018 14:22	WG1089852
2-Butanone (MEK)	U		0.00571	0.0122	1	03/28/2018 14:22	WG1089852
Methylene Chloride	U		0.00122	0.00610	1	03/28/2018 14:22	WG1089852
4-Methyl-2-pentanone (MIBK)	U		0.00229	0.0122	1	03/28/2018 14:22	WG1089852

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000259	0.00122	1	03/28/2018 14:22	WG1089852
Naphthalene	U		0.00122	0.00610	1	03/28/2018 14:22	WG1089852
n-Propylbenzene	U		0.000251	0.00122	1	03/28/2018 14:22	WG1089852
Styrene	U		0.000286	0.00122	1	03/28/2018 14:22	WG1089852
1,1,1,2-Tetrachloroethane	U		0.000322	0.00122	1	03/28/2018 14:22	WG1089852
1,1,2,2-Tetrachloroethane	U		0.000445	0.00122	1	03/28/2018 14:22	WG1089852
1,1,2-Trichlorotrifluoroethane	U		0.000445	0.00122	1	03/28/2018 14:22	WG1089852
Tetrachloroethene	U		0.000337	0.00122	1	03/28/2018 14:22	WG1089852
Toluene	U		0.000530	0.00610	1	03/28/2018 14:22	WG1089852
1,2,3-Trichlorobenzene	U	J4	0.000373	0.00122	1	03/28/2018 14:22	WG1089852
1,2,4-Trichlorobenzene	U	J4	0.000474	0.00122	1	03/28/2018 14:22	WG1089852
1,1,1-Trichloroethane	U		0.000349	0.00122	1	03/28/2018 14:22	WG1089852
1,1,2-Trichloroethane	U		0.000338	0.00122	1	03/28/2018 14:22	WG1089852
Trichloroethene	0.000472	J	0.000340	0.00122	1	03/28/2018 14:22	WG1089852
Trichlorofluoromethane	U		0.000466	0.00610	1	03/28/2018 14:22	WG1089852
1,2,3-Trichloropropane	U		0.000904	0.00305	1	03/28/2018 14:22	WG1089852
1,2,4-Trimethylbenzene	U		0.000258	0.00122	1	03/28/2018 14:22	WG1089852
1,2,3-Trimethylbenzene	U		0.000350	0.00122	1	03/28/2018 14:22	WG1089852
1,3,5-Trimethylbenzene	U		0.000325	0.00122	1	03/28/2018 14:22	WG1089852
Vinyl acetate	U	J4	0.00292	0.0122	1	03/28/2018 14:22	WG1089852
Vinyl chloride	0.000514	J	0.000355	0.00122	1	03/28/2018 14:22	WG1089852
Xylenes, Total	U		0.000852	0.00366	1	03/28/2018 14:22	WG1089852
(S) Toluene-d8	*105*			*80.0-120*		*03/28/2018 14:22*	WG1089852
(S) Dibromofluoromethane	*109*			*74.0-131*		*03/28/2018 14:22*	WG1089852
(S) 4-Bromofluorobenzene	*109*			*64.0-132*		*03/28/2018 14:22*	WG1089852

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	87.8		1	03/27/2018 15:23	WG1089691

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0128	0.0638	1.12	03/28/2018 14:42	WG1089852
Acrylonitrile	U		0.00228	0.0128	1.12	03/28/2018 14:42	WG1089852
Benzene	U		0.000344	0.00128	1.12	03/28/2018 14:42	WG1089852
Bromobenzene	U		0.000362	0.00128	1.12	03/28/2018 14:42	WG1089852
Bromodichloromethane	U		0.000324	0.00128	1.12	03/28/2018 14:42	WG1089852
Bromochloromethane	U	J4	0.000498	0.00638	1.12	03/28/2018 14:42	WG1089852
Bromoform	U		0.000541	0.00128	1.12	03/28/2018 14:42	WG1089852
Bromomethane	U		0.00171	0.00638	1.12	03/28/2018 14:42	WG1089852
n-Butylbenzene	U		0.000329	0.00128	1.12	03/28/2018 14:42	WG1089852
sec-Butylbenzene	U		0.000256	0.00128	1.12	03/28/2018 14:42	WG1089852
tert-Butylbenzene	U		0.000263	0.00128	1.12	03/28/2018 14:42	WG1089852
Carbon disulfide	0.00307		0.000283	0.00128	1.12	03/28/2018 14:42	WG1089852
Carbon tetrachloride	U		0.000418	0.00128	1.12	03/28/2018 14:42	WG1089852
Chlorobenzene	U		0.000270	0.00128	1.12	03/28/2018 14:42	WG1089852
Chlorodibromomethane	U		0.000476	0.00128	1.12	03/28/2018 14:42	WG1089852
Chloroethane	U		0.00121	0.00638	1.12	03/28/2018 14:42	WG1089852
Chloroform	U		0.000292	0.00638	1.12	03/28/2018 14:42	WG1089852
Chloromethane	0.0575		0.000479	0.00319	1.12	03/28/2018 14:42	WG1089852
2-Chlorotoluene	U		0.000384	0.00128	1.12	03/28/2018 14:42	WG1089852
4-Chlorotoluene	U		0.000307	0.00128	1.12	03/28/2018 14:42	WG1089852
1,2-Dibromo-3-Chloropropane	U		0.00134	0.00638	1.12	03/28/2018 14:42	WG1089852
1,2-Dibromoethane	U		0.000438	0.00128	1.12	03/28/2018 14:42	WG1089852
Dibromomethane	U		0.000488	0.00128	1.12	03/28/2018 14:42	WG1089852
1,2-Dichlorobenzene	U		0.000390	0.00128	1.12	03/28/2018 14:42	WG1089852
1,3-Dichlorobenzene	U		0.000305	0.00128	1.12	03/28/2018 14:42	WG1089852
1,4-Dichlorobenzene	U		0.000288	0.00128	1.12	03/28/2018 14:42	WG1089852
Dichlorodifluoromethane	U		0.000909	0.00638	1.12	03/28/2018 14:42	WG1089852
1,1-Dichloroethane	U		0.000254	0.00128	1.12	03/28/2018 14:42	WG1089852
1,2-Dichloroethane	U		0.000338	0.00128	1.12	03/28/2018 14:42	WG1089852
1,1-Dichloroethene	U		0.000386	0.00128	1.12	03/28/2018 14:42	WG1089852
cis-1,2-Dichloroethene	0.0683		0.000300	0.00128	1.12	03/28/2018 14:42	WG1089852
trans-1,2-Dichloroethene	0.00178		0.000337	0.00128	1.12	03/28/2018 14:42	WG1089852
1,2-Dichloropropane	U		0.000457	0.00128	1.12	03/28/2018 14:42	WG1089852
1,1-Dichloropropene	U		0.000405	0.00128	1.12	03/28/2018 14:42	WG1089852
1,3-Dichloropropane	U		0.000264	0.00128	1.12	03/28/2018 14:42	WG1089852
cis-1,3-Dichloropropene	U		0.000334	0.00128	1.12	03/28/2018 14:42	WG1089852
trans-1,3-Dichloropropene	U		0.000341	0.00128	1.12	03/28/2018 14:42	WG1089852
trans-1,4-Dichloro-2-butene	U		0.000992	0.00319	1.12	03/28/2018 14:42	WG1089852
2,2-Dichloropropane	U		0.000356	0.00128	1.12	03/28/2018 14:42	WG1089852
Di-isopropyl ether	U		0.000317	0.00128	1.12	03/28/2018 14:42	WG1089852
Ethylbenzene	U		0.000379	0.00128	1.12	03/28/2018 14:42	WG1089852
Hexachloro-1,3-butadiene	U		0.000436	0.00128	1.12	03/28/2018 14:42	WG1089852
2-Hexanone	U		0.00174	0.0128	1.12	03/28/2018 14:42	WG1089852
n-Hexane	0.110		0.000370	0.0128	1.12	03/28/2018 14:42	WG1089852
Iodomethane	U		0.00322	0.0128	1.12	03/28/2018 14:42	WG1089852
Isopropylbenzene	U		0.000310	0.00128	1.12	03/28/2018 14:42	WG1089852
p-Isopropyltoluene	U		0.000260	0.00128	1.12	03/28/2018 14:42	WG1089852
2-Butanone (MEK)	U		0.00597	0.0128	1.12	03/28/2018 14:42	WG1089852
Methylene Chloride	U		0.00128	0.00638	1.12	03/28/2018 14:42	WG1089852
4-Methyl-2-pentanone (MIBK)	U		0.00239	0.0128	1.12	03/28/2018 14:42	WG1089852

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000270	0.00128	1.12	03/28/2018 14:42	WG1089852
Naphthalene	U		0.00128	0.00638	1.12	03/28/2018 14:42	WG1089852
n-Propylbenzene	U		0.000263	0.00128	1.12	03/28/2018 14:42	WG1089852
Styrene	U		0.000299	0.00128	1.12	03/28/2018 14:42	WG1089852
1,1,1,2-Tetrachloroethane	U		0.000337	0.00128	1.12	03/28/2018 14:42	WG1089852
1,1,2,2-Tetrachloroethane	U		0.000466	0.00128	1.12	03/28/2018 14:42	WG1089852
1,1,2-Trichlorotrifluoroethane	U		0.000466	0.00128	1.12	03/28/2018 14:42	WG1089852
Tetrachloroethene	0.00660		0.000352	0.00128	1.12	03/28/2018 14:42	WG1089852
Toluene	0.000646	J	0.000554	0.00638	1.12	03/28/2018 14:42	WG1089852
1,2,3-Trichlorobenzene	U	J4	0.000391	0.00128	1.12	03/28/2018 14:42	WG1089852
1,2,4-Trichlorobenzene	U	J4	0.000495	0.00128	1.12	03/28/2018 14:42	WG1089852
1,1,1-Trichloroethane	U		0.000365	0.00128	1.12	03/28/2018 14:42	WG1089852
1,1,2-Trichloroethane	U		0.000353	0.00128	1.12	03/28/2018 14:42	WG1089852
Trichloroethene	0.0168		0.000356	0.00128	1.12	03/28/2018 14:42	WG1089852
Trichlorofluoromethane	U		0.000488	0.00638	1.12	03/28/2018 14:42	WG1089852
1,2,3-Trichloropropane	U		0.000946	0.00319	1.12	03/28/2018 14:42	WG1089852
1,2,4-Trimethylbenzene	U		0.000269	0.00128	1.12	03/28/2018 14:42	WG1089852
1,2,3-Trimethylbenzene	U		0.000366	0.00128	1.12	03/28/2018 14:42	WG1089852
1,3,5-Trimethylbenzene	U		0.000340	0.00128	1.12	03/28/2018 14:42	WG1089852
Vinyl acetate	U	J4	0.00305	0.0128	1.12	03/28/2018 14:42	WG1089852
Vinyl chloride	0.0457		0.000371	0.00128	1.12	03/28/2018 14:42	WG1089852
Xylenes, Total	U		0.000891	0.00383	1.12	03/28/2018 14:42	WG1089852
(S) Toluene-d8	*103*			*80.0-120*		*03/28/2018 14:42*	WG1089852
(S) Dibromofluoromethane	*112*			*74.0-131*		*03/28/2018 14:42*	WG1089852
(S) 4-Bromofluorobenzene	*106*			*64.0-132*		*03/28/2018 14:42*	WG1089852

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	90.9		1	03/27/2018 15:23	WG1089691

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0110	0.0550	1	03/28/2018 15:03	WG1089852
Acrylonitrile	U		0.00197	0.0110	1	03/28/2018 15:03	WG1089852
Benzene	U		0.000297	0.00110	1	03/28/2018 15:03	WG1089852
Bromobenzene	U		0.000312	0.00110	1	03/28/2018 15:03	WG1089852
Bromodichloromethane	U		0.000279	0.00110	1	03/28/2018 15:03	WG1089852
Bromochloromethane	U	J4	0.000429	0.00550	1	03/28/2018 15:03	WG1089852
Bromoform	U		0.000467	0.00110	1	03/28/2018 15:03	WG1089852
Bromomethane	U		0.00147	0.00550	1	03/28/2018 15:03	WG1089852
n-Butylbenzene	U		0.000284	0.00110	1	03/28/2018 15:03	WG1089852
sec-Butylbenzene	U		0.000221	0.00110	1	03/28/2018 15:03	WG1089852
tert-Butylbenzene	U		0.000227	0.00110	1	03/28/2018 15:03	WG1089852
Carbon disulfide	0.00291		0.000243	0.00110	1	03/28/2018 15:03	WG1089852
Carbon tetrachloride	U		0.000361	0.00110	1	03/28/2018 15:03	WG1089852
Chlorobenzene	U		0.000233	0.00110	1	03/28/2018 15:03	WG1089852
Chlorodibromomethane	U		0.000410	0.00110	1	03/28/2018 15:03	WG1089852
Chloroethane	U		0.00104	0.00550	1	03/28/2018 15:03	WG1089852
Chloroform	U		0.000252	0.00550	1	03/28/2018 15:03	WG1089852
Chloromethane	U		0.000413	0.00275	1	03/28/2018 15:03	WG1089852
2-Chlorotoluene	U		0.000331	0.00110	1	03/28/2018 15:03	WG1089852
4-Chlorotoluene	U		0.000264	0.00110	1	03/28/2018 15:03	WG1089852
1,2-Dibromo-3-Chloropropane	U		0.00116	0.00550	1	03/28/2018 15:03	WG1089852
1,2-Dibromoethane	U		0.000377	0.00110	1	03/28/2018 15:03	WG1089852
Dibromomethane	U		0.000420	0.00110	1	03/28/2018 15:03	WG1089852
1,2-Dichlorobenzene	U		0.000336	0.00110	1	03/28/2018 15:03	WG1089852
1,3-Dichlorobenzene	U		0.000263	0.00110	1	03/28/2018 15:03	WG1089852
1,4-Dichlorobenzene	U		0.000249	0.00110	1	03/28/2018 15:03	WG1089852
Dichlorodifluoromethane	U		0.000785	0.00550	1	03/28/2018 15:03	WG1089852
1,1-Dichloroethane	U		0.000219	0.00110	1	03/28/2018 15:03	WG1089852
1,2-Dichloroethane	U		0.000292	0.00110	1	03/28/2018 15:03	WG1089852
1,1-Dichloroethene	0.00451		0.000333	0.00110	1	03/28/2018 15:03	WG1089852
cis-1,2-Dichloroethene	1.93		0.0259	0.110	100	03/28/2018 17:07	WG1089852
trans-1,2-Dichloroethene	0.0123		0.000290	0.00110	1	03/28/2018 15:03	WG1089852
1,2-Dichloropropane	U		0.000394	0.00110	1	03/28/2018 15:03	WG1089852
1,1-Dichloropropene	U		0.000349	0.00110	1	03/28/2018 15:03	WG1089852
1,3-Dichloropropane	U		0.000228	0.00110	1	03/28/2018 15:03	WG1089852
cis-1,3-Dichloropropene	U		0.000288	0.00110	1	03/28/2018 15:03	WG1089852
trans-1,3-Dichloropropene	U		0.000294	0.00110	1	03/28/2018 15:03	WG1089852
trans-1,4-Dichloro-2-butene	U		0.000856	0.00275	1	03/28/2018 15:03	WG1089852
2,2-Dichloropropane	U		0.000307	0.00110	1	03/28/2018 15:03	WG1089852
Di-isopropyl ether	U		0.000273	0.00110	1	03/28/2018 15:03	WG1089852
Ethylbenzene	U		0.000327	0.00110	1	03/28/2018 15:03	WG1089852
Hexachloro-1,3-butadiene	U		0.000376	0.00110	1	03/28/2018 15:03	WG1089852
2-Hexanone	U		0.00151	0.0110	1	03/28/2018 15:03	WG1089852
n-Hexane	0.000325	J	0.000319	0.0110	1	03/28/2018 15:03	WG1089852
Iodomethane	U		0.00278	0.0110	1	03/28/2018 15:03	WG1089852
Isopropylbenzene	U		0.000267	0.00110	1	03/28/2018 15:03	WG1089852
p-Isopropyltoluene	U		0.000224	0.00110	1	03/28/2018 15:03	WG1089852
2-Butanone (MEK)	U		0.00515	0.0110	1	03/28/2018 15:03	WG1089852
Methylene Chloride	U		0.00110	0.00550	1	03/28/2018 15:03	WG1089852
4-Methyl-2-pentanone (MIBK)	U		0.00207	0.0110	1	03/28/2018 15:03	WG1089852

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000233	0.00110	1	03/28/2018 15:03	WG1089852
Naphthalene	U		0.00110	0.00550	1	03/28/2018 15:03	WG1089852
n-Propylbenzene	U		0.000227	0.00110	1	03/28/2018 15:03	WG1089852
Styrene	U		0.000257	0.00110	1	03/28/2018 15:03	WG1089852
1,1,1,2-Tetrachloroethane	U		0.000290	0.00110	1	03/28/2018 15:03	WG1089852
1,1,2,2-Tetrachloroethane	U		0.000402	0.00110	1	03/28/2018 15:03	WG1089852
1,1,2-Trichlorotrifluoroethane	U		0.000402	0.00110	1	03/28/2018 15:03	WG1089852
Tetrachloroethene	10.3		0.0304	0.110	100	03/28/2018 17:07	WG1089852
Toluene	U		0.000478	0.00550	1	03/28/2018 15:03	WG1089852
1,2,3-Trichlorobenzene	U	J4	0.000337	0.00110	1	03/28/2018 15:03	WG1089852
1,2,4-Trichlorobenzene	U	J4	0.000427	0.00110	1	03/28/2018 15:03	WG1089852
1,1,1-Trichloroethane	U		0.000315	0.00110	1	03/28/2018 15:03	WG1089852
1,1,2-Trichloroethane	U		0.000305	0.00110	1	03/28/2018 15:03	WG1089852
Trichloroethene	3.01		0.0307	0.110	100	03/28/2018 17:07	WG1089852
Trichlorofluoromethane	U		0.000420	0.00550	1	03/28/2018 15:03	WG1089852
1,2,3-Trichloropropane	U		0.000815	0.00275	1	03/28/2018 15:03	WG1089852
1,2,4-Trimethylbenzene	U		0.000232	0.00110	1	03/28/2018 15:03	WG1089852
1,2,3-Trimethylbenzene	U		0.000316	0.00110	1	03/28/2018 15:03	WG1089852
1,3,5-Trimethylbenzene	U		0.000293	0.00110	1	03/28/2018 15:03	WG1089852
Vinyl acetate	U	J4	0.00263	0.0110	1	03/28/2018 15:03	WG1089852
Vinyl chloride	0.109		0.000320	0.00110	1	03/28/2018 15:03	WG1089852
Xylenes, Total	U		0.000768	0.00330	1	03/28/2018 15:03	WG1089852
(S) Toluene-d8	*97.5*			*80.0-120*		*03/28/2018 15:03*	WG1089852
(S) Toluene-d8	*105*			*80.0-120*		*03/28/2018 17:07*	WG1089852
(S) Dibromofluoromethane	*94.3*			*74.0-131*		*03/28/2018 17:07*	WG1089852
(S) Dibromofluoromethane	*113*			*74.0-131*		*03/28/2018 15:03*	WG1089852
(S) 4-Bromofluorobenzene	*90.6*			*64.0-132*		*03/28/2018 17:07*	WG1089852
(S) 4-Bromofluorobenzene	*114*			*64.0-132*		*03/28/2018 15:03*	WG1089852

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	90.6		1	03/27/2018 15:23	WG1089691

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0110	0.0552	1	03/28/2018 15:23	WG1089852
Acrylonitrile	U		0.00197	0.0110	1	03/28/2018 15:23	WG1089852
Benzene	U		0.000298	0.00110	1	03/28/2018 15:23	WG1089852
Bromobenzene	U		0.000313	0.00110	1	03/28/2018 15:23	WG1089852
Bromodichloromethane	U		0.000280	0.00110	1	03/28/2018 15:23	WG1089852
Bromochloromethane	U	J4	0.000430	0.00552	1	03/28/2018 15:23	WG1089852
Bromoform	U		0.000468	0.00110	1	03/28/2018 15:23	WG1089852
Bromomethane	U		0.00148	0.00552	1	03/28/2018 15:23	WG1089852
n-Butylbenzene	U		0.000285	0.00110	1	03/28/2018 15:23	WG1089852
sec-Butylbenzene	U		0.000222	0.00110	1	03/28/2018 15:23	WG1089852
tert-Butylbenzene	U		0.000227	0.00110	1	03/28/2018 15:23	WG1089852
Carbon disulfide	0.00446		0.000244	0.00110	1	03/28/2018 15:23	WG1089852
Carbon tetrachloride	U		0.000362	0.00110	1	03/28/2018 15:23	WG1089852
Chlorobenzene	U		0.000234	0.00110	1	03/28/2018 15:23	WG1089852
Chlorodibromomethane	U		0.000412	0.00110	1	03/28/2018 15:23	WG1089852
Chloroethane	U		0.00104	0.00552	1	03/28/2018 15:23	WG1089852
Chloroform	U		0.000253	0.00552	1	03/28/2018 15:23	WG1089852
Chloromethane	U		0.000414	0.00276	1	03/28/2018 15:23	WG1089852
2-Chlorotoluene	U		0.000332	0.00110	1	03/28/2018 15:23	WG1089852
4-Chlorotoluene	U		0.000265	0.00110	1	03/28/2018 15:23	WG1089852
1,2-Dibromo-3-Chloropropane	U		0.00116	0.00552	1	03/28/2018 15:23	WG1089852
1,2-Dibromoethane	U		0.000378	0.00110	1	03/28/2018 15:23	WG1089852
Dibromomethane	U		0.000421	0.00110	1	03/28/2018 15:23	WG1089852
1,2-Dichlorobenzene	U		0.000337	0.00110	1	03/28/2018 15:23	WG1089852
1,3-Dichlorobenzene	U		0.000264	0.00110	1	03/28/2018 15:23	WG1089852
1,4-Dichlorobenzene	U		0.000249	0.00110	1	03/28/2018 15:23	WG1089852
Dichlorodifluoromethane	U		0.000787	0.00552	1	03/28/2018 15:23	WG1089852
1,1-Dichloroethane	U		0.000220	0.00110	1	03/28/2018 15:23	WG1089852
1,2-Dichloroethane	U		0.000292	0.00110	1	03/28/2018 15:23	WG1089852
1,1-Dichloroethene	0.0100		0.000334	0.00110	1	03/28/2018 15:23	WG1089852
cis-1,2-Dichloroethene	3.16		0.0259	0.110	100	03/28/2018 17:23	WG1089852
trans-1,2-Dichloroethene	0.0185		0.000291	0.00110	1	03/28/2018 15:23	WG1089852
1,2-Dichloropropane	U		0.000395	0.00110	1	03/28/2018 15:23	WG1089852
1,1-Dichloropropene	U		0.000350	0.00110	1	03/28/2018 15:23	WG1089852
1,3-Dichloropropane	U		0.000228	0.00110	1	03/28/2018 15:23	WG1089852
cis-1,3-Dichloropropene	U		0.000289	0.00110	1	03/28/2018 15:23	WG1089852
trans-1,3-Dichloropropene	U		0.000295	0.00110	1	03/28/2018 15:23	WG1089852
trans-1,4-Dichloro-2-butene	U		0.000858	0.00276	1	03/28/2018 15:23	WG1089852
2,2-Dichloropropane	U		0.000308	0.00110	1	03/28/2018 15:23	WG1089852
Di-isopropyl ether	U		0.000274	0.00110	1	03/28/2018 15:23	WG1089852
Ethylbenzene	U		0.000328	0.00110	1	03/28/2018 15:23	WG1089852
Hexachloro-1,3-butadiene	U		0.000377	0.00110	1	03/28/2018 15:23	WG1089852
2-Hexanone	U		0.00151	0.0110	1	03/28/2018 15:23	WG1089852
n-Hexane	U		0.000320	0.0110	1	03/28/2018 15:23	WG1089852
Iodomethane	U		0.00279	0.0110	1	03/28/2018 15:23	WG1089852
Isopropylbenzene	U		0.000268	0.00110	1	03/28/2018 15:23	WG1089852
p-Isopropyltoluene	U		0.000225	0.00110	1	03/28/2018 15:23	WG1089852
2-Butanone (MEK)	U		0.00516	0.0110	1	03/28/2018 15:23	WG1089852
Methylene Chloride	U		0.00110	0.00552	1	03/28/2018 15:23	WG1089852
4-Methyl-2-pentanone (MIBK)	U		0.00207	0.0110	1	03/28/2018 15:23	WG1089852

Volatile Organic Compounds (GC/MS) by Method 8260C

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg		date / time	
Methyl tert-butyl ether	U		0.000234	0.00110	1	03/28/2018 15:23	WG1089852
Naphthalene	U		0.00110	0.00552	1	03/28/2018 15:23	WG1089852
n-Propylbenzene	U		0.000227	0.00110	1	03/28/2018 15:23	WG1089852
Styrene	U		0.000258	0.00110	1	03/28/2018 15:23	WG1089852
1,1,1,2-Tetrachloroethane	U		0.000291	0.00110	1	03/28/2018 15:23	WG1089852
1,1,2,2-Tetrachloroethane	U		0.000403	0.00110	1	03/28/2018 15:23	WG1089852
1,1,2-Trichlorotrifluoroethane	U		0.000403	0.00110	1	03/28/2018 15:23	WG1089852
Tetrachloroethene	14.5		0.0305	0.110	100	03/28/2018 17:23	WG1089852
Toluene	U		0.000479	0.00552	1	03/28/2018 15:23	WG1089852
1,2,3-Trichlorobenzene	U	J4	0.000338	0.00110	1	03/28/2018 15:23	WG1089852
1,2,4-Trichlorobenzene	U	J4	0.000428	0.00110	1	03/28/2018 15:23	WG1089852
1,1,1-Trichloroethane	U		0.000316	0.00110	1	03/28/2018 15:23	WG1089852
1,1,2-Trichloroethane	U		0.000306	0.00110	1	03/28/2018 15:23	WG1089852
Trichloroethene	3.70		0.0308	0.110	100	03/28/2018 17:23	WG1089852
Trichlorofluoromethane	U		0.000421	0.00552	1	03/28/2018 15:23	WG1089852
1,2,3-Trichloropropane	U		0.000818	0.00276	1	03/28/2018 15:23	WG1089852
1,2,4-Trimethylbenzene	U		0.000233	0.00110	1	03/28/2018 15:23	WG1089852
1,2,3-Trimethylbenzene	U		0.000317	0.00110	1	03/28/2018 15:23	WG1089852
1,3,5-Trimethylbenzene	U		0.000293	0.00110	1	03/28/2018 15:23	WG1089852
Vinyl acetate	U	J4	0.00264	0.0110	1	03/28/2018 15:23	WG1089852
Vinyl chloride	0.268		0.0321	0.110	100	03/28/2018 17:23	WG1089852
Xylenes, Total	U		0.000770	0.00331	1	03/28/2018 15:23	WG1089852
(S) Toluene-d8	*107*			*80.0-120*		*03/28/2018 17:23*	WG1089852
(S) Toluene-d8	*98.5*			*80.0-120*		*03/28/2018 15:23*	WG1089852
(S) Dibromofluoromethane	*95.5*			*74.0-131*		*03/28/2018 17:23*	WG1089852
(S) Dibromofluoromethane	*113*			*74.0-131*		*03/28/2018 15:23*	WG1089852
(S) 4-Bromofluorobenzene	*90.2*			*64.0-132*		*03/28/2018 17:23*	WG1089852
(S) 4-Bromofluorobenzene	*114*			*64.0-132*		*03/28/2018 15:23*	WG1089852

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	89.3		1	03/27/2018 15:23	WG1089691

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0112	0.0560	1	03/28/2018 15:44	WG1089852
Acrylonitrile	U		0.00200	0.0112	1	03/28/2018 15:44	WG1089852
Benzene	U		0.000302	0.00112	1	03/28/2018 15:44	WG1089852
Bromobenzene	U		0.000318	0.00112	1	03/28/2018 15:44	WG1089852
Bromodichloromethane	U		0.000284	0.00112	1	03/28/2018 15:44	WG1089852
Bromochloromethane	U	J4	0.000437	0.00560	1	03/28/2018 15:44	WG1089852
Bromoform	U		0.000475	0.00112	1	03/28/2018 15:44	WG1089852
Bromomethane	U		0.00150	0.00560	1	03/28/2018 15:44	WG1089852
n-Butylbenzene	U		0.000289	0.00112	1	03/28/2018 15:44	WG1089852
sec-Butylbenzene	U		0.000225	0.00112	1	03/28/2018 15:44	WG1089852
tert-Butylbenzene	U		0.000231	0.00112	1	03/28/2018 15:44	WG1089852
Carbon disulfide	0.000488	J	0.000247	0.00112	1	03/28/2018 15:44	WG1089852
Carbon tetrachloride	U		0.000367	0.00112	1	03/28/2018 15:44	WG1089852
Chlorobenzene	U		0.000237	0.00112	1	03/28/2018 15:44	WG1089852
Chlorodibromomethane	U		0.000418	0.00112	1	03/28/2018 15:44	WG1089852
Chloroethane	U		0.00106	0.00560	1	03/28/2018 15:44	WG1089852
Chloroform	U		0.000256	0.00560	1	03/28/2018 15:44	WG1089852
Chloromethane	U		0.000420	0.00280	1	03/28/2018 15:44	WG1089852
2-Chlorotoluene	U		0.000337	0.00112	1	03/28/2018 15:44	WG1089852
4-Chlorotoluene	U		0.000269	0.00112	1	03/28/2018 15:44	WG1089852
1,2-Dibromo-3-Chloropropane	U		0.00118	0.00560	1	03/28/2018 15:44	WG1089852
1,2-Dibromoethane	U		0.000384	0.00112	1	03/28/2018 15:44	WG1089852
Dibromomethane	U		0.000428	0.00112	1	03/28/2018 15:44	WG1089852
1,2-Dichlorobenzene	U		0.000341	0.00112	1	03/28/2018 15:44	WG1089852
1,3-Dichlorobenzene	U		0.000268	0.00112	1	03/28/2018 15:44	WG1089852
1,4-Dichlorobenzene	U		0.000253	0.00112	1	03/28/2018 15:44	WG1089852
Dichlorodifluoromethane	U		0.000798	0.00560	1	03/28/2018 15:44	WG1089852
1,1-Dichloroethane	U		0.000223	0.00112	1	03/28/2018 15:44	WG1089852
1,2-Dichloroethane	U		0.000297	0.00112	1	03/28/2018 15:44	WG1089852
1,1-Dichloroethene	0.000919	J	0.000339	0.00112	1	03/28/2018 15:44	WG1089852
cis-1,2-Dichloroethene	0.0326		0.000263	0.00112	1	03/28/2018 15:44	WG1089852
trans-1,2-Dichloroethene	U		0.000296	0.00112	1	03/28/2018 15:44	WG1089852
1,2-Dichloropropane	U		0.000401	0.00112	1	03/28/2018 15:44	WG1089852
1,1-Dichloropropene	U		0.000355	0.00112	1	03/28/2018 15:44	WG1089852
1,3-Dichloropropane	U		0.000232	0.00112	1	03/28/2018 15:44	WG1089852
cis-1,3-Dichloropropene	U		0.000293	0.00112	1	03/28/2018 15:44	WG1089852
trans-1,3-Dichloropropene	U		0.000299	0.00112	1	03/28/2018 15:44	WG1089852
trans-1,4-Dichloro-2-butene	U		0.000871	0.00280	1	03/28/2018 15:44	WG1089852
2,2-Dichloropropane	U		0.000312	0.00112	1	03/28/2018 15:44	WG1089852
Di-isopropyl ether	U		0.000278	0.00112	1	03/28/2018 15:44	WG1089852
Ethylbenzene	U		0.000333	0.00112	1	03/28/2018 15:44	WG1089852
Hexachloro-1,3-butadiene	U		0.000383	0.00112	1	03/28/2018 15:44	WG1089852
2-Hexanone	U		0.00153	0.0112	1	03/28/2018 15:44	WG1089852
n-Hexane	U		0.000325	0.0112	1	03/28/2018 15:44	WG1089852
Iodomethane	U		0.00283	0.0112	1	03/28/2018 15:44	WG1089852
Isopropylbenzene	U		0.000272	0.00112	1	03/28/2018 15:44	WG1089852
p-Isopropyltoluene	U		0.000228	0.00112	1	03/28/2018 15:44	WG1089852
2-Butanone (MEK)	U		0.00524	0.0112	1	03/28/2018 15:44	WG1089852
Methylene Chloride	U		0.00112	0.00560	1	03/28/2018 15:44	WG1089852
4-Methyl-2-pentanone (MIBK)	U		0.00210	0.0112	1	03/28/2018 15:44	WG1089852

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000237	0.00112	1	03/28/2018 15:44	WG1089852
Naphthalene	U		0.00112	0.00560	1	03/28/2018 15:44	WG1089852
n-Propylbenzene	U		0.000231	0.00112	1	03/28/2018 15:44	WG1089852
Styrene	U		0.000262	0.00112	1	03/28/2018 15:44	WG1089852
1,1,1,2-Tetrachloroethane	U		0.000296	0.00112	1	03/28/2018 15:44	WG1089852
1,1,2,2-Tetrachloroethane	U		0.000409	0.00112	1	03/28/2018 15:44	WG1089852
1,1,2-Trichlorotrifluoroethane	U		0.000409	0.00112	1	03/28/2018 15:44	WG1089852
Tetrachloroethene	0.0326		0.000309	0.00112	1	03/28/2018 15:44	WG1089852
Toluene	U		0.000486	0.00560	1	03/28/2018 15:44	WG1089852
1,2,3-Trichlorobenzene	U	J4	0.000343	0.00112	1	03/28/2018 15:44	WG1089852
1,2,4-Trichlorobenzene	U	J4	0.000434	0.00112	1	03/28/2018 15:44	WG1089852
1,1,1-Trichloroethane	U		0.000320	0.00112	1	03/28/2018 15:44	WG1089852
1,1,2-Trichloroethane	U		0.000310	0.00112	1	03/28/2018 15:44	WG1089852
Trichloroethene	0.0180		0.000312	0.00112	1	03/28/2018 15:44	WG1089852
Trichlorofluoromethane	U		0.000428	0.00560	1	03/28/2018 15:44	WG1089852
1,2,3-Trichloropropane	U		0.000830	0.00280	1	03/28/2018 15:44	WG1089852
1,2,4-Trimethylbenzene	U		0.000236	0.00112	1	03/28/2018 15:44	WG1089852
1,2,3-Trimethylbenzene	U		0.000321	0.00112	1	03/28/2018 15:44	WG1089852
1,3,5-Trimethylbenzene	U		0.000298	0.00112	1	03/28/2018 15:44	WG1089852
Vinyl acetate	U	J4	0.00268	0.0112	1	03/28/2018 15:44	WG1089852
Vinyl chloride	0.0108		0.000326	0.00112	1	03/28/2018 15:44	WG1089852
Xylenes, Total	U		0.000781	0.00336	1	03/28/2018 15:44	WG1089852
(S) Toluene-d8	*100*			*80.0-120*		*03/28/2018 15:44*	WG1089852
(S) Dibromofluoromethane	*114*			*74.0-131*		*03/28/2018 15:44*	WG1089852
(S) 4-Bromofluorobenzene	*110*			*64.0-132*		*03/28/2018 15:44*	WG1089852

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	91.4		1	03/27/2018 15:23	WG1089691

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.0204	J J0	0.0109	0.0547	1	03/28/2018 16:05	WG1089852
Acrylonitrile	U		0.00196	0.0109	1	03/28/2018 16:05	WG1089852
Benzene	U		0.000296	0.00109	1	03/28/2018 16:05	WG1089852
Bromobenzene	U		0.000311	0.00109	1	03/28/2018 16:05	WG1089852
Bromodichloromethane	U		0.000278	0.00109	1	03/28/2018 16:05	WG1089852
Bromochloromethane	U	J4	0.000427	0.00547	1	03/28/2018 16:05	WG1089852
Bromoform	U		0.000464	0.00109	1	03/28/2018 16:05	WG1089852
Bromomethane	U		0.00147	0.00547	1	03/28/2018 16:05	WG1089852
n-Butylbenzene	U		0.000282	0.00109	1	03/28/2018 16:05	WG1089852
sec-Butylbenzene	U		0.000220	0.00109	1	03/28/2018 16:05	WG1089852
tert-Butylbenzene	U		0.000225	0.00109	1	03/28/2018 16:05	WG1089852
Carbon disulfide	0.00132		0.000242	0.00109	1	03/28/2018 16:05	WG1089852
Carbon tetrachloride	U		0.000359	0.00109	1	03/28/2018 16:05	WG1089852
Chlorobenzene	U		0.000232	0.00109	1	03/28/2018 16:05	WG1089852
Chlorodibromomethane	U		0.000408	0.00109	1	03/28/2018 16:05	WG1089852
Chloroethane	U		0.00104	0.00547	1	03/28/2018 16:05	WG1089852
Chloroform	U		0.000251	0.00547	1	03/28/2018 16:05	WG1089852
Chloromethane	U		0.000410	0.00274	1	03/28/2018 16:05	WG1089852
2-Chlorotoluene	U		0.000329	0.00109	1	03/28/2018 16:05	WG1089852
4-Chlorotoluene	U		0.000263	0.00109	1	03/28/2018 16:05	WG1089852
1,2-Dibromo-3-Chloropropane	U		0.00115	0.00547	1	03/28/2018 16:05	WG1089852
1,2-Dibromoethane	U		0.000375	0.00109	1	03/28/2018 16:05	WG1089852
Dibromomethane	U		0.000418	0.00109	1	03/28/2018 16:05	WG1089852
1,2-Dichlorobenzene	U		0.000334	0.00109	1	03/28/2018 16:05	WG1089852
1,3-Dichlorobenzene	U		0.000262	0.00109	1	03/28/2018 16:05	WG1089852
1,4-Dichlorobenzene	U		0.000247	0.00109	1	03/28/2018 16:05	WG1089852
Dichlorodifluoromethane	U		0.000780	0.00547	1	03/28/2018 16:05	WG1089852
1,1-Dichloroethane	U		0.000218	0.00109	1	03/28/2018 16:05	WG1089852
1,2-Dichloroethane	U		0.000290	0.00109	1	03/28/2018 16:05	WG1089852
1,1-Dichloroethene	U		0.000332	0.00109	1	03/28/2018 16:05	WG1089852
cis-1,2-Dichloroethene	0.00224		0.000257	0.00109	1	03/28/2018 16:05	WG1089852
trans-1,2-Dichloroethene	U		0.000289	0.00109	1	03/28/2018 16:05	WG1089852
1,2-Dichloropropane	U		0.000392	0.00109	1	03/28/2018 16:05	WG1089852
1,1-Dichloropropene	U		0.000347	0.00109	1	03/28/2018 16:05	WG1089852
1,3-Dichloropropane	U		0.000227	0.00109	1	03/28/2018 16:05	WG1089852
cis-1,3-Dichloropropene	U		0.000287	0.00109	1	03/28/2018 16:05	WG1089852
trans-1,3-Dichloropropene	U		0.000292	0.00109	1	03/28/2018 16:05	WG1089852
trans-1,4-Dichloro-2-butene	U		0.000852	0.00274	1	03/28/2018 16:05	WG1089852
2,2-Dichloropropane	U		0.000305	0.00109	1	03/28/2018 16:05	WG1089852
Di-isopropyl ether	U		0.000271	0.00109	1	03/28/2018 16:05	WG1089852
Ethylbenzene	U		0.000325	0.00109	1	03/28/2018 16:05	WG1089852
Hexachloro-1,3-butadiene	U		0.000374	0.00109	1	03/28/2018 16:05	WG1089852
2-Hexanone	U		0.00150	0.0109	1	03/28/2018 16:05	WG1089852
n-Hexane	U		0.000317	0.0109	1	03/28/2018 16:05	WG1089852
Iodomethane	U		0.00277	0.0109	1	03/28/2018 16:05	WG1089852
Isopropylbenzene	U		0.000266	0.00109	1	03/28/2018 16:05	WG1089852
p-Isopropyltoluene	U		0.000223	0.00109	1	03/28/2018 16:05	WG1089852
2-Butanone (MEK)	U		0.00512	0.0109	1	03/28/2018 16:05	WG1089852
Methylene Chloride	U		0.00109	0.00547	1	03/28/2018 16:05	WG1089852
4-Methyl-2-pentanone (MIBK)	U		0.00206	0.0109	1	03/28/2018 16:05	WG1089852

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000232	0.00109	1	03/28/2018 16:05	WG1089852
Naphthalene	U		0.00109	0.00547	1	03/28/2018 16:05	WG1089852
n-Propylbenzene	U		0.000225	0.00109	1	03/28/2018 16:05	WG1089852
Styrene	U		0.000256	0.00109	1	03/28/2018 16:05	WG1089852
1,1,1,2-Tetrachloroethane	U		0.000289	0.00109	1	03/28/2018 16:05	WG1089852
1,1,2,2-Tetrachloroethane	U		0.000400	0.00109	1	03/28/2018 16:05	WG1089852
1,1,2-Trichlorotrifluoroethane	U		0.000400	0.00109	1	03/28/2018 16:05	WG1089852
Tetrachloroethene	0.0342		0.000302	0.00109	1	03/28/2018 16:05	WG1089852
Toluene	U		0.000475	0.00547	1	03/28/2018 16:05	WG1089852
1,2,3-Trichlorobenzene	U	J4	0.000335	0.00109	1	03/28/2018 16:05	WG1089852
1,2,4-Trichlorobenzene	U	J4	0.000425	0.00109	1	03/28/2018 16:05	WG1089852
1,1,1-Trichloroethane	U		0.000313	0.00109	1	03/28/2018 16:05	WG1089852
1,1,2-Trichloroethane	U		0.000303	0.00109	1	03/28/2018 16:05	WG1089852
Trichloroethene	0.00314		0.000305	0.00109	1	03/28/2018 16:05	WG1089852
Trichlorofluoromethane	U		0.000418	0.00547	1	03/28/2018 16:05	WG1089852
1,2,3-Trichloropropane	U		0.000811	0.00274	1	03/28/2018 16:05	WG1089852
1,2,4-Trimethylbenzene	U		0.000231	0.00109	1	03/28/2018 16:05	WG1089852
1,2,3-Trimethylbenzene	U		0.000314	0.00109	1	03/28/2018 16:05	WG1089852
1,3,5-Trimethylbenzene	U		0.000291	0.00109	1	03/28/2018 16:05	WG1089852
Vinyl acetate	U	J4	0.00262	0.0109	1	03/28/2018 16:05	WG1089852
Vinyl chloride	U		0.000319	0.00109	1	03/28/2018 16:05	WG1089852
Xylenes, Total	U		0.000764	0.00328	1	03/28/2018 16:05	WG1089852
(S) Toluene-d8	*102*			*80.0-120*		*03/28/2018 16:05*	WG1089852
(S) Dibromofluoromethane	*116*			*74.0-131*		*03/28/2018 16:05*	WG1089852
(S) 4-Bromofluorobenzene	*106*			*64.0-132*		*03/28/2018 16:05*	WG1089852

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	92.8		1	03/27/2018 15:23	WG1089691

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0108	0.0539	1	03/28/2018 16:36	WG1089852
Acrylonitrile	U		0.00193	0.0108	1	03/28/2018 16:36	WG1089852
Benzene	U		0.000291	0.00108	1	03/28/2018 16:36	WG1089852
Bromobenzene	U		0.000306	0.00108	1	03/28/2018 16:36	WG1089852
Bromodichloromethane	U		0.000274	0.00108	1	03/28/2018 16:36	WG1089852
Bromochloromethane	U	J4	0.000420	0.00539	1	03/28/2018 16:36	WG1089852
Bromoform	U		0.000457	0.00108	1	03/28/2018 16:36	WG1089852
Bromomethane	U		0.00144	0.00539	1	03/28/2018 16:36	WG1089852
n-Butylbenzene	U		0.000278	0.00108	1	03/28/2018 16:36	WG1089852
sec-Butylbenzene	U		0.000217	0.00108	1	03/28/2018 16:36	WG1089852
tert-Butylbenzene	U		0.000222	0.00108	1	03/28/2018 16:36	WG1089852
Carbon disulfide	U		0.000238	0.00108	1	03/28/2018 16:36	WG1089852
Carbon tetrachloride	U		0.000354	0.00108	1	03/28/2018 16:36	WG1089852
Chlorobenzene	U		0.000229	0.00108	1	03/28/2018 16:36	WG1089852
Chlorodibromomethane	U		0.000402	0.00108	1	03/28/2018 16:36	WG1089852
Chloroethane	U		0.00102	0.00539	1	03/28/2018 16:36	WG1089852
Chloroform	U		0.000247	0.00539	1	03/28/2018 16:36	WG1089852
Chloromethane	U		0.000404	0.00269	1	03/28/2018 16:36	WG1089852
2-Chlorotoluene	U		0.000324	0.00108	1	03/28/2018 16:36	WG1089852
4-Chlorotoluene	U		0.000259	0.00108	1	03/28/2018 16:36	WG1089852
1,2-Dibromo-3-Chloropropane	U		0.00113	0.00539	1	03/28/2018 16:36	WG1089852
1,2-Dibromoethane	U		0.000370	0.00108	1	03/28/2018 16:36	WG1089852
Dibromomethane	U		0.000412	0.00108	1	03/28/2018 16:36	WG1089852
1,2-Dichlorobenzene	U		0.000329	0.00108	1	03/28/2018 16:36	WG1089852
1,3-Dichlorobenzene	U		0.000258	0.00108	1	03/28/2018 16:36	WG1089852
1,4-Dichlorobenzene	U		0.000244	0.00108	1	03/28/2018 16:36	WG1089852
Dichlorodifluoromethane	U		0.000769	0.00539	1	03/28/2018 16:36	WG1089852
1,1-Dichloroethane	U		0.000215	0.00108	1	03/28/2018 16:36	WG1089852
1,2-Dichloroethane	U		0.000286	0.00108	1	03/28/2018 16:36	WG1089852
1,1-Dichloroethene	U		0.000327	0.00108	1	03/28/2018 16:36	WG1089852
cis-1,2-Dichloroethene	0.00634		0.000253	0.00108	1	03/28/2018 16:36	WG1089852
trans-1,2-Dichloroethene	U		0.000285	0.00108	1	03/28/2018 16:36	WG1089852
1,2-Dichloropropane	U		0.000386	0.00108	1	03/28/2018 16:36	WG1089852
1,1-Dichloropropene	U		0.000342	0.00108	1	03/28/2018 16:36	WG1089852
1,3-Dichloropropane	U		0.000223	0.00108	1	03/28/2018 16:36	WG1089852
cis-1,3-Dichloropropene	U		0.000282	0.00108	1	03/28/2018 16:36	WG1089852
trans-1,3-Dichloropropene	U		0.000288	0.00108	1	03/28/2018 16:36	WG1089852
trans-1,4-Dichloro-2-butene	U		0.000839	0.00269	1	03/28/2018 16:36	WG1089852
2,2-Dichloropropane	U		0.000301	0.00108	1	03/28/2018 16:36	WG1089852
Di-isopropyl ether	U		0.000267	0.00108	1	03/28/2018 16:36	WG1089852
Ethylbenzene	U		0.000320	0.00108	1	03/28/2018 16:36	WG1089852
Hexachloro-1,3-butadiene	U		0.000369	0.00108	1	03/28/2018 16:36	WG1089852
2-Hexanone	U		0.00148	0.0108	1	03/28/2018 16:36	WG1089852
n-Hexane	U		0.000313	0.0108	1	03/28/2018 16:36	WG1089852
Iodomethane	U		0.00273	0.0108	1	03/28/2018 16:36	WG1089852
Isopropylbenzene	U		0.000262	0.00108	1	03/28/2018 16:36	WG1089852
p-Isopropyltoluene	U		0.000220	0.00108	1	03/28/2018 16:36	WG1089852
2-Butanone (MEK)	U		0.00504	0.0108	1	03/28/2018 16:36	WG1089852
Methylene Chloride	U		0.00108	0.00539	1	03/28/2018 16:36	WG1089852
4-Methyl-2-pentanone (MIBK)	U		0.00203	0.0108	1	03/28/2018 16:36	WG1089852

IW-8B-10

Collected date/time: 03/19/18 15:50

SAMPLE RESULTS - 15

L979234

Volatile Organic Compounds (GC/MS) by Method 8260C

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg		date / time	
Methyl tert-butyl ether	U		0.000229	0.00108	1	03/28/2018 16:36	WG1089852
Naphthalene	U		0.00108	0.00539	1	03/28/2018 16:36	WG1089852
n-Propylbenzene	U		0.000222	0.00108	1	03/28/2018 16:36	WG1089852
Styrene	U		0.000252	0.00108	1	03/28/2018 16:36	WG1089852
1,1,1,2-Tetrachloroethane	U		0.000285	0.00108	1	03/28/2018 16:36	WG1089852
1,1,2,2-Tetrachloroethane	U		0.000393	0.00108	1	03/28/2018 16:36	WG1089852
1,1,2-Trichlorotrifluoroethane	U		0.000393	0.00108	1	03/28/2018 16:36	WG1089852
Tetrachloroethene	0.0432		0.000298	0.00108	1	03/28/2018 16:36	WG1089852
Toluene	U		0.000468	0.00539	1	03/28/2018 16:36	WG1089852
1,2,3-Trichlorobenzene	U	J4	0.000330	0.00108	1	03/28/2018 16:36	WG1089852
1,2,4-Trichlorobenzene	U	J4	0.000418	0.00108	1	03/28/2018 16:36	WG1089852
1,1,1-Trichloroethane	U		0.000308	0.00108	1	03/28/2018 16:36	WG1089852
1,1,2-Trichloroethane	U		0.000299	0.00108	1	03/28/2018 16:36	WG1089852
Trichloroethene	0.00481		0.000301	0.00108	1	03/28/2018 16:36	WG1089852
Trichlorofluoromethane	U		0.000412	0.00539	1	03/28/2018 16:36	WG1089852
1,2,3-Trichloropropane	U		0.000799	0.00269	1	03/28/2018 16:36	WG1089852
1,2,4-Trimethylbenzene	U		0.000227	0.00108	1	03/28/2018 16:36	WG1089852
1,2,3-Trimethylbenzene	U		0.000309	0.00108	1	03/28/2018 16:36	WG1089852
1,3,5-Trimethylbenzene	U		0.000287	0.00108	1	03/28/2018 16:36	WG1089852
Vinyl acetate	U	J4	0.00258	0.0108	1	03/28/2018 16:36	WG1089852
Vinyl chloride	U		0.000314	0.00108	1	03/28/2018 16:36	WG1089852
Xylenes, Total	U		0.000752	0.00323	1	03/28/2018 16:36	WG1089852
(S) Toluene-d8	*103*			*80.0-120*		*03/28/2018 16:36*	WG1089852
(S) Dibromofluoromethane	*119*			*74.0-131*		*03/28/2018 16:36*	WG1089852
(S) 4-Bromofluorobenzene	*109*			*64.0-132*		*03/28/2018 16:36*	WG1089852

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	86.9		1	03/27/2018 15:23	WG1089691

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U	J0	2.88	14.4	250	03/28/2018 17:03	WG1090297
Acrylonitrile	U		0.516	2.88	250	03/28/2018 17:03	WG1090297
Benzene	U		0.0777	0.288	250	03/28/2018 17:03	WG1090297
Bromobenzene	U		0.0817	0.288	250	03/28/2018 17:03	WG1090297
Bromodichloromethane	U		0.0731	0.288	250	03/28/2018 17:03	WG1090297
Bromochloromethane	U		0.112	1.44	250	03/28/2018 17:03	WG1090297
Bromoform	U	J0	0.122	0.288	250	03/28/2018 17:03	WG1090297
Bromomethane	U		0.386	1.44	250	03/28/2018 17:03	WG1090297
n-Butylbenzene	U		0.0742	0.288	250	03/28/2018 17:03	WG1090297
sec-Butylbenzene	U		0.0578	0.288	250	03/28/2018 17:03	WG1090297
tert-Butylbenzene	U		0.0593	0.288	250	03/28/2018 17:03	WG1090297
Carbon disulfide	U	J0	0.0635	0.288	250	03/28/2018 17:03	WG1090297
Carbon tetrachloride	U		0.0944	0.288	250	03/28/2018 17:03	WG1090297
Chlorobenzene	U		0.0610	0.288	250	03/28/2018 17:03	WG1090297
Chlorodibromomethane	U		0.107	0.288	250	03/28/2018 17:03	WG1090297
Chloroethane	U		0.272	1.44	250	03/28/2018 17:03	WG1090297
Chloroform	U		0.0658	1.44	250	03/28/2018 17:03	WG1090297
Chloromethane	U	J0	0.108	0.719	250	03/28/2018 17:03	WG1090297
2-Chlorotoluene	U		0.0865	0.288	250	03/28/2018 17:03	WG1090297
4-Chlorotoluene	U		0.0691	0.288	250	03/28/2018 17:03	WG1090297
1,2-Dibromo-3-Chloropropane	U		0.302	1.44	250	03/28/2018 17:03	WG1090297
1,2-Dibromoethane	U		0.0987	0.288	250	03/28/2018 17:03	WG1090297
Dibromomethane	U		0.110	0.288	250	03/28/2018 17:03	WG1090297
1,2-Dichlorobenzene	U		0.0877	0.288	250	03/28/2018 17:03	WG1090297
1,3-Dichlorobenzene	U		0.0688	0.288	250	03/28/2018 17:03	WG1090297
1,4-Dichlorobenzene	U		0.0650	0.288	250	03/28/2018 17:03	WG1090297
Dichlorodifluoromethane	U	J0	0.205	1.44	250	03/28/2018 17:03	WG1090297
1,1-Dichloroethane	U		0.0573	0.288	250	03/28/2018 17:03	WG1090297
1,2-Dichloroethane	U		0.0762	0.288	250	03/28/2018 17:03	WG1090297
1,1-Dichloroethene	U		0.0872	0.288	250	03/28/2018 17:03	WG1090297
cis-1,2-Dichloroethene	0.198	J	0.0677	0.288	250	03/28/2018 17:03	WG1090297
trans-1,2-Dichloroethene	U		0.0760	0.288	250	03/28/2018 17:03	WG1090297
1,2-Dichloropropane	U		0.103	0.288	250	03/28/2018 17:03	WG1090297
1,1-Dichloropropene	U		0.0911	0.288	250	03/28/2018 17:03	WG1090297
1,3-Dichloropropane	U		0.0596	0.288	250	03/28/2018 17:03	WG1090297
cis-1,3-Dichloropropene	U		0.0754	0.288	250	03/28/2018 17:03	WG1090297
trans-1,3-Dichloropropene	U		0.0769	0.288	250	03/28/2018 17:03	WG1090297
trans-1,4-Dichloro-2-butene	U	J0	0.223	0.719	250	03/28/2018 17:03	WG1090297
2,2-Dichloropropane	U		0.0803	0.288	250	03/28/2018 17:03	WG1090297
Di-isopropyl ether	U	J0	0.0714	0.288	250	03/28/2018 17:03	WG1090297
Ethylbenzene	U		0.0854	0.288	250	03/28/2018 17:03	WG1090297
Hexachloro-1,3-butadiene	U		0.0984	0.288	250	03/28/2018 17:03	WG1090297
2-Hexanone	U		0.394	2.88	250	03/28/2018 17:03	WG1090297
n-Hexane	U	J0	0.0834	2.88	250	03/28/2018 17:03	WG1090297
Iodomethane	U		0.727	2.88	250	03/28/2018 17:03	WG1090297
Isopropylbenzene	U		0.0700	0.288	250	03/28/2018 17:03	WG1090297
p-Isopropyltoluene	U		0.0587	0.288	250	03/28/2018 17:03	WG1090297
2-Butanone (MEK)	U	J0	1.35	2.88	250	03/28/2018 17:03	WG1090297
Methylene Chloride	U		0.288	1.44	250	03/28/2018 17:03	WG1090297
4-Methyl-2-pentanone (MIBK)	U		0.541	2.88	250	03/28/2018 17:03	WG1090297

IW-8B-15

Collected date/time: 03/19/18 16:05

SAMPLE RESULTS - 16

L979234

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.0610	0.288	250	03/28/2018 17:03	WG1090297
Naphthalene	U		0.288	1.44	250	03/28/2018 17:03	WG1090297
n-Propylbenzene	U		0.0593	0.288	250	03/28/2018 17:03	WG1090297
Styrene	U		0.0673	0.288	250	03/28/2018 17:03	WG1090297
1,1,1,2-Tetrachloroethane	U		0.0760	0.288	250	03/28/2018 17:03	WG1090297
1,1,2,2-Tetrachloroethane	U		0.105	0.288	250	03/28/2018 17:03	WG1090297
1,1,2-Trichlorotrifluoroethane	U		0.105	0.288	250	03/28/2018 17:03	WG1090297
Tetrachloroethene	29.6		0.0794	0.288	250	03/28/2018 17:03	WG1090297
Toluene	U		0.124	1.44	250	03/28/2018 17:03	WG1090297
1,2,3-Trichlorobenzene	U		0.0880	0.288	250	03/28/2018 17:03	WG1090297
1,2,4-Trichlorobenzene	U		0.112	0.288	250	03/28/2018 17:03	WG1090297
1,1,1-Trichloroethane	U		0.0823	0.288	250	03/28/2018 17:03	WG1090297
1,1,2-Trichloroethane	U		0.0796	0.288	250	03/28/2018 17:03	WG1090297
Trichloroethene	0.243	J	0.0803	0.288	250	03/28/2018 17:03	WG1090297
Trichlorofluoromethane	U		0.110	1.44	250	03/28/2018 17:03	WG1090297
1,2,3-Trichloropropane	U		0.213	0.719	250	03/28/2018 17:03	WG1090297
1,2,4-Trimethylbenzene	U		0.0608	0.288	250	03/28/2018 17:03	WG1090297
1,2,3-Trimethylbenzene	U		0.0826	0.288	250	03/28/2018 17:03	WG1090297
1,3,5-Trimethylbenzene	U		0.0765	0.288	250	03/28/2018 17:03	WG1090297
Vinyl acetate	U		0.688	2.88	250	03/28/2018 17:03	WG1090297
Vinyl chloride	U		0.0838	0.288	250	03/28/2018 17:03	WG1090297
Xylenes, Total	U		0.200	0.863	250	03/28/2018 17:03	WG1090297
(S) Toluene-d8	*110*			*80.0-120*		*03/28/2018 17:03*	WG1090297
(S) Dibromofluoromethane	*97.7*			*74.0-131*		*03/28/2018 17:03*	WG1090297
(S) 4-Bromofluorobenzene	*89.0*			*64.0-132*		*03/28/2018 17:03*	WG1090297

Sample Narrative:

L979234-16 WG1090297: Target compounds too high to run at a lower dilution.

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	91.1		1	03/27/2018 15:23	WG1089691

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0110	0.0549	1	03/28/2018 00:40	WG1089430
Acrylonitrile	U		0.00196	0.0110	1	03/28/2018 00:40	WG1089430
Benzene	U		0.000296	0.00110	1	03/28/2018 00:40	WG1089430
Bromobenzene	U		0.000312	0.00110	1	03/28/2018 00:40	WG1089430
Bromodichloromethane	U		0.000279	0.00110	1	03/28/2018 00:40	WG1089430
Bromochloromethane	U		0.000428	0.00549	1	03/28/2018 00:40	WG1089430
Bromoform	U		0.000465	0.00110	1	03/28/2018 00:40	WG1089430
Bromomethane	U		0.00147	0.00549	1	03/28/2018 00:40	WG1089430
n-Butylbenzene	U		0.000283	0.00110	1	03/28/2018 00:40	WG1089430
sec-Butylbenzene	U		0.000221	0.00110	1	03/28/2018 00:40	WG1089430
tert-Butylbenzene	U		0.000226	0.00110	1	03/28/2018 00:40	WG1089430
Carbon disulfide	0.00201		0.000243	0.00110	1	03/28/2018 00:40	WG1089430
Carbon tetrachloride	U		0.000360	0.00110	1	03/28/2018 00:40	WG1089430
Chlorobenzene	U		0.000233	0.00110	1	03/28/2018 00:40	WG1089430
Chlorodibromomethane	U		0.000409	0.00110	1	03/28/2018 00:40	WG1089430
Chloroethane	U		0.00104	0.00549	1	03/28/2018 00:40	WG1089430
Chloroform	0.000493	J	0.000251	0.00549	1	03/28/2018 00:40	WG1089430
Chloromethane	U		0.000412	0.00274	1	03/28/2018 00:40	WG1089430
2-Chlorotoluene	U		0.000330	0.00110	1	03/28/2018 00:40	WG1089430
4-Chlorotoluene	U		0.000263	0.00110	1	03/28/2018 00:40	WG1089430
1,2-Dibromo-3-Chloropropane	U	J0	0.00115	0.00549	1	03/28/2018 00:40	WG1089430
1,2-Dibromoethane	U		0.000376	0.00110	1	03/28/2018 00:40	WG1089430
Dibromomethane	U		0.000419	0.00110	1	03/28/2018 00:40	WG1089430
1,2-Dichlorobenzene	U		0.000335	0.00110	1	03/28/2018 00:40	WG1089430
1,3-Dichlorobenzene	U		0.000262	0.00110	1	03/28/2018 00:40	WG1089430
1,4-Dichlorobenzene	U		0.000248	0.00110	1	03/28/2018 00:40	WG1089430
Dichlorodifluoromethane	U		0.000782	0.00549	1	03/28/2018 00:40	WG1089430
1,1-Dichloroethane	U		0.000218	0.00110	1	03/28/2018 00:40	WG1089430
1,2-Dichloroethane	U		0.000291	0.00110	1	03/28/2018 00:40	WG1089430
1,1-Dichloroethene	0.000478	J	0.000332	0.00110	1	03/28/2018 00:40	WG1089430
cis-1,2-Dichloroethene	0.117		0.000258	0.00110	1	03/28/2018 00:40	WG1089430
trans-1,2-Dichloroethene	0.00141		0.000290	0.00110	1	03/28/2018 00:40	WG1089430
1,2-Dichloropropane	U		0.000393	0.00110	1	03/28/2018 00:40	WG1089430
1,1-Dichloropropene	U		0.000348	0.00110	1	03/28/2018 00:40	WG1089430
1,3-Dichloropropane	U		0.000227	0.00110	1	03/28/2018 00:40	WG1089430
cis-1,3-Dichloropropene	U		0.000288	0.00110	1	03/28/2018 00:40	WG1089430
trans-1,3-Dichloropropene	U		0.000293	0.00110	1	03/28/2018 00:40	WG1089430
trans-1,4-Dichloro-2-butene	U	J0	0.000854	0.00274	1	03/28/2018 00:40	WG1089430
2,2-Dichloropropane	U		0.000306	0.00110	1	03/28/2018 00:40	WG1089430
Di-isopropyl ether	U		0.000272	0.00110	1	03/28/2018 00:40	WG1089430
Ethylbenzene	U		0.000326	0.00110	1	03/28/2018 00:40	WG1089430
Hexachloro-1,3-butadiene	U		0.000375	0.00110	1	03/28/2018 00:40	WG1089430
2-Hexanone	U	J0	0.00150	0.0110	1	03/28/2018 00:40	WG1089430
n-Hexane	U		0.000318	0.0110	1	03/28/2018 00:40	WG1089430
Iodomethane	U		0.00278	0.0110	1	03/28/2018 00:40	WG1089430
Isopropylbenzene	U		0.000267	0.00110	1	03/28/2018 00:40	WG1089430
p-Isopropyltoluene	U		0.000224	0.00110	1	03/28/2018 00:40	WG1089430
2-Butanone (MEK)	U		0.00514	0.0110	1	03/28/2018 00:40	WG1089430
Methylene Chloride	U		0.00110	0.00549	1	03/28/2018 00:40	WG1089430
4-Methyl-2-pentanone (MIBK)	U		0.00206	0.0110	1	03/28/2018 00:40	WG1089430

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000233	0.00110	1	03/28/2018 00:40	WG1089430
Naphthalene	U		0.00110	0.00549	1	03/28/2018 00:40	WG1089430
n-Propylbenzene	U		0.000226	0.00110	1	03/28/2018 00:40	WG1089430
Styrene	U		0.000257	0.00110	1	03/28/2018 00:40	WG1089430
1,1,1,2-Tetrachloroethane	U		0.000290	0.00110	1	03/28/2018 00:40	WG1089430
1,1,2,2-Tetrachloroethane	U		0.000401	0.00110	1	03/28/2018 00:40	WG1089430
1,1,2-Trichlorotrifluoroethane	U		0.000401	0.00110	1	03/28/2018 00:40	WG1089430
Tetrachloroethene	23.9		0.303	1.10	1000	03/28/2018 13:12	WG1089430
Toluene	0.000790	J	0.000476	0.00549	1	03/28/2018 00:40	WG1089430
1,2,3-Trichlorobenzene	U		0.000336	0.00110	1	03/28/2018 00:40	WG1089430
1,2,4-Trichlorobenzene	U		0.000426	0.00110	1	03/28/2018 00:40	WG1089430
1,1,1-Trichloroethane	U		0.000314	0.00110	1	03/28/2018 00:40	WG1089430
1,1,2-Trichloroethane	U		0.000304	0.00110	1	03/28/2018 00:40	WG1089430
Trichloroethene	0.105		0.000306	0.00110	1	03/28/2018 00:40	WG1089430
Trichlorofluoromethane	U	J0 J4	0.000419	0.00549	1	03/28/2018 00:40	WG1089430
1,2,3-Trichloropropane	U		0.000813	0.00274	1	03/28/2018 00:40	WG1089430
1,2,4-Trimethylbenzene	U		0.000232	0.00110	1	03/28/2018 00:40	WG1089430
1,2,3-Trimethylbenzene	U		0.000315	0.00110	1	03/28/2018 00:40	WG1089430
1,3,5-Trimethylbenzene	U		0.000292	0.00110	1	03/28/2018 00:40	WG1089430
Vinyl acetate	U	J4	0.00262	0.0110	1	03/28/2018 00:40	WG1089430
Vinyl chloride	0.00354		0.000319	0.00110	1	03/28/2018 00:40	WG1089430
Xylenes, Total	U		0.000766	0.00329	1	03/28/2018 00:40	WG1089430
(S) Toluene-d8	*108*			*80.0-120*		*03/28/2018 13:12*	WG1089430
(S) Toluene-d8	*99.3*			*80.0-120*		*03/28/2018 00:40*	WG1089430
(S) Dibromofluoromethane	*104*			*74.0-131*		*03/28/2018 13:12*	WG1089430
(S) Dibromofluoromethane	*110*			*74.0-131*		*03/28/2018 00:40*	WG1089430
(S) 4-Bromofluorobenzene	*106*			*64.0-132*		*03/28/2018 00:40*	WG1089430
(S) 4-Bromofluorobenzene	*103*			*64.0-132*		*03/28/2018 13:12*	WG1089430

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	85.4		1	03/27/2018 15:23	WG1089691

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0117	0.0585	1	03/28/2018 01:01	WG1089430
Acrylonitrile	U		0.00209	0.0117	1	03/28/2018 01:01	WG1089430
Benzene	U		0.000316	0.00117	1	03/28/2018 01:01	WG1089430
Bromobenzene	U		0.000332	0.00117	1	03/28/2018 01:01	WG1089430
Bromodichloromethane	U		0.000297	0.00117	1	03/28/2018 01:01	WG1089430
Bromochloromethane	U		0.000456	0.00585	1	03/28/2018 01:01	WG1089430
Bromoform	U		0.000496	0.00117	1	03/28/2018 01:01	WG1089430
Bromomethane	U		0.00157	0.00585	1	03/28/2018 01:01	WG1089430
n-Butylbenzene	U		0.000302	0.00117	1	03/28/2018 01:01	WG1089430
sec-Butylbenzene	U		0.000235	0.00117	1	03/28/2018 01:01	WG1089430
tert-Butylbenzene	U		0.000241	0.00117	1	03/28/2018 01:01	WG1089430
Carbon disulfide	U		0.000259	0.00117	1	03/28/2018 01:01	WG1089430
Carbon tetrachloride	U		0.000384	0.00117	1	03/28/2018 01:01	WG1089430
Chlorobenzene	U		0.000248	0.00117	1	03/28/2018 01:01	WG1089430
Chlorodibromomethane	U		0.000437	0.00117	1	03/28/2018 01:01	WG1089430
Chloroethane	0.00257	J	0.00111	0.00585	1	03/28/2018 01:01	WG1089430
Chloroform	U		0.000268	0.00585	1	03/28/2018 01:01	WG1089430
Chloromethane	U		0.000439	0.00293	1	03/28/2018 01:01	WG1089430
2-Chlorotoluene	U		0.000352	0.00117	1	03/28/2018 01:01	WG1089430
4-Chlorotoluene	U		0.000281	0.00117	1	03/28/2018 01:01	WG1089430
1,2-Dibromo-3-Chloropropane	U	J0	0.00123	0.00585	1	03/28/2018 01:01	WG1089430
1,2-Dibromoethane	U		0.000401	0.00117	1	03/28/2018 01:01	WG1089430
Dibromomethane	U		0.000447	0.00117	1	03/28/2018 01:01	WG1089430
1,2-Dichlorobenzene	U		0.000357	0.00117	1	03/28/2018 01:01	WG1089430
1,3-Dichlorobenzene	U		0.000280	0.00117	1	03/28/2018 01:01	WG1089430
1,4-Dichlorobenzene	U		0.000264	0.00117	1	03/28/2018 01:01	WG1089430
Dichlorodifluoromethane	U		0.000834	0.00585	1	03/28/2018 01:01	WG1089430
1,1-Dichloroethane	U		0.000233	0.00117	1	03/28/2018 01:01	WG1089430
1,2-Dichloroethane	U		0.000310	0.00117	1	03/28/2018 01:01	WG1089430
1,1-Dichloroethene	0.00248		0.000355	0.00117	1	03/28/2018 01:01	WG1089430
cis-1,2-Dichloroethene	0.319		0.00688	0.0293	25	03/28/2018 10:48	WG1089430
trans-1,2-Dichloroethene	0.00107	J	0.000309	0.00117	1	03/28/2018 01:01	WG1089430
1,2-Dichloropropane	U		0.000419	0.00117	1	03/28/2018 01:01	WG1089430
1,1-Dichloropropene	U		0.000371	0.00117	1	03/28/2018 01:01	WG1089430
1,3-Dichloropropane	U		0.000242	0.00117	1	03/28/2018 01:01	WG1089430
cis-1,3-Dichloropropene	U		0.000307	0.00117	1	03/28/2018 01:01	WG1089430
trans-1,3-Dichloropropene	U		0.000312	0.00117	1	03/28/2018 01:01	WG1089430
trans-1,4-Dichloro-2-butene	U	J0	0.000910	0.00293	1	03/28/2018 01:01	WG1089430
2,2-Dichloropropane	U		0.000327	0.00117	1	03/28/2018 01:01	WG1089430
Di-isopropyl ether	U		0.000290	0.00117	1	03/28/2018 01:01	WG1089430
Ethylbenzene	U		0.000348	0.00117	1	03/28/2018 01:01	WG1089430
Hexachloro-1,3-butadiene	U		0.000400	0.00117	1	03/28/2018 01:01	WG1089430
2-Hexanone	U	J0	0.00160	0.0117	1	03/28/2018 01:01	WG1089430
n-Hexane	U		0.000339	0.0117	1	03/28/2018 01:01	WG1089430
Iodomethane	U		0.00296	0.0117	1	03/28/2018 01:01	WG1089430
Isopropylbenzene	U		0.000284	0.00117	1	03/28/2018 01:01	WG1089430
p-Isopropyltoluene	U		0.000239	0.00117	1	03/28/2018 01:01	WG1089430
2-Butanone (MEK)	U		0.00548	0.0117	1	03/28/2018 01:01	WG1089430
Methylene Chloride	U		0.00117	0.00585	1	03/28/2018 01:01	WG1089430
4-Methyl-2-pentanone (MIBK)	U		0.00220	0.0117	1	03/28/2018 01:01	WG1089430

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000248	0.00117	1	03/28/2018 01:01	WG1089430
Naphthalene	U		0.00117	0.00585	1	03/28/2018 01:01	WG1089430
n-Propylbenzene	U		0.000241	0.00117	1	03/28/2018 01:01	WG1089430
Styrene	U		0.000274	0.00117	1	03/28/2018 01:01	WG1089430
1,1,1,2-Tetrachloroethane	U		0.000309	0.00117	1	03/28/2018 01:01	WG1089430
1,1,2,2-Tetrachloroethane	U		0.000427	0.00117	1	03/28/2018 01:01	WG1089430
1,1,2-Trichlorotrifluoroethane	U		0.000427	0.00117	1	03/28/2018 01:01	WG1089430
Tetrachloroethene	4.80		0.0323	0.117	100	03/28/2018 12:32	WG1089430
Toluene	U		0.000508	0.00585	1	03/28/2018 01:01	WG1089430
1,2,3-Trichlorobenzene	U		0.000358	0.00117	1	03/28/2018 01:01	WG1089430
1,2,4-Trichlorobenzene	U		0.000454	0.00117	1	03/28/2018 01:01	WG1089430
1,1,1-Trichloroethane	U		0.000335	0.00117	1	03/28/2018 01:01	WG1089430
1,1,2-Trichloroethane	U		0.000324	0.00117	1	03/28/2018 01:01	WG1089430
Trichloroethene	0.109		0.000327	0.00117	1	03/28/2018 01:01	WG1089430
Trichlorofluoromethane	U	J0 J4	0.000447	0.00585	1	03/28/2018 01:01	WG1089430
1,2,3-Trichloropropane	U		0.000867	0.00293	1	03/28/2018 01:01	WG1089430
1,2,4-Trimethylbenzene	U		0.000247	0.00117	1	03/28/2018 01:01	WG1089430
1,2,3-Trimethylbenzene	U		0.000336	0.00117	1	03/28/2018 01:01	WG1089430
1,3,5-Trimethylbenzene	U		0.000311	0.00117	1	03/28/2018 01:01	WG1089430
Vinyl acetate	U	J4	0.00280	0.0117	1	03/28/2018 01:01	WG1089430
Vinyl chloride	0.0350		0.000341	0.00117	1	03/28/2018 01:01	WG1089430
Xylenes, Total	U		0.000817	0.00351	1	03/28/2018 01:01	WG1089430
(S) Toluene-d8	*110*			*80.0-120*		*03/28/2018 12:32*	WG1089430
(S) Toluene-d8	*102*			*80.0-120*		*03/28/2018 01:01*	WG1089430
(S) Toluene-d8	*111*			*80.0-120*		*03/28/2018 10:48*	WG1089430
(S) Dibromofluoromethane	*114*			*74.0-131*		*03/28/2018 01:01*	WG1089430
(S) Dibromofluoromethane	*102*			*74.0-131*		*03/28/2018 12:32*	WG1089430
(S) Dibromofluoromethane	*102*			*74.0-131*		*03/28/2018 10:48*	WG1089430
(S) 4-Bromofluorobenzene	*102*			*64.0-132*		*03/28/2018 10:48*	WG1089430
(S) 4-Bromofluorobenzene	*101*			*64.0-132*		*03/28/2018 12:32*	WG1089430
(S) 4-Bromofluorobenzene	*108*			*64.0-132*		*03/28/2018 01:01*	WG1089430

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	89.1		1	03/27/2018 09:07	WG1089692

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.0137	J	0.0112	0.0561	1	03/28/2018 01:22	WG1089430
Acrylonitrile	U		0.00201	0.0112	1	03/28/2018 01:22	WG1089430
Benzene	U		0.000303	0.00112	1	03/28/2018 01:22	WG1089430
Bromobenzene	U		0.000319	0.00112	1	03/28/2018 01:22	WG1089430
Bromodichloromethane	U		0.000285	0.00112	1	03/28/2018 01:22	WG1089430
Bromochloromethane	U		0.000438	0.00561	1	03/28/2018 01:22	WG1089430
Bromoform	U		0.000476	0.00112	1	03/28/2018 01:22	WG1089430
Bromomethane	U		0.00150	0.00561	1	03/28/2018 01:22	WG1089430
n-Butylbenzene	U		0.000290	0.00112	1	03/28/2018 01:22	WG1089430
sec-Butylbenzene	U		0.000226	0.00112	1	03/28/2018 01:22	WG1089430
tert-Butylbenzene	U		0.000231	0.00112	1	03/28/2018 01:22	WG1089430
Carbon disulfide	0.00319		0.000248	0.00112	1	03/28/2018 01:22	WG1089430
Carbon tetrachloride	U		0.000368	0.00112	1	03/28/2018 01:22	WG1089430
Chlorobenzene	U		0.000238	0.00112	1	03/28/2018 01:22	WG1089430
Chlorodibromomethane	U		0.000419	0.00112	1	03/28/2018 01:22	WG1089430
Chloroethane	U		0.00106	0.00561	1	03/28/2018 01:22	WG1089430
Chloroform	U		0.000257	0.00561	1	03/28/2018 01:22	WG1089430
Chloromethane	U		0.000421	0.00281	1	03/28/2018 01:22	WG1089430
2-Chlorotoluene	U		0.000338	0.00112	1	03/28/2018 01:22	WG1089430
4-Chlorotoluene	U		0.000269	0.00112	1	03/28/2018 01:22	WG1089430
1,2-Dibromo-3-Chloropropane	U	J0	0.00118	0.00561	1	03/28/2018 01:22	WG1089430
1,2-Dibromoethane	U		0.000385	0.00112	1	03/28/2018 01:22	WG1089430
Dibromomethane	U		0.000429	0.00112	1	03/28/2018 01:22	WG1089430
1,2-Dichlorobenzene	U		0.000342	0.00112	1	03/28/2018 01:22	WG1089430
1,3-Dichlorobenzene	U		0.000268	0.00112	1	03/28/2018 01:22	WG1089430
1,4-Dichlorobenzene	U		0.000254	0.00112	1	03/28/2018 01:22	WG1089430
Dichlorodifluoromethane	U		0.000800	0.00561	1	03/28/2018 01:22	WG1089430
1,1-Dichloroethane	U		0.000223	0.00112	1	03/28/2018 01:22	WG1089430
1,2-Dichloroethane	U		0.000298	0.00112	1	03/28/2018 01:22	WG1089430
1,1-Dichloroethene	0.00766		0.000340	0.00112	1	03/28/2018 01:22	WG1089430
cis-1,2-Dichloroethene	3.68		0.0132	0.0561	50	03/28/2018 11:08	WG1089430
trans-1,2-Dichloroethene	0.0182		0.000296	0.00112	1	03/28/2018 01:22	WG1089430
1,2-Dichloropropane	U		0.000402	0.00112	1	03/28/2018 01:22	WG1089430
1,1-Dichloropropene	U		0.000356	0.00112	1	03/28/2018 01:22	WG1089430
1,3-Dichloropropane	U		0.000232	0.00112	1	03/28/2018 01:22	WG1089430
cis-1,3-Dichloropropene	U		0.000294	0.00112	1	03/28/2018 01:22	WG1089430
trans-1,3-Dichloropropene	U		0.000300	0.00112	1	03/28/2018 01:22	WG1089430
trans-1,4-Dichloro-2-butene	U	J0	0.000873	0.00281	1	03/28/2018 01:22	WG1089430
2,2-Dichloropropane	U		0.000313	0.00112	1	03/28/2018 01:22	WG1089430
Di-isopropyl ether	U		0.000278	0.00112	1	03/28/2018 01:22	WG1089430
Ethylbenzene	U		0.000333	0.00112	1	03/28/2018 01:22	WG1089430
Hexachloro-1,3-butadiene	U		0.000384	0.00112	1	03/28/2018 01:22	WG1089430
2-Hexanone	U	J0	0.00154	0.0112	1	03/28/2018 01:22	WG1089430
n-Hexane	U		0.000326	0.0112	1	03/28/2018 01:22	WG1089430
Iodomethane	U		0.00284	0.0112	1	03/28/2018 01:22	WG1089430
Isopropylbenzene	U		0.000273	0.00112	1	03/28/2018 01:22	WG1089430
p-Isopropyltoluene	U		0.000229	0.00112	1	03/28/2018 01:22	WG1089430
2-Butanone (MEK)	U		0.00525	0.0112	1	03/28/2018 01:22	WG1089430
Methylene Chloride	U		0.00112	0.00561	1	03/28/2018 01:22	WG1089430
4-Methyl-2-pentanone (MIBK)	U		0.00211	0.0112	1	03/28/2018 01:22	WG1089430

Volatile Organic Compounds (GC/MS) by Method 8260C

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg		date / time	
Methyl tert-butyl ether	U		0.000238	0.00112	1	03/28/2018 01:22	WG1089430
Naphthalene	U		0.00112	0.00561	1	03/28/2018 01:22	WG1089430
n-Propylbenzene	U		0.000231	0.00112	1	03/28/2018 01:22	WG1089430
Styrene	U		0.000263	0.00112	1	03/28/2018 01:22	WG1089430
1,1,1,2-Tetrachloroethane	U		0.000296	0.00112	1	03/28/2018 01:22	WG1089430
1,1,2,2-Tetrachloroethane	U		0.000410	0.00112	1	03/28/2018 01:22	WG1089430
1,1,2-Trichlorotrifluoroethane	U		0.000410	0.00112	1	03/28/2018 01:22	WG1089430
Tetrachloroethene	20.3		0.155	0.561	500	03/28/2018 12:52	WG1089430
Toluene	U		0.000487	0.00561	1	03/28/2018 01:22	WG1089430
1,2,3-Trichlorobenzene	U		0.000344	0.00112	1	03/28/2018 01:22	WG1089430
1,2,4-Trichlorobenzene	U		0.000436	0.00112	1	03/28/2018 01:22	WG1089430
1,1,1-Trichloroethane	U		0.000321	0.00112	1	03/28/2018 01:22	WG1089430
1,1,2-Trichloroethane	U		0.000311	0.00112	1	03/28/2018 01:22	WG1089430
Trichloroethene	4.58		0.0157	0.0561	50	03/28/2018 11:08	WG1089430
Trichlorofluoromethane	U	J0 J4	0.000429	0.00561	1	03/28/2018 01:22	WG1089430
1,2,3-Trichloropropane	U		0.000832	0.00281	1	03/28/2018 01:22	WG1089430
1,2,4-Trimethylbenzene	U		0.000237	0.00112	1	03/28/2018 01:22	WG1089430
1,2,3-Trimethylbenzene	U		0.000322	0.00112	1	03/28/2018 01:22	WG1089430
1,3,5-Trimethylbenzene	U		0.000299	0.00112	1	03/28/2018 01:22	WG1089430
Vinyl acetate	U	J4	0.00268	0.0112	1	03/28/2018 01:22	WG1089430
Vinyl chloride	0.280		0.0164	0.0561	50	03/28/2018 11:08	WG1089430
Xylenes, Total	U		0.000784	0.00337	1	03/28/2018 01:22	WG1089430
(S) Toluene-d8	*106*			*80.0-120*		*03/28/2018 12:52*	WG1089430
(S) Toluene-d8	*106*			*80.0-120*		*03/28/2018 11:08*	WG1089430
(S) Toluene-d8	*98.7*			*80.0-120*		*03/28/2018 01:22*	WG1089430
(S) Dibromofluoromethane	*105*			*74.0-131*		*03/28/2018 12:52*	WG1089430
(S) Dibromofluoromethane	*115*			*74.0-131*		*03/28/2018 01:22*	WG1089430
(S) Dibromofluoromethane	*101*			*74.0-131*		*03/28/2018 11:08*	WG1089430
(S) 4-Bromofluorobenzene	*102*			*64.0-132*		*03/28/2018 12:52*	WG1089430
(S) 4-Bromofluorobenzene	*112*			*64.0-132*		*03/28/2018 01:22*	WG1089430
(S) 4-Bromofluorobenzene	*104*			*64.0-132*		*03/28/2018 11:08*	WG1089430

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	9.49	J J0	1.05	25.0	1	03/22/2018 15:05	WG1088093
Acrylonitrile	U		0.873	5.00	1	03/22/2018 15:05	WG1088093
Benzene	U		0.0896	0.500	1	03/22/2018 15:05	WG1088093
Bromobenzene	U		0.133	0.500	1	03/22/2018 15:05	WG1088093
Bromodichloromethane	U		0.0800	0.500	1	03/22/2018 15:05	WG1088093
Bromochloromethane	U		0.145	0.500	1	03/22/2018 15:05	WG1088093
Bromoform	U		0.186	0.500	1	03/22/2018 15:05	WG1088093
Bromomethane	U		0.157	2.50	1	03/22/2018 15:05	WG1088093
n-Butylbenzene	U		0.143	0.500	1	03/22/2018 15:05	WG1088093
sec-Butylbenzene	U		0.134	0.500	1	03/22/2018 15:05	WG1088093
tert-Butylbenzene	U		0.183	0.500	1	03/22/2018 15:05	WG1088093
Carbon disulfide	U		0.101	0.500	1	03/22/2018 15:05	WG1088093
Carbon tetrachloride	U		0.159	0.500	1	03/22/2018 15:05	WG1088093
Chlorobenzene	U		0.140	0.500	1	03/22/2018 15:05	WG1088093
Chlorodibromomethane	U		0.128	0.500	1	03/22/2018 15:05	WG1088093
Chloroethane	U		0.141	2.50	1	03/22/2018 15:05	WG1088093
Chloroform	U		0.0860	0.500	1	03/22/2018 15:05	WG1088093
Chloromethane	U		0.153	1.25	1	03/22/2018 15:05	WG1088093
2-Chlorotoluene	U		0.111	0.500	1	03/22/2018 15:05	WG1088093
4-Chlorotoluene	U		0.0972	0.500	1	03/22/2018 15:05	WG1088093
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	03/22/2018 15:05	WG1088093
1,2-Dibromoethane	U		0.193	0.500	1	03/22/2018 15:05	WG1088093
Dibromomethane	U		0.117	0.500	1	03/22/2018 15:05	WG1088093
1,2-Dichlorobenzene	U		0.101	0.500	1	03/22/2018 15:05	WG1088093
1,3-Dichlorobenzene	U		0.130	0.500	1	03/22/2018 15:05	WG1088093
1,4-Dichlorobenzene	U		0.121	0.500	1	03/22/2018 15:05	WG1088093
Dichlorodifluoromethane	U		0.127	2.50	1	03/22/2018 15:05	WG1088093
1,1-Dichloroethane	U		0.114	0.500	1	03/22/2018 15:05	WG1088093
1,2-Dichloroethane	U		0.108	0.500	1	03/22/2018 15:05	WG1088093
1,1-Dichloroethene	U		0.188	0.500	1	03/22/2018 15:05	WG1088093
cis-1,2-Dichloroethene	0.209	J	0.0933	0.500	1	03/22/2018 15:05	WG1088093
trans-1,2-Dichloroethene	U		0.152	0.500	1	03/22/2018 15:05	WG1088093
1,2-Dichloropropane	U		0.190	0.500	1	03/22/2018 15:05	WG1088093
1,1-Dichloropropene	U		0.128	0.500	1	03/22/2018 15:05	WG1088093
1,3-Dichloropropane	U		0.147	1.00	1	03/22/2018 15:05	WG1088093
cis-1,3-Dichloropropene	U		0.0976	0.500	1	03/22/2018 15:05	WG1088093
trans-1,3-Dichloropropene	U		0.222	0.500	1	03/22/2018 15:05	WG1088093
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	03/22/2018 15:05	WG1088093
2,2-Dichloropropane	U		0.0929	0.500	1	03/22/2018 15:05	WG1088093
Di-isopropyl ether	U		0.0924	0.500	1	03/22/2018 15:05	WG1088093
Ethylbenzene	U		0.158	0.500	1	03/22/2018 15:05	WG1088093
Hexachloro-1,3-butadiene	U		0.157	1.00	1	03/22/2018 15:05	WG1088093
2-Hexanone	U		0.757	5.00	1	03/22/2018 15:05	WG1088093
n-Hexane	U		0.305	5.00	1	03/22/2018 15:05	WG1088093
Iodomethane	U		0.377	10.0	1	03/22/2018 15:05	WG1088093
Isopropylbenzene	U		0.126	0.500	1	03/22/2018 15:05	WG1088093
p-Isopropyltoluene	U		0.138	0.500	1	03/22/2018 15:05	WG1088093
2-Butanone (MEK)	U		1.28	5.00	1	03/22/2018 15:05	WG1088093
Methylene Chloride	U		1.07	2.50	1	03/22/2018 15:05	WG1088093
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	03/22/2018 15:05	WG1088093
Methyl tert-butyl ether	U		0.102	0.500	1	03/22/2018 15:05	WG1088093
Naphthalene	U		0.174	2.50	1	03/22/2018 15:05	WG1088093
n-Propylbenzene	U		0.162	0.500	1	03/22/2018 15:05	WG1088093
Styrene	U		0.117	0.500	1	03/22/2018 15:05	WG1088093
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	03/22/2018 15:05	WG1088093
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	03/22/2018 15:05	WG1088093

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	03/22/2018 15:05	WG1088093
Tetrachloroethene	U		0.199	0.500	1	03/22/2018 15:05	WG1088093
Toluene	0.466	J	0.412	0.500	1	03/22/2018 15:05	WG1088093
1,2,3-Trichlorobenzene	U		0.164	0.500	1	03/22/2018 15:05	WG1088093
1,2,4-Trichlorobenzene	U		0.355	0.500	1	03/22/2018 15:05	WG1088093
1,1,1-Trichloroethane	U		0.0940	0.500	1	03/22/2018 15:05	WG1088093
1,1,2-Trichloroethane	U		0.186	0.500	1	03/22/2018 15:05	WG1088093
Trichloroethene	U		0.153	0.500	1	03/22/2018 15:05	WG1088093
Trichlorofluoromethane	U		0.130	2.50	1	03/22/2018 15:05	WG1088093
1,2,3-Trichloropropane	U		0.247	2.50	1	03/22/2018 15:05	WG1088093
1,2,4-Trimethylbenzene	U		0.123	0.500	1	03/22/2018 15:05	WG1088093
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	03/22/2018 15:05	WG1088093
1,3,5-Trimethylbenzene	U		0.124	0.500	1	03/22/2018 15:05	WG1088093
Vinyl acetate	U		0.645	5.00	1	03/22/2018 15:05	WG1088093
Vinyl chloride	U		0.118	0.500	1	03/22/2018 15:05	WG1088093
Xylenes, Total	U		0.316	1.50	1	03/22/2018 15:05	WG1088093
(S) Toluene-d8	*103*			*80.0-120*		*03/22/2018 15:05*	WG1088093
(S) Dibromofluoromethane	*102*			*76.0-123*		*03/22/2018 15:05*	WG1088093
(S) 4-Bromofluorobenzene	*102*			*80.0-120*		*03/22/2018 15:05*	WG1088093

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	89.0		1	03/27/2018 09:07	WG1089692

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U	J0	0.0112	0.0562	1	03/28/2018 13:43	WG1090297
Acrylonitrile	U		0.00201	0.0112	1	03/28/2018 13:43	WG1090297
Benzene	U		0.000303	0.00112	1	03/28/2018 13:43	WG1090297
Bromobenzene	U		0.000319	0.00112	1	03/28/2018 13:43	WG1090297
Bromodichloromethane	U		0.000285	0.00112	1	03/28/2018 13:43	WG1090297
Bromochloromethane	U		0.000438	0.00562	1	03/28/2018 13:43	WG1090297
Bromoform	U	J0	0.000476	0.00112	1	03/28/2018 13:43	WG1090297
Bromomethane	U		0.00151	0.00562	1	03/28/2018 13:43	WG1090297
n-Butylbenzene	U		0.000290	0.00112	1	03/28/2018 13:43	WG1090297
sec-Butylbenzene	U		0.000226	0.00112	1	03/28/2018 13:43	WG1090297
tert-Butylbenzene	U		0.000232	0.00112	1	03/28/2018 13:43	WG1090297
Carbon disulfide	0.000321	B J J0	0.000248	0.00112	1	03/28/2018 13:43	WG1090297
Carbon tetrachloride	U		0.000369	0.00112	1	03/28/2018 13:43	WG1090297
Chlorobenzene	U		0.000238	0.00112	1	03/28/2018 13:43	WG1090297
Chlorodibromomethane	U		0.000419	0.00112	1	03/28/2018 13:43	WG1090297
Chloroethane	U		0.00106	0.00562	1	03/28/2018 13:43	WG1090297
Chloroform	U		0.000257	0.00562	1	03/28/2018 13:43	WG1090297
Chloromethane	U	J0	0.000421	0.00281	1	03/28/2018 13:43	WG1090297
2-Chlorotoluene	U		0.000338	0.00112	1	03/28/2018 13:43	WG1090297
4-Chlorotoluene	U		0.000270	0.00112	1	03/28/2018 13:43	WG1090297
1,2-Dibromo-3-Chloropropane	U		0.00118	0.00562	1	03/28/2018 13:43	WG1090297
1,2-Dibromoethane	U		0.000385	0.00112	1	03/28/2018 13:43	WG1090297
Dibromomethane	U		0.000429	0.00112	1	03/28/2018 13:43	WG1090297
1,2-Dichlorobenzene	U		0.000343	0.00112	1	03/28/2018 13:43	WG1090297
1,3-Dichlorobenzene	U		0.000269	0.00112	1	03/28/2018 13:43	WG1090297
1,4-Dichlorobenzene	U		0.000254	0.00112	1	03/28/2018 13:43	WG1090297
Dichlorodifluoromethane	U	J0	0.000801	0.00562	1	03/28/2018 13:43	WG1090297
1,1-Dichloroethane	U		0.000224	0.00112	1	03/28/2018 13:43	WG1090297
1,2-Dichloroethane	U		0.000298	0.00112	1	03/28/2018 13:43	WG1090297
1,1-Dichloroethene	0.000605	J	0.000341	0.00112	1	03/28/2018 13:43	WG1090297
cis-1,2-Dichloroethene	0.107		0.000264	0.00112	1	03/28/2018 13:43	WG1090297
trans-1,2-Dichloroethene	0.000461	J	0.000297	0.00112	1	03/28/2018 13:43	WG1090297
1,2-Dichloropropane	U		0.000402	0.00112	1	03/28/2018 13:43	WG1090297
1,1-Dichloropropene	U		0.000356	0.00112	1	03/28/2018 13:43	WG1090297
1,3-Dichloropropane	U		0.000233	0.00112	1	03/28/2018 13:43	WG1090297
cis-1,3-Dichloropropene	U		0.000294	0.00112	1	03/28/2018 13:43	WG1090297
trans-1,3-Dichloropropene	U		0.000300	0.00112	1	03/28/2018 13:43	WG1090297
trans-1,4-Dichloro-2-butene	U	J0	0.000874	0.00281	1	03/28/2018 13:43	WG1090297
2,2-Dichloropropane	U		0.000314	0.00112	1	03/28/2018 13:43	WG1090297
Di-isopropyl ether	U		0.000279	0.00112	1	03/28/2018 13:43	WG1090297
Ethylbenzene	U		0.000334	0.00112	1	03/28/2018 13:43	WG1090297
Hexachloro-1,3-butadiene	U		0.000384	0.00112	1	03/28/2018 13:43	WG1090297
2-Hexanone	U		0.00154	0.0112	1	03/28/2018 13:43	WG1090297
n-Hexane	0.000939	J J0	0.000326	0.0112	1	03/28/2018 13:43	WG1090297
Iodomethane	U		0.00284	0.0112	1	03/28/2018 13:43	WG1090297
Isopropylbenzene	U		0.000273	0.00112	1	03/28/2018 13:43	WG1090297
p-Isopropyltoluene	U		0.000229	0.00112	1	03/28/2018 13:43	WG1090297
2-Butanone (MEK)	U	J0	0.00526	0.0112	1	03/28/2018 13:43	WG1090297
Methylene Chloride	U		0.00112	0.00562	1	03/28/2018 13:43	WG1090297
4-Methyl-2-pentanone (MIBK)	U		0.00211	0.0112	1	03/28/2018 13:43	WG1090297

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000238	0.00112	1	03/28/2018 13:43	WG1090297
Naphthalene	U		0.00112	0.00562	1	03/28/2018 13:43	WG1090297
n-Propylbenzene	U		0.000232	0.00112	1	03/28/2018 13:43	WG1090297
Styrene	U		0.000263	0.00112	1	03/28/2018 13:43	WG1090297
1,1,1,2-Tetrachloroethane	U		0.000297	0.00112	1	03/28/2018 13:43	WG1090297
1,1,2,2-Tetrachloroethane	U		0.000410	0.00112	1	03/28/2018 13:43	WG1090297
1,1,2-Trichlorotrifluoroethane	U		0.000410	0.00112	1	03/28/2018 13:43	WG1090297
Tetrachloroethene	2.56		0.0155	0.0562	50	03/28/2018 17:06	WG1090297
Toluene	U		0.000488	0.00562	1	03/28/2018 13:43	WG1090297
1,2,3-Trichlorobenzene	U		0.000344	0.00112	1	03/28/2018 13:43	WG1090297
1,2,4-Trichlorobenzene	U		0.000436	0.00112	1	03/28/2018 13:43	WG1090297
1,1,1-Trichloroethane	U		0.000321	0.00112	1	03/28/2018 13:43	WG1090297
1,1,2-Trichloroethane	U		0.000311	0.00112	1	03/28/2018 13:43	WG1090297
Trichloroethene	0.0560		0.000314	0.00112	1	03/28/2018 13:43	WG1090297
Trichlorofluoromethane	U		0.000429	0.00562	1	03/28/2018 13:43	WG1090297
1,2,3-Trichloropropane	U		0.000833	0.00281	1	03/28/2018 13:43	WG1090297
1,2,4-Trimethylbenzene	U		0.000237	0.00112	1	03/28/2018 13:43	WG1090297
1,2,3-Trimethylbenzene	U		0.000323	0.00112	1	03/28/2018 13:43	WG1090297
1,3,5-Trimethylbenzene	U		0.000299	0.00112	1	03/28/2018 13:43	WG1090297
Vinyl acetate	U		0.00269	0.0112	1	03/28/2018 13:43	WG1090297
Vinyl chloride	0.0153		0.000327	0.00112	1	03/28/2018 13:43	WG1090297
Xylenes, Total	U		0.000784	0.00337	1	03/28/2018 13:43	WG1090297
(S) Toluene-d8	*113*			*80.0-120*		*03/28/2018 17:06*	WG1090297
(S) Toluene-d8	*106*			*80.0-120*		*03/28/2018 13:43*	WG1090297
(S) Dibromofluoromethane	*102*			*74.0-131*		*03/28/2018 17:06*	WG1090297
(S) Dibromofluoromethane	*100*			*74.0-131*		*03/28/2018 13:43*	WG1090297
(S) 4-Bromofluorobenzene	*88.3*			*64.0-132*		*03/28/2018 17:06*	WG1090297
(S) 4-Bromofluorobenzene	*92.0*			*64.0-132*		*03/28/2018 13:43*	WG1090297

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	89.6		1	03/27/2018 09:07	WG1089692

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U	J0	0.0112	0.0558	1	03/28/2018 14:03	WG1090297
Acrylonitrile	U		0.00200	0.0112	1	03/28/2018 14:03	WG1090297
Benzene	U		0.000301	0.00112	1	03/28/2018 14:03	WG1090297
Bromobenzene	U		0.000317	0.00112	1	03/28/2018 14:03	WG1090297
Bromodichloromethane	U		0.000283	0.00112	1	03/28/2018 14:03	WG1090297
Bromochloromethane	U		0.000435	0.00558	1	03/28/2018 14:03	WG1090297
Bromoform	U	J0	0.000473	0.00112	1	03/28/2018 14:03	WG1090297
Bromomethane	U		0.00149	0.00558	1	03/28/2018 14:03	WG1090297
n-Butylbenzene	U		0.000288	0.00112	1	03/28/2018 14:03	WG1090297
sec-Butylbenzene	U		0.000224	0.00112	1	03/28/2018 14:03	WG1090297
tert-Butylbenzene	U		0.000230	0.00112	1	03/28/2018 14:03	WG1090297
Carbon disulfide	0.000576	B J J0	0.000247	0.00112	1	03/28/2018 14:03	WG1090297
Carbon tetrachloride	U		0.000366	0.00112	1	03/28/2018 14:03	WG1090297
Chlorobenzene	U		0.000236	0.00112	1	03/28/2018 14:03	WG1090297
Chlorodibromomethane	U		0.000416	0.00112	1	03/28/2018 14:03	WG1090297
Chloroethane	U		0.00106	0.00558	1	03/28/2018 14:03	WG1090297
Chloroform	U		0.000255	0.00558	1	03/28/2018 14:03	WG1090297
Chloromethane	0.00114	J J0	0.000418	0.00279	1	03/28/2018 14:03	WG1090297
2-Chlorotoluene	U		0.000336	0.00112	1	03/28/2018 14:03	WG1090297
4-Chlorotoluene	U		0.000268	0.00112	1	03/28/2018 14:03	WG1090297
1,2-Dibromo-3-Chloropropane	U		0.00117	0.00558	1	03/28/2018 14:03	WG1090297
1,2-Dibromoethane	U		0.000383	0.00112	1	03/28/2018 14:03	WG1090297
Dibromomethane	U		0.000426	0.00112	1	03/28/2018 14:03	WG1090297
1,2-Dichlorobenzene	U		0.000340	0.00112	1	03/28/2018 14:03	WG1090297
1,3-Dichlorobenzene	U		0.000267	0.00112	1	03/28/2018 14:03	WG1090297
1,4-Dichlorobenzene	U		0.000252	0.00112	1	03/28/2018 14:03	WG1090297
Dichlorodifluoromethane	U	J0	0.000795	0.00558	1	03/28/2018 14:03	WG1090297
1,1-Dichloroethane	U		0.000222	0.00112	1	03/28/2018 14:03	WG1090297
1,2-Dichloroethane	U		0.000296	0.00112	1	03/28/2018 14:03	WG1090297
1,1-Dichloroethene	U		0.000338	0.00112	1	03/28/2018 14:03	WG1090297
cis-1,2-Dichloroethene	0.00401		0.000262	0.00112	1	03/28/2018 14:03	WG1090297
trans-1,2-Dichloroethene	U		0.000294	0.00112	1	03/28/2018 14:03	WG1090297
1,2-Dichloropropane	U		0.000399	0.00112	1	03/28/2018 14:03	WG1090297
1,1-Dichloropropene	U		0.000354	0.00112	1	03/28/2018 14:03	WG1090297
1,3-Dichloropropane	U		0.000231	0.00112	1	03/28/2018 14:03	WG1090297
cis-1,3-Dichloropropene	U		0.000292	0.00112	1	03/28/2018 14:03	WG1090297
trans-1,3-Dichloropropene	U		0.000298	0.00112	1	03/28/2018 14:03	WG1090297
trans-1,4-Dichloro-2-butene	U	J0	0.000868	0.00279	1	03/28/2018 14:03	WG1090297
2,2-Dichloropropane	U		0.000311	0.00112	1	03/28/2018 14:03	WG1090297
Di-isopropyl ether	U	J0	0.000277	0.00112	1	03/28/2018 14:03	WG1090297
Ethylbenzene	U		0.000331	0.00112	1	03/28/2018 14:03	WG1090297
Hexachloro-1,3-butadiene	U		0.000381	0.00112	1	03/28/2018 14:03	WG1090297
2-Hexanone	U		0.00153	0.0112	1	03/28/2018 14:03	WG1090297
n-Hexane	U	J0	0.000323	0.0112	1	03/28/2018 14:03	WG1090297
Iodomethane	U		0.00282	0.0112	1	03/28/2018 14:03	WG1090297
Isopropylbenzene	U		0.000271	0.00112	1	03/28/2018 14:03	WG1090297
p-Isopropyltoluene	U		0.000228	0.00112	1	03/28/2018 14:03	WG1090297
2-Butanone (MEK)	U	J0	0.00522	0.0112	1	03/28/2018 14:03	WG1090297
Methylene Chloride	U		0.00112	0.00558	1	03/28/2018 14:03	WG1090297
4-Methyl-2-pentanone (MIBK)	U		0.00210	0.0112	1	03/28/2018 14:03	WG1090297

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000236	0.00112	1	03/28/2018 14:03	WG1090297
Naphthalene	U		0.00112	0.00558	1	03/28/2018 14:03	WG1090297
n-Propylbenzene	U		0.000230	0.00112	1	03/28/2018 14:03	WG1090297
Styrene	U		0.000261	0.00112	1	03/28/2018 14:03	WG1090297
1,1,1,2-Tetrachloroethane	U		0.000294	0.00112	1	03/28/2018 14:03	WG1090297
1,1,2,2-Tetrachloroethane	U		0.000407	0.00112	1	03/28/2018 14:03	WG1090297
1,1,2-Trichlorotrifluoroethane	U		0.000407	0.00112	1	03/28/2018 14:03	WG1090297
Tetrachloroethene	0.0249		0.000308	0.00112	1	03/28/2018 14:03	WG1090297
Toluene	U		0.000484	0.00558	1	03/28/2018 14:03	WG1090297
1,2,3-Trichlorobenzene	U		0.000341	0.00112	1	03/28/2018 14:03	WG1090297
1,2,4-Trichlorobenzene	U		0.000433	0.00112	1	03/28/2018 14:03	WG1090297
1,1,1-Trichloroethane	U		0.000319	0.00112	1	03/28/2018 14:03	WG1090297
1,1,2-Trichloroethane	U		0.000309	0.00112	1	03/28/2018 14:03	WG1090297
Trichloroethene	0.00131		0.000311	0.00112	1	03/28/2018 14:03	WG1090297
Trichlorofluoromethane	U		0.000426	0.00558	1	03/28/2018 14:03	WG1090297
1,2,3-Trichloropropane	U		0.000827	0.00279	1	03/28/2018 14:03	WG1090297
1,2,4-Trimethylbenzene	U		0.000235	0.00112	1	03/28/2018 14:03	WG1090297
1,2,3-Trimethylbenzene	U		0.000320	0.00112	1	03/28/2018 14:03	WG1090297
1,3,5-Trimethylbenzene	U		0.000297	0.00112	1	03/28/2018 14:03	WG1090297
Vinyl acetate	U		0.00267	0.0112	1	03/28/2018 14:03	WG1090297
Vinyl chloride	0.00106	J	0.000325	0.00112	1	03/28/2018 14:03	WG1090297
Xylenes, Total	U		0.000779	0.00335	1	03/28/2018 14:03	WG1090297
(S) Toluene-d8	*105*			*80.0-120*		*03/28/2018 14:03*	WG1090297
(S) Dibromofluoromethane	*102*			*74.0-131*		*03/28/2018 14:03*	WG1090297
(S) 4-Bromofluorobenzene	*90.9*			*64.0-132*		*03/28/2018 14:03*	WG1090297

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

IW-8B-45

Collected date/time: 03/20/18 08:30

SAMPLE RESULTS - 23

L979234

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	89.7		1	03/27/2018 09:07	WG1089692

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U	J0	0.0111	0.0557	1	03/28/2018 14:22	WG1090297
Acrylonitrile	U		0.00200	0.0111	1	03/28/2018 14:22	WG1090297
Benzene	U		0.000301	0.00111	1	03/28/2018 14:22	WG1090297
Bromobenzene	U		0.000317	0.00111	1	03/28/2018 14:22	WG1090297
Bromodichloromethane	U		0.000283	0.00111	1	03/28/2018 14:22	WG1090297
Bromochloromethane	U		0.000435	0.00557	1	03/28/2018 14:22	WG1090297
Bromoform	U	J0	0.000473	0.00111	1	03/28/2018 14:22	WG1090297
Bromomethane	U		0.00149	0.00557	1	03/28/2018 14:22	WG1090297
n-Butylbenzene	U		0.000288	0.00111	1	03/28/2018 14:22	WG1090297
sec-Butylbenzene	U		0.000224	0.00111	1	03/28/2018 14:22	WG1090297
tert-Butylbenzene	U		0.000230	0.00111	1	03/28/2018 14:22	WG1090297
Carbon disulfide	0.000507	B J J0	0.000246	0.00111	1	03/28/2018 14:22	WG1090297
Carbon tetrachloride	U		0.000366	0.00111	1	03/28/2018 14:22	WG1090297
Chlorobenzene	U		0.000236	0.00111	1	03/28/2018 14:22	WG1090297
Chlorodibromomethane	U		0.000416	0.00111	1	03/28/2018 14:22	WG1090297
Chloroethane	U		0.00105	0.00557	1	03/28/2018 14:22	WG1090297
Chloroform	U		0.000255	0.00557	1	03/28/2018 14:22	WG1090297
Chloromethane	0.00149	J J0	0.000418	0.00279	1	03/28/2018 14:22	WG1090297
2-Chlorotoluene	U		0.000335	0.00111	1	03/28/2018 14:22	WG1090297
4-Chlorotoluene	U		0.000267	0.00111	1	03/28/2018 14:22	WG1090297
1,2-Dibromo-3-Chloropropane	U		0.00117	0.00557	1	03/28/2018 14:22	WG1090297
1,2-Dibromoethane	U		0.000382	0.00111	1	03/28/2018 14:22	WG1090297
Dibromomethane	U		0.000426	0.00111	1	03/28/2018 14:22	WG1090297
1,2-Dichlorobenzene	U		0.000340	0.00111	1	03/28/2018 14:22	WG1090297
1,3-Dichlorobenzene	U		0.000266	0.00111	1	03/28/2018 14:22	WG1090297
1,4-Dichlorobenzene	U		0.000252	0.00111	1	03/28/2018 14:22	WG1090297
Dichlorodifluoromethane	U	J0	0.000795	0.00557	1	03/28/2018 14:22	WG1090297
1,1-Dichloroethane	U		0.000222	0.00111	1	03/28/2018 14:22	WG1090297
1,2-Dichloroethane	U		0.000295	0.00111	1	03/28/2018 14:22	WG1090297
1,1-Dichloroethene	U		0.000338	0.00111	1	03/28/2018 14:22	WG1090297
cis-1,2-Dichloroethene	0.00866		0.000262	0.00111	1	03/28/2018 14:22	WG1090297
trans-1,2-Dichloroethene	U		0.000294	0.00111	1	03/28/2018 14:22	WG1090297
1,2-Dichloropropane	U		0.000399	0.00111	1	03/28/2018 14:22	WG1090297
1,1-Dichloropropene	U		0.000353	0.00111	1	03/28/2018 14:22	WG1090297
1,3-Dichloropropane	U		0.000231	0.00111	1	03/28/2018 14:22	WG1090297
cis-1,3-Dichloropropene	U		0.000292	0.00111	1	03/28/2018 14:22	WG1090297
trans-1,3-Dichloropropene	U		0.000298	0.00111	1	03/28/2018 14:22	WG1090297
trans-1,4-Dichloro-2-butene	U	J0	0.000867	0.00279	1	03/28/2018 14:22	WG1090297
2,2-Dichloropropane	U		0.000311	0.00111	1	03/28/2018 14:22	WG1090297
Di-isopropyl ether	U		0.000276	0.00111	1	03/28/2018 14:22	WG1090297
Ethylbenzene	U		0.000331	0.00111	1	03/28/2018 14:22	WG1090297
Hexachloro-1,3-butadiene	U		0.000381	0.00111	1	03/28/2018 14:22	WG1090297
2-Hexanone	U		0.00153	0.0111	1	03/28/2018 14:22	WG1090297
n-Hexane	0.00357	J J0	0.000323	0.0111	1	03/28/2018 14:22	WG1090297
Iodomethane	U		0.00282	0.0111	1	03/28/2018 14:22	WG1090297
Isopropylbenzene	U		0.000271	0.00111	1	03/28/2018 14:22	WG1090297
p-Isopropyltoluene	U		0.000227	0.00111	1	03/28/2018 14:22	WG1090297
2-Butanone (MEK)	U	J0	0.00522	0.0111	1	03/28/2018 14:22	WG1090297
Methylene Chloride	U		0.00111	0.00557	1	03/28/2018 14:22	WG1090297
4-Methyl-2-pentanone (MIBK)	U		0.00210	0.0111	1	03/28/2018 14:22	WG1090297

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000236	0.00111	1	03/28/2018 14:22	WG1090297
Naphthalene	U		0.00111	0.00557	1	03/28/2018 14:22	WG1090297
n-Propylbenzene	U		0.000230	0.00111	1	03/28/2018 14:22	WG1090297
Styrene	U		0.000261	0.00111	1	03/28/2018 14:22	WG1090297
1,1,1,2-Tetrachloroethane	U		0.000294	0.00111	1	03/28/2018 14:22	WG1090297
1,1,2,2-Tetrachloroethane	U		0.000407	0.00111	1	03/28/2018 14:22	WG1090297
1,1,2-Trichlorotrifluoroethane	U		0.000407	0.00111	1	03/28/2018 14:22	WG1090297
Tetrachloroethene	0.0424		0.000308	0.00111	1	03/28/2018 14:22	WG1090297
Toluene	U		0.000484	0.00557	1	03/28/2018 14:22	WG1090297
1,2,3-Trichlorobenzene	U		0.000341	0.00111	1	03/28/2018 14:22	WG1090297
1,2,4-Trichlorobenzene	U		0.000432	0.00111	1	03/28/2018 14:22	WG1090297
1,1,1-Trichloroethane	U		0.000319	0.00111	1	03/28/2018 14:22	WG1090297
1,1,2-Trichloroethane	U		0.000309	0.00111	1	03/28/2018 14:22	WG1090297
Trichloroethene	0.00265		0.000311	0.00111	1	03/28/2018 14:22	WG1090297
Trichlorofluoromethane	U		0.000426	0.00557	1	03/28/2018 14:22	WG1090297
1,2,3-Trichloropropane	U		0.000826	0.00279	1	03/28/2018 14:22	WG1090297
1,2,4-Trimethylbenzene	U		0.000235	0.00111	1	03/28/2018 14:22	WG1090297
1,2,3-Trimethylbenzene	U		0.000320	0.00111	1	03/28/2018 14:22	WG1090297
1,3,5-Trimethylbenzene	U		0.000296	0.00111	1	03/28/2018 14:22	WG1090297
Vinyl acetate	U		0.00266	0.0111	1	03/28/2018 14:22	WG1090297
Vinyl chloride	0.00141		0.000324	0.00111	1	03/28/2018 14:22	WG1090297
Xylenes, Total	U		0.000778	0.00334	1	03/28/2018 14:22	WG1090297
(S) Toluene-d8	*102*			*80.0-120*		*03/28/2018 14:22*	WG1090297
(S) Dibromofluoromethane	*102*			*74.0-131*		*03/28/2018 14:22*	WG1090297
(S) 4-Bromofluorobenzene	*93.4*			*64.0-132*		*03/28/2018 14:22*	WG1090297

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	87.4		1	03/27/2018 09:07	WG1089692

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U	J0	0.0114	0.0572	1	03/28/2018 14:42	WG1090297
Acrylonitrile	U		0.00205	0.0114	1	03/28/2018 14:42	WG1090297
Benzene	U		0.000309	0.00114	1	03/28/2018 14:42	WG1090297
Bromobenzene	U		0.000325	0.00114	1	03/28/2018 14:42	WG1090297
Bromodichloromethane	U		0.000291	0.00114	1	03/28/2018 14:42	WG1090297
Bromochloromethane	U		0.000446	0.00572	1	03/28/2018 14:42	WG1090297
Bromoform	U	J0	0.000485	0.00114	1	03/28/2018 14:42	WG1090297
Bromomethane	U		0.00153	0.00572	1	03/28/2018 14:42	WG1090297
n-Butylbenzene	U		0.000295	0.00114	1	03/28/2018 14:42	WG1090297
sec-Butylbenzene	U		0.000230	0.00114	1	03/28/2018 14:42	WG1090297
tert-Butylbenzene	U		0.000236	0.00114	1	03/28/2018 14:42	WG1090297
Carbon disulfide	0.000626	B J J0	0.000253	0.00114	1	03/28/2018 14:42	WG1090297
Carbon tetrachloride	U		0.000375	0.00114	1	03/28/2018 14:42	WG1090297
Chlorobenzene	U		0.000242	0.00114	1	03/28/2018 14:42	WG1090297
Chlorodibromomethane	U		0.000427	0.00114	1	03/28/2018 14:42	WG1090297
Chloroethane	U		0.00108	0.00572	1	03/28/2018 14:42	WG1090297
Chloroform	U		0.000262	0.00572	1	03/28/2018 14:42	WG1090297
Chloromethane	U	J0	0.000429	0.00286	1	03/28/2018 14:42	WG1090297
2-Chlorotoluene	U		0.000344	0.00114	1	03/28/2018 14:42	WG1090297
4-Chlorotoluene	U		0.000275	0.00114	1	03/28/2018 14:42	WG1090297
1,2-Dibromo-3-Chloropropane	U		0.00120	0.00572	1	03/28/2018 14:42	WG1090297
1,2-Dibromoethane	U		0.000392	0.00114	1	03/28/2018 14:42	WG1090297
Dibromomethane	U		0.000437	0.00114	1	03/28/2018 14:42	WG1090297
1,2-Dichlorobenzene	U		0.000349	0.00114	1	03/28/2018 14:42	WG1090297
1,3-Dichlorobenzene	U		0.000273	0.00114	1	03/28/2018 14:42	WG1090297
1,4-Dichlorobenzene	U		0.000259	0.00114	1	03/28/2018 14:42	WG1090297
Dichlorodifluoromethane	U	J0	0.000816	0.00572	1	03/28/2018 14:42	WG1090297
1,1-Dichloroethane	U		0.000228	0.00114	1	03/28/2018 14:42	WG1090297
1,2-Dichloroethane	U		0.000303	0.00114	1	03/28/2018 14:42	WG1090297
1,1-Dichloroethene	U		0.000347	0.00114	1	03/28/2018 14:42	WG1090297
cis-1,2-Dichloroethene	0.00364		0.000269	0.00114	1	03/28/2018 14:42	WG1090297
trans-1,2-Dichloroethene	U		0.000302	0.00114	1	03/28/2018 14:42	WG1090297
1,2-Dichloropropane	U		0.000409	0.00114	1	03/28/2018 14:42	WG1090297
1,1-Dichloropropene	U		0.000363	0.00114	1	03/28/2018 14:42	WG1090297
1,3-Dichloropropane	U		0.000237	0.00114	1	03/28/2018 14:42	WG1090297
cis-1,3-Dichloropropene	U		0.000300	0.00114	1	03/28/2018 14:42	WG1090297
trans-1,3-Dichloropropene	U		0.000305	0.00114	1	03/28/2018 14:42	WG1090297
trans-1,4-Dichloro-2-butene	U	J0	0.000890	0.00286	1	03/28/2018 14:42	WG1090297
2,2-Dichloropropane	U		0.000319	0.00114	1	03/28/2018 14:42	WG1090297
Di-isopropyl ether	U		0.000284	0.00114	1	03/28/2018 14:42	WG1090297
Ethylbenzene	U		0.000340	0.00114	1	03/28/2018 14:42	WG1090297
Hexachloro-1,3-butadiene	U		0.000391	0.00114	1	03/28/2018 14:42	WG1090297
2-Hexanone	U		0.00157	0.0114	1	03/28/2018 14:42	WG1090297
n-Hexane	U	J0	0.000332	0.0114	1	03/28/2018 14:42	WG1090297
Iodomethane	U		0.00289	0.0114	1	03/28/2018 14:42	WG1090297
Isopropylbenzene	U		0.000278	0.00114	1	03/28/2018 14:42	WG1090297
p-Isopropyltoluene	U		0.000233	0.00114	1	03/28/2018 14:42	WG1090297
2-Butanone (MEK)	U	J0	0.00535	0.0114	1	03/28/2018 14:42	WG1090297
Methylene Chloride	U		0.00114	0.00572	1	03/28/2018 14:42	WG1090297
4-Methyl-2-pentanone (MIBK)	U		0.00215	0.0114	1	03/28/2018 14:42	WG1090297

Volatile Organic Compounds (GC/MS) by Method 8260C

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg		date / time	
Methyl tert-butyl ether	U		0.000242	0.00114	1	03/28/2018 14:42	WG1090297
Naphthalene	U		0.00114	0.00572	1	03/28/2018 14:42	WG1090297
n-Propylbenzene	U		0.000236	0.00114	1	03/28/2018 14:42	WG1090297
Styrene	U		0.000268	0.00114	1	03/28/2018 14:42	WG1090297
1,1,1,2-Tetrachloroethane	U		0.000302	0.00114	1	03/28/2018 14:42	WG1090297
1,1,2,2-Tetrachloroethane	U		0.000417	0.00114	1	03/28/2018 14:42	WG1090297
1,1,2-Trichlorotrifluoroethane	U		0.000417	0.00114	1	03/28/2018 14:42	WG1090297
Tetrachloroethene	0.0164		0.000316	0.00114	1	03/28/2018 14:42	WG1090297
Toluene	U		0.000496	0.00572	1	03/28/2018 14:42	WG1090297
1,2,3-Trichlorobenzene	U		0.000350	0.00114	1	03/28/2018 14:42	WG1090297
1,2,4-Trichlorobenzene	U		0.000444	0.00114	1	03/28/2018 14:42	WG1090297
1,1,1-Trichloroethane	U		0.000327	0.00114	1	03/28/2018 14:42	WG1090297
1,1,2-Trichloroethane	U		0.000317	0.00114	1	03/28/2018 14:42	WG1090297
Trichloroethene	0.000972	J	0.000319	0.00114	1	03/28/2018 14:42	WG1090297
Trichlorofluoromethane	U		0.000437	0.00572	1	03/28/2018 14:42	WG1090297
1,2,3-Trichloropropane	U		0.000848	0.00286	1	03/28/2018 14:42	WG1090297
1,2,4-Trimethylbenzene	U		0.000241	0.00114	1	03/28/2018 14:42	WG1090297
1,2,3-Trimethylbenzene	U		0.000328	0.00114	1	03/28/2018 14:42	WG1090297
1,3,5-Trimethylbenzene	U		0.000304	0.00114	1	03/28/2018 14:42	WG1090297
Vinyl acetate	U		0.00273	0.0114	1	03/28/2018 14:42	WG1090297
Vinyl chloride	0.000608	J	0.000333	0.00114	1	03/28/2018 14:42	WG1090297
Xylenes, Total	U		0.000798	0.00343	1	03/28/2018 14:42	WG1090297
(S) Toluene-d8	*102*			*80.0-120*		*03/28/2018 14:42*	WG1090297
(S) Dibromofluoromethane	*101*			*74.0-131*		*03/28/2018 14:42*	WG1090297
(S) 4-Bromofluorobenzene	*92.7*			*64.0-132*		*03/28/2018 14:42*	WG1090297

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	92.7		1	03/27/2018 09:07	WG1089692

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U	J0	0.0108	0.0539	1	03/28/2018 15:01	WG1090297
Acrylonitrile	U		0.00193	0.0108	1	03/28/2018 15:01	WG1090297
Benzene	U		0.000291	0.00108	1	03/28/2018 15:01	WG1090297
Bromobenzene	U		0.000306	0.00108	1	03/28/2018 15:01	WG1090297
Bromodichloromethane	U		0.000274	0.00108	1	03/28/2018 15:01	WG1090297
Bromochloromethane	U		0.000421	0.00539	1	03/28/2018 15:01	WG1090297
Bromoform	U	J0	0.000457	0.00108	1	03/28/2018 15:01	WG1090297
Bromomethane	U		0.00145	0.00539	1	03/28/2018 15:01	WG1090297
n-Butylbenzene	U		0.000278	0.00108	1	03/28/2018 15:01	WG1090297
sec-Butylbenzene	U		0.000217	0.00108	1	03/28/2018 15:01	WG1090297
tert-Butylbenzene	U		0.000222	0.00108	1	03/28/2018 15:01	WG1090297
Carbon disulfide	0.000479	B J J0	0.000238	0.00108	1	03/28/2018 15:01	WG1090297
Carbon tetrachloride	U		0.000354	0.00108	1	03/28/2018 15:01	WG1090297
Chlorobenzene	U		0.000229	0.00108	1	03/28/2018 15:01	WG1090297
Chlorodibromomethane	U		0.000402	0.00108	1	03/28/2018 15:01	WG1090297
Chloroethane	U		0.00102	0.00539	1	03/28/2018 15:01	WG1090297
Chloroform	U		0.000247	0.00539	1	03/28/2018 15:01	WG1090297
Chloromethane	0.00123	J J0	0.000405	0.00270	1	03/28/2018 15:01	WG1090297
2-Chlorotoluene	U		0.000325	0.00108	1	03/28/2018 15:01	WG1090297
4-Chlorotoluene	U		0.000259	0.00108	1	03/28/2018 15:01	WG1090297
1,2-Dibromo-3-Chloropropane	U		0.00113	0.00539	1	03/28/2018 15:01	WG1090297
1,2-Dibromoethane	U		0.000370	0.00108	1	03/28/2018 15:01	WG1090297
Dibromomethane	U		0.000412	0.00108	1	03/28/2018 15:01	WG1090297
1,2-Dichlorobenzene	U		0.000329	0.00108	1	03/28/2018 15:01	WG1090297
1,3-Dichlorobenzene	U		0.000258	0.00108	1	03/28/2018 15:01	WG1090297
1,4-Dichlorobenzene	U		0.000244	0.00108	1	03/28/2018 15:01	WG1090297
Dichlorodifluoromethane	U	J0	0.000769	0.00539	1	03/28/2018 15:01	WG1090297
1,1-Dichloroethane	U		0.000215	0.00108	1	03/28/2018 15:01	WG1090297
1,2-Dichloroethane	U		0.000286	0.00108	1	03/28/2018 15:01	WG1090297
1,1-Dichloroethene	U		0.000327	0.00108	1	03/28/2018 15:01	WG1090297
cis-1,2-Dichloroethene	0.00183		0.000254	0.00108	1	03/28/2018 15:01	WG1090297
trans-1,2-Dichloroethene	U		0.000285	0.00108	1	03/28/2018 15:01	WG1090297
1,2-Dichloropropane	U		0.000386	0.00108	1	03/28/2018 15:01	WG1090297
1,1-Dichloropropene	U		0.000342	0.00108	1	03/28/2018 15:01	WG1090297
1,3-Dichloropropane	U		0.000223	0.00108	1	03/28/2018 15:01	WG1090297
cis-1,3-Dichloropropene	U		0.000283	0.00108	1	03/28/2018 15:01	WG1090297
trans-1,3-Dichloropropene	U		0.000288	0.00108	1	03/28/2018 15:01	WG1090297
trans-1,4-Dichloro-2-butene	U	J0	0.000839	0.00270	1	03/28/2018 15:01	WG1090297
2,2-Dichloropropane	U		0.000301	0.00108	1	03/28/2018 15:01	WG1090297
Di-isopropyl ether	U		0.000268	0.00108	1	03/28/2018 15:01	WG1090297
Ethylbenzene	U		0.000320	0.00108	1	03/28/2018 15:01	WG1090297
Hexachloro-1,3-butadiene	U		0.000369	0.00108	1	03/28/2018 15:01	WG1090297
2-Hexanone	U		0.00148	0.0108	1	03/28/2018 15:01	WG1090297
n-Hexane	0.00287	J J0	0.000313	0.0108	1	03/28/2018 15:01	WG1090297
Iodomethane	U		0.00273	0.0108	1	03/28/2018 15:01	WG1090297
Isopropylbenzene	U		0.000262	0.00108	1	03/28/2018 15:01	WG1090297
p-Isopropyltoluene	U		0.000220	0.00108	1	03/28/2018 15:01	WG1090297
2-Butanone (MEK)	U	J0	0.00505	0.0108	1	03/28/2018 15:01	WG1090297
Methylene Chloride	U		0.00108	0.00539	1	03/28/2018 15:01	WG1090297
4-Methyl-2-pentanone (MIBK)	U		0.00203	0.0108	1	03/28/2018 15:01	WG1090297

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000229	0.00108	1	03/28/2018 15:01	WG1090297
Naphthalene	U		0.00108	0.00539	1	03/28/2018 15:01	WG1090297
n-Propylbenzene	U		0.000222	0.00108	1	03/28/2018 15:01	WG1090297
Styrene	U		0.000252	0.00108	1	03/28/2018 15:01	WG1090297
1,1,1,2-Tetrachloroethane	U		0.000285	0.00108	1	03/28/2018 15:01	WG1090297
1,1,2,2-Tetrachloroethane	U		0.000394	0.00108	1	03/28/2018 15:01	WG1090297
1,1,2-Trichlorotrifluoroethane	U		0.000394	0.00108	1	03/28/2018 15:01	WG1090297
Tetrachloroethene	0.00501		0.000298	0.00108	1	03/28/2018 15:01	WG1090297
Toluene	U		0.000468	0.00539	1	03/28/2018 15:01	WG1090297
1,2,3-Trichlorobenzene	U		0.000330	0.00108	1	03/28/2018 15:01	WG1090297
1,2,4-Trichlorobenzene	U		0.000419	0.00108	1	03/28/2018 15:01	WG1090297
1,1,1-Trichloroethane	U		0.000309	0.00108	1	03/28/2018 15:01	WG1090297
1,1,2-Trichloroethane	U		0.000299	0.00108	1	03/28/2018 15:01	WG1090297
Trichloroethene	0.000352	J	0.000301	0.00108	1	03/28/2018 15:01	WG1090297
Trichlorofluoromethane	U		0.000412	0.00539	1	03/28/2018 15:01	WG1090297
1,2,3-Trichloropropane	U		0.000800	0.00270	1	03/28/2018 15:01	WG1090297
1,2,4-Trimethylbenzene	U		0.000228	0.00108	1	03/28/2018 15:01	WG1090297
1,2,3-Trimethylbenzene	U		0.000310	0.00108	1	03/28/2018 15:01	WG1090297
1,3,5-Trimethylbenzene	U		0.000287	0.00108	1	03/28/2018 15:01	WG1090297
Vinyl acetate	U		0.00258	0.0108	1	03/28/2018 15:01	WG1090297
Vinyl chloride	0.000393	J	0.000314	0.00108	1	03/28/2018 15:01	WG1090297
Xylenes, Total	U		0.000753	0.00324	1	03/28/2018 15:01	WG1090297
(S) Toluene-d8	*105*			*80.0-120*		*03/28/2018 15:01*	WG1090297
(S) Dibromofluoromethane	*102*			*74.0-131*		*03/28/2018 15:01*	WG1090297
(S) 4-Bromofluorobenzene	*92.0*			*64.0-132*		*03/28/2018 15:01*	WG1090297

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	87.3		1	03/27/2018 09:07	WG1089692

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U	J0	0.0115	0.0573	1	03/28/2018 15:21	WG1090297
Acrylonitrile	U		0.00205	0.0115	1	03/28/2018 15:21	WG1090297
Benzene	U		0.000309	0.00115	1	03/28/2018 15:21	WG1090297
Bromobenzene	U		0.000325	0.00115	1	03/28/2018 15:21	WG1090297
Bromodichloromethane	U		0.000291	0.00115	1	03/28/2018 15:21	WG1090297
Bromochloromethane	U		0.000447	0.00573	1	03/28/2018 15:21	WG1090297
Bromoform	U	J0	0.000486	0.00115	1	03/28/2018 15:21	WG1090297
Bromomethane	U		0.00153	0.00573	1	03/28/2018 15:21	WG1090297
n-Butylbenzene	U		0.000295	0.00115	1	03/28/2018 15:21	WG1090297
sec-Butylbenzene	U		0.000230	0.00115	1	03/28/2018 15:21	WG1090297
tert-Butylbenzene	U		0.000236	0.00115	1	03/28/2018 15:21	WG1090297
Carbon disulfide	0.000293	B J J0	0.000253	0.00115	1	03/28/2018 15:21	WG1090297
Carbon tetrachloride	U		0.000376	0.00115	1	03/28/2018 15:21	WG1090297
Chlorobenzene	U		0.000243	0.00115	1	03/28/2018 15:21	WG1090297
Chlorodibromomethane	U		0.000427	0.00115	1	03/28/2018 15:21	WG1090297
Chloroethane	U		0.00108	0.00573	1	03/28/2018 15:21	WG1090297
Chloroform	U		0.000262	0.00573	1	03/28/2018 15:21	WG1090297
Chloromethane	U	J0	0.000429	0.00286	1	03/28/2018 15:21	WG1090297
2-Chlorotoluene	U		0.000345	0.00115	1	03/28/2018 15:21	WG1090297
4-Chlorotoluene	U		0.000275	0.00115	1	03/28/2018 15:21	WG1090297
1,2-Dibromo-3-Chloropropane	U		0.00120	0.00573	1	03/28/2018 15:21	WG1090297
1,2-Dibromoethane	U		0.000393	0.00115	1	03/28/2018 15:21	WG1090297
Dibromomethane	U		0.000437	0.00115	1	03/28/2018 15:21	WG1090297
1,2-Dichlorobenzene	U		0.000349	0.00115	1	03/28/2018 15:21	WG1090297
1,3-Dichlorobenzene	U		0.000274	0.00115	1	03/28/2018 15:21	WG1090297
1,4-Dichlorobenzene	U		0.000259	0.00115	1	03/28/2018 15:21	WG1090297
Dichlorodifluoromethane	U	J0	0.000817	0.00573	1	03/28/2018 15:21	WG1090297
1,1-Dichloroethane	U		0.000228	0.00115	1	03/28/2018 15:21	WG1090297
1,2-Dichloroethane	U		0.000303	0.00115	1	03/28/2018 15:21	WG1090297
1,1-Dichloroethene	U		0.000347	0.00115	1	03/28/2018 15:21	WG1090297
cis-1,2-Dichloroethene	0.00148		0.000269	0.00115	1	03/28/2018 15:21	WG1090297
trans-1,2-Dichloroethene	U		0.000302	0.00115	1	03/28/2018 15:21	WG1090297
1,2-Dichloropropane	U		0.000410	0.00115	1	03/28/2018 15:21	WG1090297
1,1-Dichloropropene	U		0.000363	0.00115	1	03/28/2018 15:21	WG1090297
1,3-Dichloropropane	U		0.000237	0.00115	1	03/28/2018 15:21	WG1090297
cis-1,3-Dichloropropene	U		0.000300	0.00115	1	03/28/2018 15:21	WG1090297
trans-1,3-Dichloropropene	U		0.000306	0.00115	1	03/28/2018 15:21	WG1090297
trans-1,4-Dichloro-2-butene	U	J0	0.000891	0.00286	1	03/28/2018 15:21	WG1090297
2,2-Dichloropropane	U		0.000320	0.00115	1	03/28/2018 15:21	WG1090297
Di-isopropyl ether	U	J0	0.000284	0.00115	1	03/28/2018 15:21	WG1090297
Ethylbenzene	U		0.000340	0.00115	1	03/28/2018 15:21	WG1090297
Hexachloro-1,3-butadiene	U		0.000392	0.00115	1	03/28/2018 15:21	WG1090297
2-Hexanone	U		0.00157	0.0115	1	03/28/2018 15:21	WG1090297
n-Hexane	U	J0	0.000332	0.0115	1	03/28/2018 15:21	WG1090297
Iodomethane	U		0.00290	0.0115	1	03/28/2018 15:21	WG1090297
Isopropylbenzene	U		0.000278	0.00115	1	03/28/2018 15:21	WG1090297
p-Isopropyltoluene	U		0.000234	0.00115	1	03/28/2018 15:21	WG1090297
2-Butanone (MEK)	U	J0	0.00536	0.0115	1	03/28/2018 15:21	WG1090297
Methylene Chloride	U		0.00115	0.00573	1	03/28/2018 15:21	WG1090297
4-Methyl-2-pentanone (MIBK)	U		0.00215	0.0115	1	03/28/2018 15:21	WG1090297

Volatile Organic Compounds (GC/MS) by Method 8260C

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg		date / time	
Methyl tert-butyl ether	U		0.000243	0.00115	1	03/28/2018 15:21	WG1090297
Naphthalene	U		0.00115	0.00573	1	03/28/2018 15:21	WG1090297
n-Propylbenzene	U		0.000236	0.00115	1	03/28/2018 15:21	WG1090297
Styrene	U		0.000268	0.00115	1	03/28/2018 15:21	WG1090297
1,1,1,2-Tetrachloroethane	U		0.000302	0.00115	1	03/28/2018 15:21	WG1090297
1,1,2,2-Tetrachloroethane	U		0.000418	0.00115	1	03/28/2018 15:21	WG1090297
1,1,2-Trichlorotrifluoroethane	U		0.000418	0.00115	1	03/28/2018 15:21	WG1090297
Tetrachloroethene	0.00710		0.000316	0.00115	1	03/28/2018 15:21	WG1090297
Toluene	U		0.000497	0.00573	1	03/28/2018 15:21	WG1090297
1,2,3-Trichlorobenzene	U		0.000350	0.00115	1	03/28/2018 15:21	WG1090297
1,2,4-Trichlorobenzene	U		0.000444	0.00115	1	03/28/2018 15:21	WG1090297
1,1,1-Trichloroethane	U		0.000328	0.00115	1	03/28/2018 15:21	WG1090297
1,1,2-Trichloroethane	U		0.000317	0.00115	1	03/28/2018 15:21	WG1090297
Trichloroethene	0.000382	J	0.000320	0.00115	1	03/28/2018 15:21	WG1090297
Trichlorofluoromethane	U		0.000437	0.00573	1	03/28/2018 15:21	WG1090297
1,2,3-Trichloropropane	U		0.000849	0.00286	1	03/28/2018 15:21	WG1090297
1,2,4-Trimethylbenzene	U		0.000242	0.00115	1	03/28/2018 15:21	WG1090297
1,2,3-Trimethylbenzene	U		0.000329	0.00115	1	03/28/2018 15:21	WG1090297
1,3,5-Trimethylbenzene	U		0.000305	0.00115	1	03/28/2018 15:21	WG1090297
Vinyl acetate	U		0.00274	0.0115	1	03/28/2018 15:21	WG1090297
Vinyl chloride	U		0.000333	0.00115	1	03/28/2018 15:21	WG1090297
Xylenes, Total	U		0.000799	0.00344	1	03/28/2018 15:21	WG1090297
(S) Toluene-d8	*104*			*80.0-120*		*03/28/2018 15:21*	WG1090297
(S) Dibromofluoromethane	*101*			*74.0-131*		*03/28/2018 15:21*	WG1090297
(S) 4-Bromofluorobenzene	*92.9*			*64.0-132*		*03/28/2018 15:21*	WG1090297

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

IW-8B-64
Collected date/time: 03/20/18 09:15

SAMPLE RESULTS - 27

L979234

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	88.7		1	03/27/2018 09:07	WG1089692

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U	J0	0.0113	0.0564	1	03/28/2018 15:40	WG1090297
Acrylonitrile	U		0.00202	0.0113	1	03/28/2018 15:40	WG1090297
Benzene	U		0.000304	0.00113	1	03/28/2018 15:40	WG1090297
Bromobenzene	U		0.000320	0.00113	1	03/28/2018 15:40	WG1090297
Bromodichloromethane	U		0.000286	0.00113	1	03/28/2018 15:40	WG1090297
Bromochloromethane	U		0.000440	0.00564	1	03/28/2018 15:40	WG1090297
Bromoform	U		0.000478	0.00113	1	03/28/2018 15:40	WG1090297
Bromomethane	U	J0	0.00151	0.00564	1	03/28/2018 15:40	WG1090297
n-Butylbenzene	U		0.000291	0.00113	1	03/28/2018 15:40	WG1090297
sec-Butylbenzene	U		0.000227	0.00113	1	03/28/2018 15:40	WG1090297
tert-Butylbenzene	U		0.000232	0.00113	1	03/28/2018 15:40	WG1090297
Carbon disulfide	0.000584	B J J0	0.000249	0.00113	1	03/28/2018 15:40	WG1090297
Carbon tetrachloride	U		0.000370	0.00113	1	03/28/2018 15:40	WG1090297
Chlorobenzene	U		0.000239	0.00113	1	03/28/2018 15:40	WG1090297
Chlorodibromomethane	U		0.000421	0.00113	1	03/28/2018 15:40	WG1090297
Chloroethane	U		0.00107	0.00564	1	03/28/2018 15:40	WG1090297
Chloroform	U		0.000258	0.00564	1	03/28/2018 15:40	WG1090297
Chloromethane	U	J0	0.000423	0.00282	1	03/28/2018 15:40	WG1090297
2-Chlorotoluene	U		0.000339	0.00113	1	03/28/2018 15:40	WG1090297
4-Chlorotoluene	U		0.000271	0.00113	1	03/28/2018 15:40	WG1090297
1,2-Dibromo-3-Chloropropane	U		0.00118	0.00564	1	03/28/2018 15:40	WG1090297
1,2-Dibromoethane	U		0.000387	0.00113	1	03/28/2018 15:40	WG1090297
Dibromomethane	U		0.000431	0.00113	1	03/28/2018 15:40	WG1090297
1,2-Dichlorobenzene	U		0.000344	0.00113	1	03/28/2018 15:40	WG1090297
1,3-Dichlorobenzene	U		0.000269	0.00113	1	03/28/2018 15:40	WG1090297
1,4-Dichlorobenzene	U		0.000255	0.00113	1	03/28/2018 15:40	WG1090297
Dichlorodifluoromethane	U	J0	0.000804	0.00564	1	03/28/2018 15:40	WG1090297
1,1-Dichloroethane	U		0.000224	0.00113	1	03/28/2018 15:40	WG1090297
1,2-Dichloroethane	U		0.000299	0.00113	1	03/28/2018 15:40	WG1090297
1,1-Dichloroethene	U		0.000342	0.00113	1	03/28/2018 15:40	WG1090297
cis-1,2-Dichloroethene	0.00102	J	0.000265	0.00113	1	03/28/2018 15:40	WG1090297
trans-1,2-Dichloroethene	U		0.000298	0.00113	1	03/28/2018 15:40	WG1090297
1,2-Dichloropropane	U		0.000404	0.00113	1	03/28/2018 15:40	WG1090297
1,1-Dichloropropene	U		0.000357	0.00113	1	03/28/2018 15:40	WG1090297
1,3-Dichloropropane	U		0.000233	0.00113	1	03/28/2018 15:40	WG1090297
cis-1,3-Dichloropropene	U		0.000295	0.00113	1	03/28/2018 15:40	WG1090297
trans-1,3-Dichloropropene	U		0.000301	0.00113	1	03/28/2018 15:40	WG1090297
trans-1,4-Dichloro-2-butene	U	J0	0.000877	0.00282	1	03/28/2018 15:40	WG1090297
2,2-Dichloropropane	U		0.000315	0.00113	1	03/28/2018 15:40	WG1090297
Di-isopropyl ether	U	J0	0.000280	0.00113	1	03/28/2018 15:40	WG1090297
Ethylbenzene	U		0.000335	0.00113	1	03/28/2018 15:40	WG1090297
Hexachloro-1,3-butadiene	U		0.000386	0.00113	1	03/28/2018 15:40	WG1090297
2-Hexanone	U		0.00154	0.0113	1	03/28/2018 15:40	WG1090297
n-Hexane	U	J0	0.000327	0.0113	1	03/28/2018 15:40	WG1090297
Iodomethane	U		0.00285	0.0113	1	03/28/2018 15:40	WG1090297
Isopropylbenzene	U		0.000274	0.00113	1	03/28/2018 15:40	WG1090297
p-Isopropyltoluene	U		0.000230	0.00113	1	03/28/2018 15:40	WG1090297
2-Butanone (MEK)	U	J0	0.00528	0.0113	1	03/28/2018 15:40	WG1090297
Methylene Chloride	U		0.00113	0.00564	1	03/28/2018 15:40	WG1090297
4-Methyl-2-pentanone (MIBK)	U		0.00212	0.0113	1	03/28/2018 15:40	WG1090297

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000239	0.00113	1	03/28/2018 15:40	WG1090297
Naphthalene	U		0.00113	0.00564	1	03/28/2018 15:40	WG1090297
n-Propylbenzene	U		0.000232	0.00113	1	03/28/2018 15:40	WG1090297
Styrene	U		0.000264	0.00113	1	03/28/2018 15:40	WG1090297
1,1,1,2-Tetrachloroethane	U		0.000298	0.00113	1	03/28/2018 15:40	WG1090297
1,1,2,2-Tetrachloroethane	U		0.000412	0.00113	1	03/28/2018 15:40	WG1090297
1,1,2-Trichlorotrifluoroethane	U		0.000412	0.00113	1	03/28/2018 15:40	WG1090297
Tetrachloroethene	0.00679		0.000311	0.00113	1	03/28/2018 15:40	WG1090297
Toluene	U		0.000489	0.00564	1	03/28/2018 15:40	WG1090297
1,2,3-Trichlorobenzene	U		0.000345	0.00113	1	03/28/2018 15:40	WG1090297
1,2,4-Trichlorobenzene	U		0.000437	0.00113	1	03/28/2018 15:40	WG1090297
1,1,1-Trichloroethane	U		0.000322	0.00113	1	03/28/2018 15:40	WG1090297
1,1,2-Trichloroethane	U		0.000312	0.00113	1	03/28/2018 15:40	WG1090297
Trichloroethene	0.000406	J	0.000315	0.00113	1	03/28/2018 15:40	WG1090297
Trichlorofluoromethane	U		0.000431	0.00564	1	03/28/2018 15:40	WG1090297
1,2,3-Trichloropropane	U		0.000835	0.00282	1	03/28/2018 15:40	WG1090297
1,2,4-Trimethylbenzene	U		0.000238	0.00113	1	03/28/2018 15:40	WG1090297
1,2,3-Trimethylbenzene	U		0.000324	0.00113	1	03/28/2018 15:40	WG1090297
1,3,5-Trimethylbenzene	U		0.000300	0.00113	1	03/28/2018 15:40	WG1090297
Vinyl acetate	U		0.00269	0.0113	1	03/28/2018 15:40	WG1090297
Vinyl chloride	U		0.000328	0.00113	1	03/28/2018 15:40	WG1090297
Xylenes, Total	U		0.000787	0.00338	1	03/28/2018 15:40	WG1090297
(S) Toluene-d8	*105*			*80.0-120*		*03/28/2018 15:40*	WG1090297
(S) Dibromofluoromethane	*102*			*74.0-131*		*03/28/2018 15:40*	WG1090297
(S) 4-Bromofluorobenzene	*91.2*			*64.0-132*		*03/28/2018 15:40*	WG1090297

Method Blank (MB)

(MB) R3296921-1 03/27/18 14:38

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.00200			

L979219-09 Original Sample (OS) • Duplicate (DUP)

(OS) L979219-09 03/27/18 14:38 • (DUP) R3296921-3 03/27/18 14:38

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	85.6	83.0	1	3.07		5

Laboratory Control Sample (LCS)

(LCS) R3296921-2 03/27/18 14:38

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	49.9	99.9	85.0-115	

Method Blank (MB)

(MB) R3296929-1 03/27/18 15:23

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.00200			

L979234-11 Original Sample (OS) • Duplicate (DUP)

(OS) L979234-11 03/27/18 15:23 • (DUP) R3296929-3 03/27/18 15:23

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	90.9	94.6	1	4.05		5

Laboratory Control Sample (LCS)

(LCS) R3296929-2 03/27/18 15:23

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	99.9	85.0-115	

Method Blank (MB)

(MB) R3296905-1 03/27/18 09:07

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.00100			

L979236-01 Original Sample (OS) • Duplicate (DUP)

(OS) L979236-01 03/27/18 09:07 • (DUP) R3296905-3 03/27/18 09:07

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	87.8	88.9	1	1.26		5

Laboratory Control Sample (LCS)

(LCS) R3296905-2 03/27/18 09:07

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	85.0-115	

Method Blank (MB)

(MB) R3296765-2 03/22/18 14:01

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Acetone	U		1.05	25.0
Acrylonitrile	U		0.873	5.00
Benzene	U		0.0896	0.500
Bromobenzene	U		0.133	0.500
Bromodichloromethane	U		0.0800	0.500
Bromochloromethane	U		0.145	0.500
Bromoform	U		0.186	0.500
Bromomethane	U		0.157	2.50
n-Butylbenzene	U		0.143	0.500
sec-Butylbenzene	U		0.134	0.500
tert-Butylbenzene	U		0.183	0.500
Carbon disulfide	U		0.101	0.500
Carbon tetrachloride	U		0.159	0.500
Chlorobenzene	U		0.140	0.500
Chlorodibromomethane	U		0.128	0.500
Chloroethane	U		0.141	2.50
2-Chlorotoluene	U		0.111	0.500
Chloroform	U		0.0860	0.500
4-Chlorotoluene	U		0.0972	0.500
Chloromethane	U		0.153	1.25
Dibromomethane	U		0.117	0.500
1,2-Dibromo-3-Chloropropane	U		0.325	2.50
1,2-Dibromoethane	U		0.193	0.500
1,2-Dichlorobenzene	U		0.101	0.500
1,3-Dichlorobenzene	U		0.130	0.500
1,4-Dichlorobenzene	U		0.121	0.500
Dichlorodifluoromethane	U		0.127	2.50
1,1-Dichloroethane	U		0.114	0.500
1,1-Dichloropropene	U		0.128	0.500
1,2-Dichloroethane	U		0.108	0.500
1,1-Dichloroethene	U		0.188	0.500
1,3-Dichloropropane	U		0.147	1.00
cis-1,2-Dichloroethene	U		0.0933	0.500
trans-1,2-Dichloroethene	U		0.152	0.500
1,2-Dichloropropane	U		0.190	0.500
trans-1,4-Dichloro-2-butene	U		0.257	5.00
2,2-Dichloropropane	U		0.0929	0.500
Di-isopropyl ether	U		0.0924	0.500
cis-1,3-Dichloropropene	U		0.0976	0.500
Hexachloro-1,3-butadiene	U		0.157	1.00

Method Blank (MB)

(MB) R3296765-2 03/22/18 14:01

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
trans-1,3-Dichloropropene	U		0.222	0.500
n-Hexane	U		0.305	5.00
Iodomethane	U		0.377	10.0
Ethylbenzene	U		0.158	0.500
2-Hexanone	U		0.757	5.00
Isopropylbenzene	U		0.126	0.500
1,1,1,2-Tetrachloroethane	U		0.120	0.500
p-Isopropyltoluene	U		0.138	0.500
2-Butanone (MEK)	U		1.28	5.00
Methylene Chloride	U		1.07	2.50
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00
Methyl tert-butyl ether	U		0.102	0.500
Naphthalene	U		0.174	2.50
1,2,3-Trichloropropane	U		0.247	2.50
n-Propylbenzene	U		0.162	0.500
Styrene	U		0.117	0.500
1,2,3-Trimethylbenzene	U		0.0739	0.500
1,1,2,2-Tetrachloroethane	U		0.130	0.500
Tetrachloroethene	U		0.199	0.500
Vinyl acetate	U		0.645	5.00
Toluene	U		0.412	0.500
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500
1,2,3-Trichlorobenzene	U		0.164	0.500
1,2,4-Trichlorobenzene	U		0.355	0.500
1,1,1-Trichloroethane	U		0.0940	0.500
1,1,2-Trichloroethane	U		0.186	0.500
Trichloroethene	U		0.153	0.500
Trichlorofluoromethane	U		0.130	2.50
1,2,4-Trimethylbenzene	U		0.123	0.500
1,3,5-Trimethylbenzene	U		0.124	0.500
Vinyl chloride	U		0.118	0.500
Xylenes, Total	U		0.316	1.50
(S) Toluene-d8	*99.0*			*80.0-120*
(S) Dibromofluoromethane	*101*			*76.0-123*
(S) 4-Bromofluorobenzene	*104*			*80.0-120*

Laboratory Control Sample (LCS)

(LCS) R3296765-1 03/22/18 13:22

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acrylonitrile	125	139	112	60.0-142	
Bromobenzene	25.0	27.8	111	79.0-120	
2-Chlorotoluene	25.0	27.9	111	74.0-122	
4-Chlorotoluene	25.0	28.1	112	79.0-120	
Dibromomethane	25.0	26.6	107	78.0-120	
1,1-Dichloropropene	25.0	30.7	123	71.0-129	
1,3-Dichloropropane	25.0	27.2	109	80.0-121	
Acetone	125	167	134	10.0-160	
Benzene	25.0	27.5	110	69.0-123	
trans-1,4-Dichloro-2-butene	25.0	25.1	100	55.0-134	
2,2-Dichloropropane	25.0	27.7	111	60.0-125	
Bromodichloromethane	25.0	26.6	107	76.0-120	
Di-isopropyl ether	25.0	29.9	119	59.0-133	
Bromochloromethane	25.0	28.6	114	76.0-122	
Bromoform	25.0	25.8	103	67.0-132	
Hexachloro-1,3-butadiene	25.0	30.0	120	64.0-131	
Bromomethane	25.0	26.0	104	18.0-160	
n-Hexane	25.0	28.1	113	56.0-124	
Iodomethane	125	139	111	57.0-140	
n-Butylbenzene	25.0	28.2	113	72.0-126	
sec-Butylbenzene	25.0	29.3	117	74.0-121	
tert-Butylbenzene	25.0	28.7	115	75.0-122	
Carbon disulfide	25.0	27.2	109	55.0-127	
Carbon tetrachloride	25.0	29.4	117	63.0-122	
Chlorobenzene	25.0	27.0	108	79.0-121	
Chlorodibromomethane	25.0	26.8	107	75.0-125	
Chloroethane	25.0	26.3	105	47.0-152	
Chloroform	25.0	27.6	110	72.0-121	
1,1,1,2-Tetrachloroethane	25.0	27.7	111	75.0-122	
Chloromethane	25.0	29.7	119	48.0-139	
1,2-Dibromo-3-Chloropropane	25.0	25.3	101	64.0-127	
1,2-Dibromoethane	25.0	27.6	111	77.0-123	
1,2-Dichlorobenzene	25.0	26.5	106	80.0-120	
1,3-Dichlorobenzene	25.0	26.8	107	72.0-123	
1,4-Dichlorobenzene	25.0	26.8	107	77.0-120	
Dichlorodifluoromethane	25.0	27.2	109	49.0-155	
1,2,3-Trichloropropane	25.0	25.8	103	72.0-124	
1,1-Dichloroethane	25.0	29.1	117	70.0-126	
1,2,3-Trimethylbenzene	25.0	27.7	111	75.0-120	
1,2-Dichloroethane	25.0	29.9	119	67.0-126	

Laboratory Control Sample (LCS)

(LCS) R3296765-1 03/22/18 13:22

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
1,1-Dichloroethene	25.0	27.3	109	64.0-129	
cis-1,2-Dichloroethene	25.0	26.7	107	73.0-120	
Vinyl acetate	125	125	99.6	46.0-160	
trans-1,2-Dichloroethene	25.0	26.0	104	71.0-121	
1,2-Dichloropropane	25.0	27.5	110	75.0-125	
cis-1,3-Dichloropropene	25.0	26.3	105	79.0-123	
trans-1,3-Dichloropropene	25.0	26.3	105	74.0-127	
Ethylbenzene	25.0	26.5	106	77.0-120	
2-Hexanone	125	133	107	58.0-147	
Isopropylbenzene	25.0	28.0	112	75.0-120	
p-Isopropyltoluene	25.0	28.3	113	74.0-126	
2-Butanone (MEK)	125	141	113	37.0-158	
Methylene Chloride	25.0	24.9	99.8	66.0-121	
4-Methyl-2-pentanone (MIBK)	125	140	112	59.0-143	
Methyl tert-butyl ether	25.0	27.8	111	64.0-123	
Naphthalene	25.0	25.7	103	62.0-128	
n-Propylbenzene	25.0	28.5	114	79.0-120	
Styrene	25.0	26.7	107	78.0-124	
1,1,2,2-Tetrachloroethane	25.0	25.3	101	71.0-122	
Tetrachloroethene	25.0	28.0	112	70.0-127	
Toluene	25.0	26.0	104	77.0-120	
1,1,2-Trichlorotrifluoroethane	25.0	27.6	111	61.0-136	
1,2,3-Trichlorobenzene	25.0	26.8	107	61.0-133	
1,2,4-Trichlorobenzene	25.0	26.7	107	69.0-129	
1,1,1-Trichloroethane	25.0	28.8	115	68.0-122	
1,1,2-Trichloroethane	25.0	25.1	100	78.0-120	
Trichloroethene	25.0	28.8	115	78.0-120	
Trichlorofluoromethane	25.0	31.2	125	56.0-137	
1,2,4-Trimethylbenzene	25.0	26.9	107	75.0-120	
1,3,5-Trimethylbenzene	25.0	28.7	115	75.0-120	
Vinyl chloride	25.0	30.4	122	64.0-133	
Xylenes, Total	75.0	80.6	107	77.0-120	
(S) Toluene-d8			*102*	*80.0-120*	
(S) Dibromofluoromethane			*106*	*76.0-123*	
(S) 4-Bromofluorobenzene			*103*	*80.0-120*	

Method Blank (MB)

(MB) R3296950-1 03/27/18 11:20

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acetone	U		0.0100	0.0500
Acrylonitrile	U		0.00179	0.0100
Benzene	U		0.000270	0.00100
Bromobenzene	U		0.000284	0.00100
Bromodichloromethane	U		0.000254	0.00100
Bromochloromethane	U		0.000390	0.00500
Bromoform	U		0.000424	0.00100
Bromomethane	U		0.00134	0.00500
n-Butylbenzene	U		0.000258	0.00100
sec-Butylbenzene	U		0.000201	0.00100
tert-Butylbenzene	U		0.000206	0.00100
Carbon disulfide	U		0.000221	0.00100
Carbon tetrachloride	U		0.000328	0.00100
Chlorobenzene	U		0.000212	0.00100
Chlorodibromomethane	U		0.000373	0.00100
Chloroethane	U		0.000946	0.00500
Chloroform	U		0.000229	0.00500
Chloromethane	U		0.000375	0.00250
2-Chlorotoluene	U		0.000301	0.00100
4-Chlorotoluene	U		0.000240	0.00100
1,2-Dibromo-3-Chloropropane	U		0.00105	0.00500
1,2-Dibromoethane	U		0.000343	0.00100
Dibromomethane	U		0.000382	0.00100
1,2-Dichlorobenzene	U		0.000305	0.00100
1,3-Dichlorobenzene	U		0.000239	0.00100
1,4-Dichlorobenzene	U		0.000226	0.00100
trans-1,4-Dichloro-2-butene	U		0.000778	0.00250
Dichlorodifluoromethane	U		0.000713	0.00500
1,1-Dichloroethane	U		0.000199	0.00100
1,2-Dichloroethane	U		0.000265	0.00100
1,1-Dichloroethene	U		0.000303	0.00100
cis-1,2-Dichloroethene	U		0.000235	0.00100
trans-1,2-Dichloroethene	U		0.000264	0.00100
1,2-Dichloropropane	U		0.000358	0.00100
1,1-Dichloropropene	U		0.000317	0.00100
1,3-Dichloropropane	U		0.000207	0.00100
cis-1,3-Dichloropropene	U		0.000262	0.00100
trans-1,3-Dichloropropene	U		0.000267	0.00100
2,2-Dichloropropane	U		0.000279	0.00100
Di-isopropyl ether	U		0.000248	0.00100

Method Blank (MB)

(MB) R3296950-1 03/27/18 11:20

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Ethylbenzene	U		0.000297	0.00100
2-Hexanone	U		0.00137	0.0100
n-Hexane	U		0.000290	0.0100
Hexachloro-1,3-butadiene	U		0.000342	0.00100
Iodomethane	U		0.00253	0.0100
Isopropylbenzene	U		0.000243	0.00100
p-Isopropyltoluene	U		0.000204	0.00100
2-Butanone (MEK)	U		0.00468	0.0100
Methylene Chloride	U		0.00100	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.00188	0.0100
Methyl tert-butyl ether	U		0.000212	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.000206	0.00100
Styrene	U		0.000234	0.00100
1,1,1,2-Tetrachloroethane	U		0.000264	0.00100
1,1,2,2-Tetrachloroethane	U		0.000365	0.00100
Tetrachloroethene	U		0.000276	0.00100
Toluene	U		0.000434	0.00500
1,1,2-Trichlorotrifluoroethane	U		0.000365	0.00100
1,2,3-Trichlorobenzene	U		0.000306	0.00100
1,2,4-Trichlorobenzene	U		0.000388	0.00100
1,1,1-Trichloroethane	U		0.000286	0.00100
1,1,2-Trichloroethane	U		0.000277	0.00100
Trichloroethene	U		0.000279	0.00100
Trichlorofluoromethane	U		0.000382	0.00500
Vinyl acetate	U		0.00239	0.0100
1,2,3-Trichloropropane	U		0.000741	0.00250
1,2,3-Trimethylbenzene	U		0.000287	0.00100
1,2,4-Trimethylbenzene	U		0.000211	0.00100
1,3,5-Trimethylbenzene	U		0.000266	0.00100
Vinyl chloride	U		0.000291	0.00100
Xylenes, Total	U		0.000698	0.00300
(S) Toluene-d8	*112*			*80.0-120*
(S) Dibromofluoromethane	*104*			*74.0-131*
(S) 4-Bromofluorobenzene	*107*			*64.0-132*

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Laboratory Control Sample (LCS)

(LCS) R3296950-2 03/27/18 12:01

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	0.125	0.108	86.3	11.0-160	
Bromochloromethane	0.0250	0.0280	112	80.0-121	
Acrylonitrile	0.125	0.121	97.1	61.0-143	
Benzene	0.0250	0.0241	96.3	71.0-124	
Bromobenzene	0.0250	0.0250	100	78.0-120	
Bromodichloromethane	0.0250	0.0220	88.1	75.0-120	
Bromoform	0.0250	0.0241	96.5	65.0-133	
Carbon disulfide	0.0250	0.0250	100	53.0-130	
Bromomethane	0.0250	0.0266	106	26.0-160	
n-Butylbenzene	0.0250	0.0252	101	73.0-126	
sec-Butylbenzene	0.0250	0.0231	92.6	75.0-121	
tert-Butylbenzene	0.0250	0.0237	94.8	74.0-122	
Carbon tetrachloride	0.0250	0.0220	88.1	66.0-123	
Chlorobenzene	0.0250	0.0259	103	79.0-121	
Chlorodibromomethane	0.0250	0.0249	99.7	74.0-128	
Chloroethane	0.0250	0.0267	107	51.0-147	
Chloroform	0.0250	0.0250	99.8	73.0-123	
Chloromethane	0.0250	0.0241	96.6	51.0-138	
2-Chlorotoluene	0.0250	0.0264	106	72.0-124	
4-Chlorotoluene	0.0250	0.0253	101	78.0-120	
1,2-Dibromo-3-Chloropropane	0.0250	0.0186	74.5	65.0-126	
trans-1,4-Dichloro-2-butene	0.0250	0.0223	89.1	68.0-126	
1,2-Dibromoethane	0.0250	0.0236	94.3	78.0-122	
Dibromomethane	0.0250	0.0268	107	79.0-120	
1,2-Dichlorobenzene	0.0250	0.0279	112	80.0-120	
1,3-Dichlorobenzene	0.0250	0.0273	109	72.0-123	
1,4-Dichlorobenzene	0.0250	0.0266	106	77.0-120	
Dichlorodifluoromethane	0.0250	0.0199	79.7	49.0-155	
1,1-Dichloroethane	0.0250	0.0245	98.2	70.0-128	
1,2-Dichloroethane	0.0250	0.0281	112	69.0-128	
1,1-Dichloroethene	0.0250	0.0243	97.4	63.0-131	
cis-1,2-Dichloroethene	0.0250	0.0261	104	74.0-123	
trans-1,2-Dichloroethene	0.0250	0.0250	99.8	72.0-122	
1,2-Dichloropropane	0.0250	0.0249	99.6	75.0-126	
1,1-Dichloropropene	0.0250	0.0242	96.9	72.0-130	
1,3-Dichloropropane	0.0250	0.0273	109	80.0-121	
cis-1,3-Dichloropropene	0.0250	0.0261	104	80.0-125	
trans-1,3-Dichloropropene	0.0250	0.0254	102	75.0-129	
2,2-Dichloropropane	0.0250	0.0243	97.1	60.0-129	
2-Hexanone	0.125	0.0922	73.8	61.0-143	

Laboratory Control Sample (LCS)

(LCS) R3296950-2 03/27/18 12:01

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Di-isopropyl ether	0.0250	0.0283	113	62.0-133	
n-Hexane	0.0250	0.0207	82.8	57.0-125	
Ethylbenzene	0.0250	0.0228	91.1	77.0-120	
Iodomethane	0.125	0.147	118	67.0-132	
Hexachloro-1,3-butadiene	0.0250	0.0233	93.2	68.0-128	
Isopropylbenzene	0.0250	0.0220	87.9	75.0-120	
p-Isopropyltoluene	0.0250	0.0252	101	74.0-125	
2-Butanone (MEK)	0.125	0.116	93.0	37.0-159	
Methylene Chloride	0.0250	0.0248	99.2	67.0-123	
4-Methyl-2-pentanone (MIBK)	0.125	0.111	88.6	60.0-144	
Methyl tert-butyl ether	0.0250	0.0260	104	66.0-125	
Naphthalene	0.0250	0.0230	92.2	64.0-125	
n-Propylbenzene	0.0250	0.0244	97.6	78.0-120	
Styrene	0.0250	0.0232	92.8	78.0-124	
1,1,1,2-Tetrachloroethane	0.0250	0.0249	99.5	74.0-124	
1,1,2,2-Tetrachloroethane	0.0250	0.0236	94.3	73.0-120	
Tetrachloroethene	0.0250	0.0193	77.4	70.0-127	
Toluene	0.0250	0.0221	88.3	77.0-120	
1,1,2-Trichlorotrifluoroethane	0.0250	0.0277	111	64.0-135	
1,2,3-Trichlorobenzene	0.0250	0.0303	121	68.0-126	
1,2,4-Trichlorobenzene	0.0250	0.0299	120	70.0-127	
1,1,1-Trichloroethane	0.0250	0.0239	95.6	69.0-125	
1,1,2-Trichloroethane	0.0250	0.0239	95.7	78.0-120	
Trichloroethene	0.0250	0.0243	97.1	79.0-120	
Trichlorofluoromethane	0.0250	0.0111	44.4	59.0-136	J4
1,2,3-Trichloropropane	0.0250	0.0227	90.9	73.0-124	
1,2,3-Trimethylbenzene	0.0250	0.0262	105	76.0-120	
Vinyl acetate	0.125	0.213	170	58.0-156	J4
1,2,4-Trimethylbenzene	0.0250	0.0246	98.2	75.0-120	
1,3,5-Trimethylbenzene	0.0250	0.0245	98.1	75.0-120	
Vinyl chloride	0.0250	0.0202	80.9	63.0-134	
Xylenes, Total	0.0750	0.0674	89.9	77.0-120	
(S) Toluene-d8			*108*	*80.0-120*	
(S) Dibromofluoromethane			*103*	*74.0-131*	
(S) 4-Bromofluorobenzene			*102*	*64.0-132*	

Method Blank (MB)

(MB) R3297182-2 03/28/18 11:55

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acetone	U		0.0100	0.0500
Acrylonitrile	U		0.00179	0.0100
Benzene	U		0.000270	0.00100
Bromobenzene	U		0.000284	0.00100
Bromodichloromethane	U		0.000254	0.00100
Bromochloromethane	U		0.000390	0.00500
Bromoform	U		0.000424	0.00100
Bromomethane	U		0.00134	0.00500
n-Butylbenzene	U		0.000258	0.00100
sec-Butylbenzene	U		0.000201	0.00100
tert-Butylbenzene	U		0.000206	0.00100
Carbon disulfide	U		0.000221	0.00100
Carbon tetrachloride	U		0.000328	0.00100
Chlorobenzene	U		0.000212	0.00100
Chlorodibromomethane	U		0.000373	0.00100
Chloroethane	U		0.000946	0.00500
Chloroform	U		0.000229	0.00500
Chloromethane	U		0.000375	0.00250
2-Chlorotoluene	U		0.000301	0.00100
4-Chlorotoluene	U		0.000240	0.00100
1,2-Dibromo-3-Chloropropane	U		0.00105	0.00500
1,2-Dibromoethane	U		0.000343	0.00100
Dibromomethane	U		0.000382	0.00100
1,2-Dichlorobenzene	U		0.000305	0.00100
1,3-Dichlorobenzene	U		0.000239	0.00100
1,4-Dichlorobenzene	U		0.000226	0.00100
trans-1,4-Dichloro-2-butene	U		0.000778	0.00250
Dichlorodifluoromethane	U		0.000713	0.00500
1,1-Dichloroethane	U		0.000199	0.00100
1,2-Dichloroethane	U		0.000265	0.00100
1,1-Dichloroethene	U		0.000303	0.00100
cis-1,2-Dichloroethene	U		0.000235	0.00100
trans-1,2-Dichloroethene	U		0.000264	0.00100
1,2-Dichloropropane	U		0.000358	0.00100
1,1-Dichloropropene	U		0.000317	0.00100
1,3-Dichloropropane	U		0.000207	0.00100
cis-1,3-Dichloropropene	U		0.000262	0.00100
trans-1,3-Dichloropropene	U		0.000267	0.00100
2,2-Dichloropropane	U		0.000279	0.00100
Di-isopropyl ether	U		0.000248	0.00100

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Method Blank (MB)

(MB) R3297182-2 03/28/18 11:55

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Ethylbenzene	U		0.000297	0.00100
2-Hexanone	U		0.00137	0.0100
n-Hexane	U		0.000290	0.0100
Hexachloro-1,3-butadiene	U		0.000342	0.00100
Iodomethane	U		0.00253	0.0100
Isopropylbenzene	U		0.000243	0.00100
p-Isopropyltoluene	U		0.000204	0.00100
2-Butanone (MEK)	U		0.00468	0.0100
Methylene Chloride	0.00292	J	0.00100	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.00188	0.0100
Methyl tert-butyl ether	U		0.000212	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.000206	0.00100
Styrene	U		0.000234	0.00100
1,1,1,2-Tetrachloroethane	U		0.000264	0.00100
1,1,2,2-Tetrachloroethane	U		0.000365	0.00100
Tetrachloroethene	U		0.000276	0.00100
Toluene	U		0.000434	0.00500
1,1,2-Trichlorotrifluoroethane	U		0.000365	0.00100
1,2,3-Trichlorobenzene	U		0.000306	0.00100
1,2,4-Trichlorobenzene	U		0.000388	0.00100
1,1,1-Trichloroethane	U		0.000286	0.00100
1,1,2-Trichloroethane	U		0.000277	0.00100
Trichloroethene	U		0.000279	0.00100
Trichlorofluoromethane	U		0.000382	0.00500
Vinyl acetate	U		0.00239	0.0100
1,2,3-Trichloropropane	U		0.000741	0.00250
1,2,3-Trimethylbenzene	U		0.000287	0.00100
1,2,4-Trimethylbenzene	U		0.000211	0.00100
1,3,5-Trimethylbenzene	U		0.000266	0.00100
Vinyl chloride	U		0.000291	0.00100
Xylenes, Total	U		0.000698	0.00300
(S) Toluene-d8	*103*			*80.0-120*
(S) Dibromofluoromethane	*118*			*74.0-131*
(S) 4-Bromofluorobenzene	*107*			*64.0-132*

Laboratory Control Sample (LCS)

(LCS) R3297182-1 03/28/18 10:36

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	0.125	0.169	135	11.0-160	
Bromochloromethane	0.0250	0.0304	122	80.0-121	J4
Acrylonitrile	0.125	0.137	109	61.0-143	
Benzene	0.0250	0.0256	102	71.0-124	
Bromobenzene	0.0250	0.0261	104	78.0-120	
Bromodichloromethane	0.0250	0.0243	97.4	75.0-120	
Bromoform	0.0250	0.0269	107	65.0-133	
Carbon disulfide	0.0250	0.0257	103	53.0-130	
Bromomethane	0.0250	0.0314	126	26.0-160	
n-Butylbenzene	0.0250	0.0266	106	73.0-126	
sec-Butylbenzene	0.0250	0.0244	97.5	75.0-121	
tert-Butylbenzene	0.0250	0.0250	99.8	74.0-122	
Carbon tetrachloride	0.0250	0.0230	91.9	66.0-123	
Chlorobenzene	0.0250	0.0278	111	79.0-121	
Chlorodibromomethane	0.0250	0.0275	110	74.0-128	
Chloroethane	0.0250	0.0278	111	51.0-147	
Chloroform	0.0250	0.0267	107	73.0-123	
Chloromethane	0.0250	0.0260	104	51.0-138	
2-Chlorotoluene	0.0250	0.0278	111	72.0-124	
4-Chlorotoluene	0.0250	0.0265	106	78.0-120	
1,2-Dibromo-3-Chloropropane	0.0250	0.0231	92.3	65.0-126	
trans-1,4-Dichloro-2-butene	0.0250	0.0246	98.4	68.0-126	
1,2-Dibromoethane	0.0250	0.0266	107	78.0-122	
Dibromomethane	0.0250	0.0294	118	79.0-120	
1,2-Dichlorobenzene	0.0250	0.0296	119	80.0-120	
1,3-Dichlorobenzene	0.0250	0.0288	115	72.0-123	
1,4-Dichlorobenzene	0.0250	0.0284	114	77.0-120	
Dichlorodifluoromethane	0.0250	0.0209	83.5	49.0-155	
1,1-Dichloroethane	0.0250	0.0263	105	70.0-128	
1,2-Dichloroethane	0.0250	0.0308	123	69.0-128	
1,1-Dichloroethene	0.0250	0.0254	101	63.0-131	
cis-1,2-Dichloroethene	0.0250	0.0282	113	74.0-123	
trans-1,2-Dichloroethene	0.0250	0.0259	103	72.0-122	
1,2-Dichloropropane	0.0250	0.0263	105	75.0-126	
1,1-Dichloropropene	0.0250	0.0259	104	72.0-130	
1,3-Dichloropropane	0.0250	0.0296	119	80.0-121	
cis-1,3-Dichloropropene	0.0250	0.0276	110	80.0-125	
trans-1,3-Dichloropropene	0.0250	0.0276	110	75.0-129	
2,2-Dichloropropane	0.0250	0.0241	96.5	60.0-129	
2-Hexanone	0.125	0.121	96.4	61.0-143	

Laboratory Control Sample (LCS)

(LCS) R3297182-1 03/28/18 10:36

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Di-isopropyl ether	0.0250	0.0308	123	62.0-133	
n-Hexane	0.0250	0.0209	83.6	57.0-125	
Ethylbenzene	0.0250	0.0239	95.7	77.0-120	
Iodomethane	0.125	0.152	122	67.0-132	
Hexachloro-1,3-butadiene	0.0250	0.0248	99.4	68.0-128	
Isopropylbenzene	0.0250	0.0231	92.4	75.0-120	
p-Isopropyltoluene	0.0250	0.0263	105	74.0-125	
2-Butanone (MEK)	0.125	0.148	118	37.0-159	
Methylene Chloride	0.0250	0.0259	103	67.0-123	
4-Methyl-2-pentanone (MIBK)	0.125	0.132	105	60.0-144	
Methyl tert-butyl ether	0.0250	0.0286	114	66.0-125	
Naphthalene	0.0250	0.0279	112	64.0-125	
n-Propylbenzene	0.0250	0.0254	102	78.0-120	
Styrene	0.0250	0.0248	99.0	78.0-124	
1,1,1,2-Tetrachloroethane	0.0250	0.0269	108	74.0-124	
1,1,2,2-Tetrachloroethane	0.0250	0.0258	103	73.0-120	
Tetrachloroethene	0.0250	0.0208	83.4	70.0-127	
Toluene	0.0250	0.0234	93.7	77.0-120	
1,1,2-Trichlorotrifluoroethane	0.0250	0.0282	113	64.0-135	
1,2,3-Trichlorobenzene	0.0250	0.0340	136	68.0-126	J4
1,2,4-Trichlorobenzene	0.0250	0.0341	136	70.0-127	J4
1,1,1-Trichloroethane	0.0250	0.0250	100	69.0-125	
1,1,2-Trichloroethane	0.0250	0.0258	103	78.0-120	
Trichloroethene	0.0250	0.0261	105	79.0-120	
Trichlorofluoromethane	0.0250	0.0264	106	59.0-136	
1,2,3-Trichloropropane	0.0250	0.0254	101	73.0-124	
1,2,3-Trimethylbenzene	0.0250	0.0279	112	76.0-120	
Vinyl acetate	0.125	0.235	188	58.0-156	J4
1,2,4-Trimethylbenzene	0.0250	0.0254	102	75.0-120	
1,3,5-Trimethylbenzene	0.0250	0.0258	103	75.0-120	
Vinyl chloride	0.0250	0.0221	88.2	63.0-134	
Xylenes, Total	0.0750	0.0711	94.8	77.0-120	
(S) Toluene-d8			*108*	*80.0-120*	
(S) Dibromofluoromethane			*105*	*74.0-131*	
(S) 4-Bromofluorobenzene			*101*	*64.0-132*	

Method Blank (MB)

(MB) R3297188-3 03/28/18 12:24

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acetone	U		0.0100	0.0500
Acrylonitrile	U		0.00179	0.0100
Benzene	U		0.000270	0.00100
Bromobenzene	U		0.000284	0.00100
Bromodichloromethane	U		0.000254	0.00100
Bromochloromethane	U		0.000390	0.00500
Bromoform	U		0.000424	0.00100
Bromomethane	U		0.00134	0.00500
n-Butylbenzene	U		0.000258	0.00100
sec-Butylbenzene	U		0.000201	0.00100
tert-Butylbenzene	U		0.000206	0.00100
Carbon disulfide	0.000387	J	0.000221	0.00100
Carbon tetrachloride	U		0.000328	0.00100
Chlorobenzene	U		0.000212	0.00100
Chlorodibromomethane	U		0.000373	0.00100
Chloroethane	U		0.000946	0.00500
Chloroform	U		0.000229	0.00500
Chloromethane	U		0.000375	0.00250
2-Chlorotoluene	U		0.000301	0.00100
4-Chlorotoluene	U		0.000240	0.00100
1,2-Dibromo-3-Chloropropane	U		0.00105	0.00500
1,2-Dibromoethane	U		0.000343	0.00100
Dibromomethane	U		0.000382	0.00100
1,2-Dichlorobenzene	U		0.000305	0.00100
1,3-Dichlorobenzene	U		0.000239	0.00100
1,4-Dichlorobenzene	U		0.000226	0.00100
trans-1,4-Dichloro-2-butene	U		0.000778	0.00250
Dichlorodifluoromethane	U		0.000713	0.00500
1,1-Dichloroethane	U		0.000199	0.00100
1,2-Dichloroethane	U		0.000265	0.00100
1,1-Dichloroethene	U		0.000303	0.00100
cis-1,2-Dichloroethene	U		0.000235	0.00100
trans-1,2-Dichloroethene	U		0.000264	0.00100
1,2-Dichloropropane	U		0.000358	0.00100
1,1-Dichloropropene	U		0.000317	0.00100
1,3-Dichloropropane	U		0.000207	0.00100
cis-1,3-Dichloropropene	U		0.000262	0.00100
trans-1,3-Dichloropropene	U		0.000267	0.00100
2,2-Dichloropropane	U		0.000279	0.00100
Di-isopropyl ether	U		0.000248	0.00100

Method Blank (MB)

(MB) R3297188-3 03/28/18 12:24

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Ethylbenzene	U		0.000297	0.00100
Hexachloro-1,3-butadiene	U		0.000342	0.00100
2-Hexanone	U		0.00137	0.0100
n-Hexane	U		0.000290	0.0100
Iodomethane	U		0.00253	0.0100
Isopropylbenzene	U		0.000243	0.00100
p-Isopropyltoluene	U		0.000204	0.00100
2-Butanone (MEK)	U		0.00468	0.0100
Methylene Chloride	U		0.00100	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.00188	0.0100
Methyl tert-butyl ether	U		0.000212	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.000206	0.00100
Styrene	U		0.000234	0.00100
1,1,1,2-Tetrachloroethane	U		0.000264	0.00100
1,1,2,2-Tetrachloroethane	U		0.000365	0.00100
Tetrachloroethene	U		0.000276	0.00100
Toluene	U		0.000434	0.00500
1,1,2-Trichlorotrifluoroethane	U		0.000365	0.00100
1,2,3-Trichlorobenzene	U		0.000306	0.00100
1,2,4-Trichlorobenzene	U		0.000388	0.00100
1,1,1-Trichloroethane	U		0.000286	0.00100
1,1,2-Trichloroethane	U		0.000277	0.00100
Trichloroethene	U		0.000279	0.00100
Trichlorofluoromethane	U		0.000382	0.00500
1,2,3-Trichloropropane	U		0.000741	0.00250
1,2,3-Trimethylbenzene	U		0.000287	0.00100
1,2,4-Trimethylbenzene	U		0.000211	0.00100
1,3,5-Trimethylbenzene	U		0.000266	0.00100
Vinyl acetate	U		0.00239	0.0100
Vinyl chloride	U		0.000291	0.00100
Xylenes, Total	U		0.000698	0.00300
(S) Toluene-d8	*111*			*80.0-120*
(S) Dibromofluoromethane	*98.2*			*74.0-131*
(S) 4-Bromofluorobenzene	*93.3*			*64.0-132*

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3297188-1 03/28/18 09:09 • (LCSD) R3297188-2 03/28/18 09:29

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.125	0.0581	0.0581	46.5	46.5	11.0-160			0.0449	23
Acrylonitrile	0.125	0.105	0.108	84.3	86.3	61.0-143			2.28	20
Benzene	0.0250	0.0231	0.0230	92.5	91.9	71.0-124			0.617	20
Bromobenzene	0.0250	0.0218	0.0215	87.2	85.8	78.0-120			1.59	20
Bromodichloromethane	0.0250	0.0208	0.0202	83.3	80.8	75.0-120			3.02	20
Bromochloromethane	0.0250	0.0261	0.0254	105	102	80.0-121			2.79	20
Bromoform	0.0250	0.0191	0.0186	76.4	74.3	65.0-133			2.78	20
Bromomethane	0.0250	0.0260	0.0255	104	102	26.0-160			2.05	20
n-Butylbenzene	0.0250	0.0239	0.0234	95.6	93.7	73.0-126			2.04	20
sec-Butylbenzene	0.0250	0.0249	0.0243	99.6	97.3	75.0-121			2.33	20
tert-Butylbenzene	0.0250	0.0246	0.0238	98.4	95.3	74.0-122			3.16	20
Carbon disulfide	0.0250	0.0195	0.0193	78.1	77.3	53.0-130			1.04	20
Carbon tetrachloride	0.0250	0.0231	0.0228	92.2	91.0	66.0-123			1.29	20
Chlorobenzene	0.0250	0.0273	0.0274	109	110	79.0-121			0.331	20
Chlorodibromomethane	0.0250	0.0233	0.0228	93.3	91.1	74.0-128			2.31	20
Chloroethane	0.0250	0.0243	0.0250	97.4	100	51.0-147			2.81	20
Chloroform	0.0250	0.0227	0.0224	90.9	89.6	73.0-123			1.49	20
Chloromethane	0.0250	0.0183	0.0181	73.4	72.4	51.0-138			1.38	20
2-Chlorotoluene	0.0250	0.0232	0.0229	92.8	91.7	72.0-124			1.18	20
4-Chlorotoluene	0.0250	0.0236	0.0231	94.5	92.4	78.0-120			2.20	20
1,2-Dibromo-3-Chloropropane	0.0250	0.0227	0.0216	90.8	86.5	65.0-126			4.93	20
1,2-Dibromoethane	0.0250	0.0267	0.0257	107	103	78.0-122			3.71	20
Dibromomethane	0.0250	0.0226	0.0226	90.5	90.4	79.0-120			0.182	20
1,2-Dichlorobenzene	0.0250	0.0256	0.0250	102	100	80.0-120			2.12	20
1,3-Dichlorobenzene	0.0250	0.0261	0.0256	104	102	72.0-123			1.93	20
1,4-Dichlorobenzene	0.0250	0.0251	0.0248	100	99.1	77.0-120			1.26	20
trans-1,4-Dichloro-2-butene	0.0250	0.0190	0.0187	76.0	74.9	68.0-126			1.42	20
Dichlorodifluoromethane	0.0250	0.0203	0.0199	81.1	79.8	49.0-155			1.64	20
1,1-Dichloroethane	0.0250	0.0234	0.0233	93.7	93.0	70.0-128			0.742	20
1,2-Dichloroethane	0.0250	0.0233	0.0231	93.2	92.3	69.0-128			0.928	20
1,1-Dichloroethene	0.0250	0.0221	0.0221	88.4	88.6	63.0-131			0.157	20
cis-1,2-Dichloroethene	0.0250	0.0231	0.0234	92.5	93.7	74.0-123			1.29	20
trans-1,2-Dichloroethene	0.0250	0.0224	0.0224	89.5	89.6	72.0-122			0.0955	20
1,2-Dichloropropane	0.0250	0.0232	0.0228	92.8	91.1	75.0-126			1.88	20
1,1-Dichloropropene	0.0250	0.0247	0.0248	99.0	99.1	72.0-130			0.120	20
1,3-Dichloropropane	0.0250	0.0259	0.0253	104	101	80.0-121			2.58	20
cis-1,3-Dichloropropene	0.0250	0.0255	0.0246	102	98.5	80.0-125			3.59	20
trans-1,3-Dichloropropene	0.0250	0.0248	0.0246	99.3	98.5	75.0-129			0.763	20
2,2-Dichloropropane	0.0250	0.0220	0.0212	88.0	84.9	60.0-129			3.52	20
Di-isopropyl ether	0.0250	0.0189	0.0186	75.6	74.3	62.0-133			1.68	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3297188-1 03/28/18 09:09 • (LCSD) R3297188-2 03/28/18 09:29

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Ethylbenzene	0.0250	0.0252	0.0245	101	97.9	77.0-120			3.06	20
Hexachloro-1,3-butadiene	0.0250	0.0253	0.0258	101	103	68.0-128			1.68	20
2-Hexanone	0.125	0.114	0.110	91.5	87.6	61.0-143			4.38	20
n-Hexane	0.0250	0.0186	0.0184	74.3	73.6	57.0-125			0.925	20
Iodomethane	0.125	0.129	0.127	103	101	67.0-132			1.69	20
Isopropylbenzene	0.0250	0.0221	0.0218	88.4	87.3	75.0-120			1.22	20
p-Isopropyltoluene	0.0250	0.0253	0.0245	101	97.9	74.0-125			3.45	20
2-Butanone (MEK)	0.125	0.0749	0.0724	59.9	57.9	37.0-159			3.42	20
Methylene Chloride	0.0250	0.0221	0.0220	88.3	88.1	67.0-123			0.192	20
4-Methyl-2-pentanone (MIBK)	0.125	0.105	0.101	83.8	80.4	60.0-144			4.19	20
Methyl tert-butyl ether	0.0250	0.0226	0.0225	90.2	90.1	66.0-125			0.140	20
Naphthalene	0.0250	0.0246	0.0249	98.6	99.6	64.0-125			1.01	20
n-Propylbenzene	0.0250	0.0233	0.0230	93.4	91.8	78.0-120			1.65	20
Styrene	0.0250	0.0230	0.0225	91.9	90.2	78.0-124			1.84	20
1,1,1,2-Tetrachloroethane	0.0250	0.0240	0.0244	96.0	97.5	74.0-124			1.57	20
1,1,2,2-Tetrachloroethane	0.0250	0.0221	0.0209	88.4	83.5	73.0-120			5.69	20
Tetrachloroethene	0.0250	0.0271	0.0271	109	108	70.0-127			0.0432	20
Toluene	0.0250	0.0246	0.0242	98.4	96.8	77.0-120			1.64	20
1,1,2-Trichlorotrifluoroethane	0.0250	0.0230	0.0234	92.0	93.5	64.0-135			1.66	20
1,2,3-Trichlorobenzene	0.0250	0.0272	0.0288	109	115	68.0-126			5.71	20
1,2,4-Trichlorobenzene	0.0250	0.0279	0.0281	112	113	70.0-127			0.841	20
1,1,1-Trichloroethane	0.0250	0.0214	0.0213	85.7	85.1	69.0-125			0.695	20
1,1,2-Trichloroethane	0.0250	0.0252	0.0245	101	98.0	78.0-120			3.01	20
Trichloroethene	0.0250	0.0265	0.0270	106	108	79.0-120			2.14	20
Trichlorofluoromethane	0.0250	0.0271	0.0266	108	106	59.0-136			1.88	20
1,2,3-Trichloropropane	0.0250	0.0224	0.0217	89.5	86.8	73.0-124			3.05	20
1,2,3-Trimethylbenzene	0.0250	0.0257	0.0253	103	101	76.0-120			1.71	20
1,2,4-Trimethylbenzene	0.0250	0.0233	0.0230	93.3	91.9	75.0-120			1.54	20
1,3,5-Trimethylbenzene	0.0250	0.0235	0.0232	94.2	92.8	75.0-120			1.47	20
Vinyl acetate	0.125	0.100	0.0955	80.4	76.4	58.0-156			5.02	20
Vinyl chloride	0.0250	0.0231	0.0232	92.4	92.9	63.0-134			0.486	20
Xylenes, Total	0.0750	0.0753	0.0757	100	101	77.0-120			0.530	20
(S) Toluene-d8				*107*	*107*	*80.0-120*				
(S) Dibromofluoromethane				*98.2*	*98.4*	*74.0-131*				
(S) 4-Bromofluorobenzene				*90.5*	*90.7*	*64.0-132*				

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Abbreviations and Definitions

(dry)	Results are reported based on the dry weight of the sample. [this will only be present on a dry report basis for soils].
MDL	Method Detection Limit.
MDL (dry)	Method Detection Limit.
RDL	Reported Detection Limit.
RDL (dry)	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
B	The same analyte is found in the associated blank.
J	The identification of the analyte is acceptable; the reported value is an estimate.
J0	J0: Calibration verification outside of acceptance limits. Result is estimated.
J4	The associated batch QC was outside the established quality control range for accuracy.

ACCREDITATIONS & LOCATIONS

ESC Lab Sciences is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our one location design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be YOUR LAB OF CHOICE.

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by ESC Lab Sciences.

State Accreditations

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN-03-2002-34
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	n/a
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO00356
Kentucky [1,6]	90010	South Carolina	84004
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1,4]	2006
Louisiana [1]	LA180010	Texas	T 104704245-17-14
Maine	TN0002	Texas [5]	LAB0152
Maryland	324	Utah	TN00003
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	460132
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	9980939910
Montana	CERT0086	Wyoming	A2LA

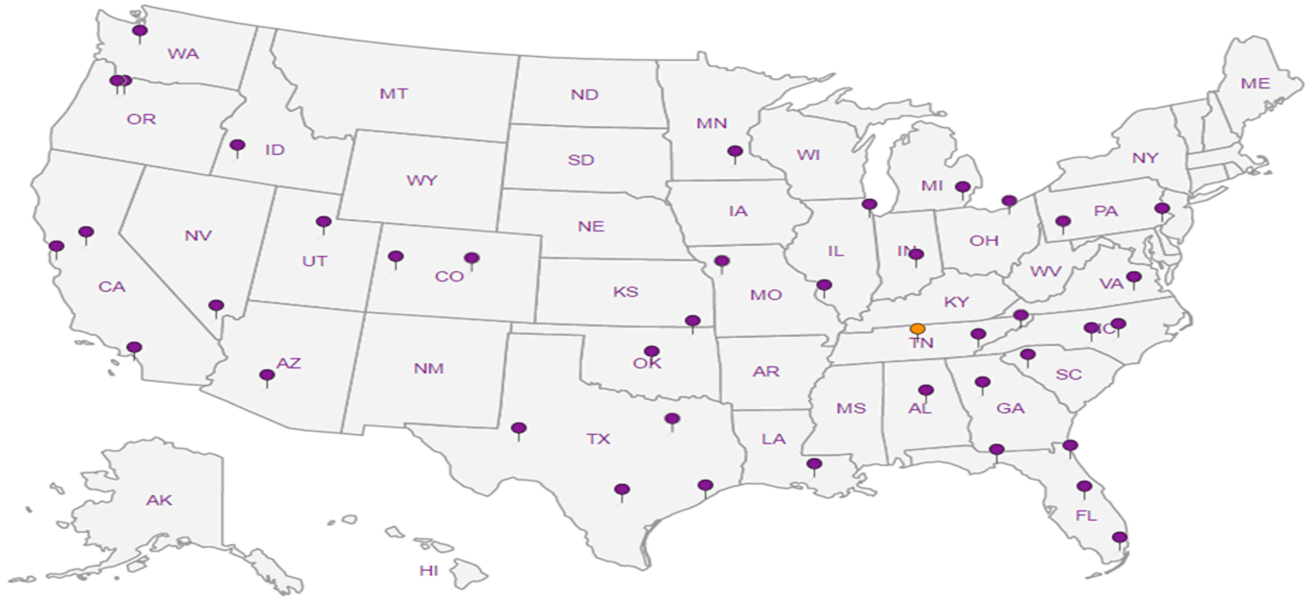
Third Party Federal Accreditations

A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

Our Locations

ESC Lab Sciences has sixty-four client support centers that provide sample pickup and/or the delivery of sampling supplies. If you would like assistance from one of our support offices, please contact our main office. ESC Lab Sciences performs all testing at our central laboratory.



PES Environmental, Inc.- WA

1215 Fourth Ave., Suite 1350
Seattle, WA 98161

Billing Information:
Attn: Accounts Payable
1215 Fourth Ave., Ste. 1350
Seattle, WA 98161

Pres Chk

Chain of Custody Page ~~2~~ 1 of 3

ESC
LAB SCIENCES
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L# 979234

A157

Acctnum: **PESENVSWA**
Template: **T133574**
Prelogin: **P643475**
TSR: **110 - Brian Ford**
PB: JB 3-7-18
Shipped Via: **FedEX Ground**

Report to:
Bill Haldeman / Brian O Neal

Email To: **bhaldeman@pesenv.com**
boneal@pesenv.com

Project Description: **American Linen Supply Project**

City/State Collected: Seattle WA

Phone: **206-529-3980**
Fax: **206-529-3985**

Client Project #
1413.001.05.304

Lab Project #
PESENVSWA-ALP

Collected by (print): Rachal McLaughlin

Site/Facility ID #

P.O. #

Collected by (signature): R McLaughlin

Immediately Packed on Ice N ~~X~~ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260C VOCs 40ml/NaHSO4/Syr/MeOH	dry wt,voc screen 2ozClr-NoPres	Remarks	Sample # (lab only)
IW-19B-5	Grab	SS	5	3-19-18	955	5	X	X		-01
IW-19B-10	Grab	SS	10		1005	5	X	X		-02
IW-19B-15		SS	15		1015	5	X	X		-03
IW-19B-20		SS	20		1030	5	X	X		-04
IW-19B-25		SS	25		1040	5	X	X		-05
IW-19B-30		SS	30		1050	5	X	X		-06
IW-19B-35		SS	35		1055	5	X	X		-07
IW-19B-40		SS	40		1100	5	X	X		-08
IW-19B-45		SS	45		1110	5	X	X		-09
IW-19B-50	X	SS	50	X	1125	5	X	X		-10

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other________

Remarks:

pH ______ Temp ______
Flow ______ Other ______

Samples returned via:
__ UPS __ FedEx __ Courier __ ______

Tracking # 4196 3259 2400

Sample Receipt Checklist
COC Seal Present/Intact: __NP ~~__Y~~ __N
COC Signed/Accurate: ✓Y __N
Bottles arrive intact: ✓Y __N
Correct bottles used: ✓Y __N
Sufficient volume sent: ✓Y __N
If Applicable
VOA Zero Headspace: __Y __N
Preservation Correct/Checked: __Y __N

Relinquished by : (Signature) R McLaughlin
Date: 3-20-18
Time: 1145
Received by: (Signature)

Trip Blank Received: [✓ Yes] / No
[✓ HCL] / MeoH
TBR

Relinquished by : (Signature)
Date:
Time:
Received by: (Signature)

Temp: 5.4 °C ICM 50
Bottles Received: 85

If preservation required by Login: Date/Time

Relinquished by : (Signature)
Date:
Time:
Received for lab by: (Signature)

Date: 3/21/18
Time: 845

Hold:

Condition: NCF / [✓ OK]

Chain of Custody Page 2 of 3

ESC

L·A·B S·C·I·E·N·C·E·S
a subsidiary of Pace Analytical

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

PES Environmental, Inc.- WA

1215 Fourth Ave., Suite 1350
Seattle, WA 98161

Billing Information:
Attn: Accounts Payable
1215 Fourth Ave., Ste. 1350
Seattle, WA 98161

Pres Chk

Report to: **Bill Haldeman** / Brian ONeal

Email To: **bhaldeman@pesenv.com** boneal@pesenv.com

Project Description: **American Linen Supply Project**

City/State Collected: Seattle WA

Phone: **206-529-3980**
Fax: **206-529-3985**

Client Project # **1413.001.05.304**

Lab Project # **PESENVSWA-ALP**

Collected by (print): Rachel McLaughlin

Site/Facility ID #

P.O. #

Collected by (signature): R.T. McLaughlin

Immediately Packed on Ice N X Y ___

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

L# 979234

Table #

Acctnum: **PESENVSWA**
Template: **T133574**
Prelogin: **P643475**
TSR: **110 - Brian Ford**
PB: TB 3-7-18
Shipped Via: **FedEX Ground**

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260C VOCs 40ml/NaHS04/Syr/MeOH	dry wt,voc screen 2ozClr-NoPres	Remarks	Sample # (lab only)
IW-19B-55	Grab	SS	55	3-19-18	1130	5	X	X		-11
IW-19B-60		SS	60		1140	5	X	X		-12
IW-19B-63		SS	63		1155	5	X	X		-13
IW-8B-5		SS	5		1535	5	X	X		-14
IW-8B-10		SS	10		1550	5	X	X		-15
IW-8B-15		SS	15		1605	5	X	X		-16
IW-8B-20		SS	20		1610	5	X	X		-17
IW-8B-25		SS	25		1620	5	X	X		-18
IW-903-60		SS	60		1345	5	X	X		-19
~~IW-55~~ RM		SS				5	X	X		

* Matrix:
SS - Soil **AIR** - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other________

Remarks:

pH ______ Temp ______
Flow ______ Other ______

Samples returned via:
__ UPS __ FedEx __ Courier __ ______

Tracking # 4196 3255 2410

Sample Receipt Checklist
COC Seal Present/Intact: ~~__NP~~ [✓ Y] __N
COC Signed/Accurate: [✓ Y] __N
Bottles arrive intact: [✓ Y] __N
Correct bottles used: [✓ Y] __N
Sufficient volume sent: [✓ Y] __N
If Applicable
VOA Zero Headspace: __Y __N
Preservation Correct/Checked: __Y __N

Relinquished by : (Signature) R.T. McLaughlin	Date: 3-20-18	Time: 1745	Received by: (Signature)	Trip Blank Received: [✓ Yes] / No [✓ HCL] / MeoH TBR
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 5.4 KM 50 °C Bottles Received: 85
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 3/21/18 Time: 845

If preservation required by Login: Date/Time

Hold:

Condition: NCF / [✓ OK]

PES Environmental, Inc.- WA

1215 Fourth Ave., Suite 1350
Seattle, WA 98161

Billing Information:

Attn: Accounts Payable
1215 Fourth Ave., Ste. 1350
Seattle, WA 98161

Pres Chk

Analysis / Container / Preservative

Chain of Custody Page 3 of 3

ESC
L A B S C I E N C E S

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

Report to: Bill Haldeman / Brian ONeal

Email To: bhaldeman@pesenv.com
boneal@pesenv.com

Project Description: American Linen Supply Project

City/State Collected: Seattle WA

L# 979234

Phone: 206-529-3980
Fax: 206-529-3985

Client Project #
1413.001.05.304

Lab Project #
PESENVSWA-ALP

Table #

Collected by (print): Rachel McLaughlin

Site/Facility ID #

P.O. #

Acctnum: PESENVSWA
Template: T133573
Prelogin: P643474
TSR: 110 - Brian Ford
PB:
Shipped Via:

Collected by (signature): R.T. McLaughlin

Immediately Packed on Ice N ___ Y X

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260C VOCs 40ml/NaHSO4/Syr/MeOH	dry wt,voc screen 2ozClr-NoPres	Remarks	Sample # (lab only)
TRIP BLANK	Grab	SS	—	12-06-17	—	5	X	X		-20
IW-8B-30		SS	30	3-19-18	1635	5	X	X		-21
IW-8B-40		SS	40	3-19-18	1700	5	X	X		-22
IW-8B-45		SS	45	3-20-18	0830	5	X	X		-23
IW-8B-50		SS	50		0840	5	X	X		-24
IW-8B-55		SS	55		0850	5	X	X		-25
IW-8B-60		SS	60		0900	5	X	X		-26
IW-8B-64		SS	64		0915	5	X	X		-27
		SS				5	X	X		
		SS				5	X	X		

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other________

Remarks:

pH ______ Temp ______
Flow ______ Other ______

Samples returned via:
__ UPS __ FedEx __ Courier ______

Tracking # 4196 3259 2401

Sample Receipt Checklist
COC Seal Present/Intact: __NP ✓Y __N
COC Signed/Accurate: ✓Y __N
Bottles arrive intact: ✓Y __N
Correct bottles used: ✓Y __N
Sufficient volume sent: ✓Y __N
If Applicable
VOA Zero Headspace: __Y __N
Preservation Correct/Checked: __Y __N

Relinquished by : (Signature) R.T. McLaughlin	Date: 3-20-18	Time: 1145	Received by: (Signature)
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature) 861

Trip Blank Received: [✓ Yes] / No
[✓ HCL] / MeoH
TBR
1

Temp: 5.4 KM 30 °C Bottles Received: 85

Date: 3/21/18 Time: 845

If preservation required by Login: Date/Time

Hold:

Condition: NCF / [✓ OK]

MEMORANDUM

TO: Project File **DATE:** April 19, 2018

FROM: Jessie Compeau

SUBJECT: Laboratory Data Validation Review

PROJECT: Former American Linen Supply Site, Seattle WA

PROJECT #: 1413.001.05.304

TASK: March 19-20, 2018 – Soil Samples

LAB: ESC Lab ID L979234

Twenty six (26) soil samples including a field duplicate and a trip blank were collected as part of a sampling event at the Former American Linen Supply Site, in Seattle, Washington, on March 19-20, 2018. The samples were shipped and delivered to ESC Lab Sciences (ESC) of Mount Juliet, TN for laboratory analysis. Selected samples were analyzed for the following:

- Volatile organic compounds (VOCs) by United States Environmental Protection Agency (USEPA) Method 8260C; and
- Total Solids by Standard Methods 2540 G-2011.

The results are reported in ESC Sample Delivery Group (SDG) L979234. The sampling event occurred between March 2 and March 27 of 2018. Associated sample data are reported in ten ESC SDGs (SDGs L975879, L977245, L977743, L979219, L979234, L980300, L980719, L980722, L980954, and L980958). The quality assurance review of the sample data associated with SDG L979234 is summarized below.

DATA QUALIFICATIONS

Guidelines established by USEPA for a limited data validation review of analytical data along with ESC control limit criteria were used to validate the data. The comments presented in this memorandum refer to the laboratory's performance in meeting the quality control criteria outlined in the USEPA Contract Laboratory Program National Functional Guidelines for Organic Superfund Methods Data Review (USEPA, 2017).

DATA VALIDATION

Completeness

All samples were collected and analyzed as requested.

Sample Collection and Preservation

Samples were collected in laboratory-supplied sample containers preserved as appropriate for the individual analyses conducted. The samples were packed on ice and shipped by courier to ESC.

The laboratory reported that the cooler and samples were received at 5.4 degrees Centigrade (°C) and below the recommended temperature preservation of 6°C. The laboratory indicated that the samples were received in good condition. No data were qualified based upon the sample collection and preservation information.

Holding Times

USEPA Method 8260C:
All samples were analyzed for VOCs within the USEPA recommended holding time of fourteen days for soils and waters from the date of sample collection. All holding time criteria were met.

General Chemistry (Total Solids):
Samples were analyzed within the USEPA recommended holding time of seven days for total solids with the following exceptions:

- All samples collected on March 19, 2018 were analyzed one day one day past the recommended hold time. No action is taken since % solid results are not expected to be significantly changed thus final reported results are not significantly impacted.

Initial and Continuing Calibration

Calibration data for this project are not required for this deliverable however ESC's notes indicate the following:

- *USEPA Method 8260C:* Continuing calibration verification (CCV) issues were noted by ESC for 1,2-dibromo-3-chloropropane, and 2-hexanone associated with soil analytical batch WG1089430 (analyzed on March 27, 2018). These results are qualified by the laboratory "J0" to indicate that percent difference CCVs are outside of laboratory acceptance criteria. **Associated sample results with laboratory qualified (J0) results are estimated and qualified (J/UJ).**

- *USEPA Method 8260C:* Continuing calibration verification (CCV) issues were noted by ESC for acetone, bromoform, carbon disulfide, chloromethane, dichlorodifluoromethane, trans-1,4-dichloro-2-butene, di-isopropyl ether, and 2-butanone (MEK) associated with soil analytical batch WG1089430 (analyzed on March 28, 2018). Soil sample IW-19B-15 results are qualified by the laboratory "J0" to indicate that percent difference CCVs are outside of laboratory acceptance criteria. **Associated sample with laboratory qualified (J0) results are estimated and qualified (J/UJ).**

- *USEPA Method 8260C:* Continuing calibration verification (CCV) issues were noted by ESC for acetone associated with most soils within analytical batch WG1089852 (analyzed on March 28, 2018). These results are qualified by the laboratory "J0" to indicate that percent difference CCVs are outside of laboratory acceptance criteria. **Associated sample with laboratory qualified (J0) results are estimated and qualified (J/UJ).**

- *USEPA Method 8260C:* Continuing calibration verification (CCV) issues were noted by ESC for acetone, bromoform, carbon disulfide, chloromethane, dichlorodifluoromethane, trans-1,4-dichloro-2-butene, di-isopropyl ether, n-hexane, and 2-butanone (MEK) associated with soils analytical batch WG1090297 (analyzed on March 28, 2018). These results are qualified by the laboratory "J0" to indicate that percent difference CCVs are outside of laboratory acceptance criteria. **Associated sample with laboratory qualified (J0) results are estimated and qualified (J/UJ).**

- *USEPA Method 8260C:* Continuing calibration verification (CCV) issues were noted by ESC for acetone associated with the trip blank on analytical batch WG1088093 (analyzed on March 22, 2018). These results are qualified by the laboratory "J0" to indicate that percent difference CCVs are outside of laboratory acceptance criteria. **Associated sample with laboratory qualified (J0) results are estimated and qualified (J/UJ).**

Method Blank Results

USEPA Method 8260C:
Laboratory method blanks were included with the analytical batch per method requirement. The target analytes (VOCs) were not detected in the method blanks at or above the reported detection limits (RDLs) with the following exception:

- Soil (analytical batch WG1089852): Methylene chloride was detected in the method blank at a low level below the RDL. No action was necessary as it was not detected in the associated samples.

- Soil (analytical batch WG1090297): **Carbon disulfide was detected at a low level in the method blank and below the RDL in associated samples IW-8B-30, IW-8B-40, IW-8B-45, IW-8B-50, IW-8B-55, IW-8B-60, and IW-8B-64. Per National Functional Guidance results are reported at the RDL and qualified as non-detect (U).**

Total Solids by SM 2540 G 2011:
Laboratory method blanks were included with the analytical batches per method requirement. The target analytes (% solids) were not detected at a significant level in the method blanks and sample results are not impacted.

Trip Blank Results

USEPA Method 8260C:
A trip blank was collected and analyzed. The target analytes (VOCs) were not detected in the trip blank at or above the RDLs with the following exceptions:

- Acetone, cis-1,2-dichloroethene, and toluene were detected at low levels in the trip blank. **Acetone, cis-1,2-dichloroethene, and toluene detections above the MDL and below the RDL in the associated samples are qualified as non-detects (U).**

Field, Rinsate, or Equipment Blank Results

Field, rinsate, or equipment blanks were not collected.

Field Duplicate Analyses

Field duplicate (samples IW-19B-60 and IW-903-60) results are comparable and less than 30% RPD (for results >5X the RDL) with the following exception:

- Field duplicate RPD is greater than 30% for tetrachloroethene. **Tetrachloroethene field duplicate results are estimated and qualified (J) due to poor field precision.**

Laboratory Duplicate Analyses

USEPA Method 8260C:
A laboratory duplicate sample was not analyzed. Refer to laboratory control sample/sample duplicate (LCS/LCSD) or field duplicate results for precision data.

Total Solids by SM 2540 G 2011:
Laboratory duplicate sample analyses were performed on client sample IW-19B-55, on a client sample from a related SDG, and on a non-client sample within the analytical batch. The primary/duplicate RPDs for total solids analyses are within the laboratory control limit of 5%.

Surrogate Recoveries

USEPA Method 8260C:
The surrogate recovery results for the samples, laboratory control samples, and the method blanks are within the laboratory surrogate control limits for all of the analyses.

Laboratory Control Samples

USEPA Method 8260C:
LCS or LCS/LCSDs were analyzed by USEPA Method 8260C method. The LCS/LCSD %Rs and RPDs for the all target compounds are within the laboratory control criteria for soils and waters with the following exceptions:

- Soil LCS (analytical batch WG1089430): Recovery for spike compound trichlorofluoromethane is low and slightly below laboratory control limits criteria. **Associated sample results (IW-19B-5 IW-19B-10 IW-19B-15 IW-8B-20 IW-8B-25, and IW-903-60) for trichlorofluoromethane are estimated and qualified (J/UJ) due to low recovery.** Recovery for spike compound vinyl acetate is high and slightly above control limit criteria. No action was taken on this basis since vinyl acetate was not detected in the associated samples.

- Soil LCS (analytical batch WG1089852): Recoveries for spiking compounds bromochloromethane, 1,2,3-trichlorobenzene, 1,2,4-trichlorobenzene, and vinyl acetate are slightly above laboratory acceptance criteria and qualified by the laboratory (J4). No action was necessary since these compounds were not detected in the associated samples.

Total Solids by SM 2540 G 2011:
The LCS %Rs for total solids are within the laboratory control criteria for soils.

Matrix Spike/Matrix Spike Duplicates

USEPA Method 8260C:
Matrix spike/matrix spike duplicate (MS/MSD) analyses were not performed. Refer to LCS/LCSD and field duplicate results for precision and accuracy data associated with soils and waters.

Other Quality Control Issues

No laboratory quality control issues were identified in the laboratory report.

Compound Identification and Quantitation Limits

The RDLs used for this sample group are acceptable for the project. Several samples were diluted due to elevated concentrations of various target analytes. ESC sample narrative notes indicate that sample IW-8B-15 target compounds were too high to run the sample at a lower dilution. No action was taken other than to note this.

Detections between the MDL and RDL are estimated (J) by the laboratory and qualified (J) by the data validator to re-emphasize that the detection is estimated.

Data Assessment

The laboratory data reported for this project were reviewed based on laboratory control limit acceptance criteria and criteria outlined in:

- USEPA Contract Laboratory Program National Functional Guidelines for Organic Superfund Methods Data Review (USEPA, 2017).

Data qualifiers were assigned and laboratory report pages with qualifiers are attached. All data, including qualified data, are judged to be acceptable for their intended use.

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	95.6		1	03/27/2018 14:38	WG1089690

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.0388 U	J	0.0113	0.0565	1.08	03/27/2018 13:17	WG1089430
Acrylonitrile	U		0.00202	0.0113	1.08	03/27/2018 13:17	WG1089430
Benzene	0.000797 J	J	0.000305	0.00113	1.08	03/27/2018 13:17	WG1089430
Bromobenzene	U		0.000321	0.00113	1.08	03/27/2018 13:17	WG1089430
Bromodichloromethane	U		0.000287	0.00113	1.08	03/27/2018 13:17	WG1089430
Bromochloromethane	U		0.000440	0.00565	1.08	03/27/2018 13:17	WG1089430
Bromoform	U		0.000479	0.00113	1.08	03/27/2018 13:17	WG1089430
Bromomethane	U		0.00152	0.00565	1.08	03/27/2018 13:17	WG1089430
n-Butylbenzene	U		0.000292	0.00113	1.08	03/27/2018 13:17	WG1089430
sec-Butylbenzene	U		0.000227	0.00113	1.08	03/27/2018 13:17	WG1089430
tert-Butylbenzene	U		0.000232	0.00113	1.08	03/27/2018 13:17	WG1089430
Carbon disulfide	0.00144		0.000250	0.00113	1.08	03/27/2018 13:17	WG1089430
Carbon tetrachloride	U		0.000370	0.00113	1.08	03/27/2018 13:17	WG1089430
Chlorobenzene	U		0.000240	0.00113	1.08	03/27/2018 13:17	WG1089430
Chlorodibromomethane	U		0.000421	0.00113	1.08	03/27/2018 13:17	WG1089430
Chloroethane	U		0.00107	0.00565	1.08	03/27/2018 13:17	WG1089430
Chloroform	U		0.000258	0.00565	1.08	03/27/2018 13:17	WG1089430
Chloromethane	U		0.000424	0.00282	1.08	03/27/2018 13:17	WG1089430
2-Chlorotoluene	U		0.000340	0.00113	1.08	03/27/2018 13:17	WG1089430
4-Chlorotoluene	U		0.000271	0.00113	1.08	03/27/2018 13:17	WG1089430
1,2-Dibromo-3-Chloropropane	U UJ	J0	0.00118	0.00565	1.08	03/27/2018 13:17	WG1089430
1,2-Dibromoethane	U		0.000387	0.00113	1.08	03/27/2018 13:17	WG1089430
Dibromomethane	U		0.000431	0.00113	1.08	03/27/2018 13:17	WG1089430
1,2-Dichlorobenzene	U		0.000344	0.00113	1.08	03/27/2018 13:17	WG1089430
1,3-Dichlorobenzene	U		0.000270	0.00113	1.08	03/27/2018 13:17	WG1089430
1,4-Dichlorobenzene	U		0.000255	0.00113	1.08	03/27/2018 13:17	WG1089430
Dichlorodifluoromethane	U		0.000805	0.00565	1.08	03/27/2018 13:17	WG1089430
1,1-Dichloroethane	U		0.000225	0.00113	1.08	03/27/2018 13:17	WG1089430
1,2-Dichloroethane	U		0.000299	0.00113	1.08	03/27/2018 13:17	WG1089430
1,1-Dichloroethene	U		0.000342	0.00113	1.08	03/27/2018 13:17	WG1089430
cis-1,2-Dichloroethene	0.000961 U	J	0.000266	0.00113	1.08	03/27/2018 13:17	WG1089430
trans-1,2-Dichloroethene	U		0.000298	0.00113	1.08	03/27/2018 13:17	WG1089430
1,2-Dichloropropane	U		0.000405	0.00113	1.08	03/27/2018 13:17	WG1089430
1,1-Dichloropropene	U		0.000358	0.00113	1.08	03/27/2018 13:17	WG1089430
1,3-Dichloropropane	U		0.000234	0.00113	1.08	03/27/2018 13:17	WG1089430
cis-1,3-Dichloropropene	U		0.000296	0.00113	1.08	03/27/2018 13:17	WG1089430
trans-1,3-Dichloropropene	U		0.000301	0.00113	1.08	03/27/2018 13:17	WG1089430
trans-1,4-Dichloro-2-butene	U		0.000879	0.00282	1.08	03/27/2018 13:17	WG1089430
2,2-Dichloropropane	U		0.000315	0.00113	1.08	03/27/2018 13:17	WG1089430
Di-isopropyl ether	U		0.000280	0.00113	1.08	03/27/2018 13:17	WG1089430
Ethylbenzene	U		0.000336	0.00113	1.08	03/27/2018 13:17	WG1089430
Hexachloro-1,3-butadiene	U		0.000386	0.00113	1.08	03/27/2018 13:17	WG1089430
2-Hexanone	U UJ	J0	0.00155	0.0113	1.08	03/27/2018 13:17	WG1089430
n-Hexane	U		0.000327	0.0113	1.08	03/27/2018 13:17	WG1089430
Iodomethane	U		0.00286	0.0113	1.08	03/27/2018 13:17	WG1089430
Isopropylbenzene	U		0.000274	0.00113	1.08	03/27/2018 13:17	WG1089430
p-Isopropyltoluene	U		0.000230	0.00113	1.08	03/27/2018 13:17	WG1089430
2-Butanone (MEK)	U		0.00528	0.0113	1.08	03/27/2018 13:17	WG1089430
Methylene Chloride	U		0.00113	0.00565	1.08	03/27/2018 13:17	WG1089430
4-Methyl-2-pentanone (MIBK)	U		0.00212	0.0113	1.08	03/27/2018 13:17	WG1089430

JC 4/16/18

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000240	0.00113	1.08	03/27/2018 13:17	WG1089430
Naphthalene	U		0.00113	0.00565	1.08	03/27/2018 13:17	WG1089430
n-Propylbenzene	U		0.000232	0.00113	1.08	03/27/2018 13:17	WG1089430
Styrene	U		0.000265	0.00113	1.08	03/27/2018 13:17	WG1089430
1,1,1,2-Tetrachloroethane	U		0.000298	0.00113	1.08	03/27/2018 13:17	WG1089430
1,1,2,2-Tetrachloroethane	U		0.000412	0.00113	1.08	03/27/2018 13:17	WG1089430
1,1,2-Trichlorotrifluoroethane	U		0.000412	0.00113	1.08	03/27/2018 13:17	WG1089430
Tetrachloroethene	0.00478		0.000312	0.00113	1.08	03/27/2018 13:17	WG1089430
Toluene	U		0.000491	0.00565	1.08	03/27/2018 13:17	WG1089430
1,2,3-Trichlorobenzene	U		0.000345	0.00113	1.08	03/27/2018 13:17	WG1089430
1,2,4-Trichlorobenzene	U		0.000438	0.00113	1.08	03/27/2018 13:17	WG1089430
1,1,1-Trichloroethane	U		0.000323	0.00113	1.08	03/27/2018 13:17	WG1089430
1,1,2-Trichloroethane	U		0.000313	0.00113	1.08	03/27/2018 13:17	WG1089430
Trichloroethene	0.000961 J	J	0.000315	0.00113	1.08	03/27/2018 13:17	WG1089430
Trichlorofluoromethane	U UJ	J4	0.000431	0.00565	1.08	03/27/2018 13:17	WG1089430
1,2,3-Trichloropropane	U		0.000837	0.00282	1.08	03/27/2018 13:17	WG1089430
1,2,4-Trimethylbenzene	U		0.000238	0.00113	1.08	03/27/2018 13:17	WG1089430
1,2,3-Trimethylbenzene	U		0.000324	0.00113	1.08	03/27/2018 13:17	WG1089430
1,3,5-Trimethylbenzene	U		0.000300	0.00113	1.08	03/27/2018 13:17	WG1089430
Vinyl acetate	U	J4	0.00270	0.0113	1.08	03/27/2018 13:17	WG1089430
Vinyl chloride	U		0.000328	0.00113	1.08	03/27/2018 13:17	WG1089430
Xylenes, Total	U		0.000789	0.00339	1.08	03/27/2018 13:17	WG1089430
(S) Toluene-d8	*101*			*80.0-120*		*03/27/2018 13:17*	WG1089430
(S) Dibromofluoromethane	*117*			*74.0-131*		*03/27/2018 13:17*	WG1089430
(S) 4-Bromofluorobenzene	*112*			*64.0-132*		*03/27/2018 13:17*	WG1089430

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

JC 4/16/18

IW-19B-10

Collected date/time: 03/19/18 10:05

SAMPLE RESULTS - 02

L979234

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	81.3		1	03/27/2018 14:38	WG1089690

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.115		0.0123	0.0615	1	03/27/2018 13:37	WG1089430
Acrylonitrile	U		0.00220	0.0123	1	03/27/2018 13:37	WG1089430
Benzene	0.000465 J	J	0.000332	0.00123	1	03/27/2018 13:37	WG1089430
Bromobenzene	U		0.000349	0.00123	1	03/27/2018 13:37	WG1089430
Bromodichloromethane	U		0.000313	0.00123	1	03/27/2018 13:37	WG1089430
Bromochloromethane	U		0.000480	0.00615	1	03/27/2018 13:37	WG1089430
Bromoform	U		0.000522	0.00123	1	03/27/2018 13:37	WG1089430
Bromomethane	U		0.00165	0.00615	1	03/27/2018 13:37	WG1089430
n-Butylbenzene	U		0.000317	0.00123	1	03/27/2018 13:37	WG1089430
sec-Butylbenzene	U		0.000247	0.00123	1	03/27/2018 13:37	WG1089430
tert-Butylbenzene	U		0.000253	0.00123	1	03/27/2018 13:37	WG1089430
Carbon disulfide	0.00196		0.000272	0.00123	1	03/27/2018 13:37	WG1089430
Carbon tetrachloride	U		0.000404	0.00123	1	03/27/2018 13:37	WG1089430
Chlorobenzene	U		0.000261	0.00123	1	03/27/2018 13:37	WG1089430
Chlorodibromomethane	U		0.000459	0.00123	1	03/27/2018 13:37	WG1089430
Chloroethane	U		0.00116	0.00615	1	03/27/2018 13:37	WG1089430
Chloroform	U		0.000282	0.00615	1	03/27/2018 13:37	WG1089430
Chloromethane	U		0.000461	0.00308	1	03/27/2018 13:37	WG1089430
2-Chlorotoluene	U		0.000370	0.00123	1	03/27/2018 13:37	WG1089430
4-Chlorotoluene	U		0.000295	0.00123	1	03/27/2018 13:37	WG1089430
1,2-Dibromo-3-Chloropropane	U UJ	J0	0.00129	0.00615	1	03/27/2018 13:37	WG1089430
1,2-Dibromoethane	U		0.000422	0.00123	1	03/27/2018 13:37	WG1089430
Dibromomethane	U		0.000470	0.00123	1	03/27/2018 13:37	WG1089430
1,2-Dichlorobenzene	U		0.000375	0.00123	1	03/27/2018 13:37	WG1089430
1,3-Dichlorobenzene	U		0.000294	0.00123	1	03/27/2018 13:37	WG1089430
1,4-Dichlorobenzene	U		0.000278	0.00123	1	03/27/2018 13:37	WG1089430
Dichlorodifluoromethane	U		0.000877	0.00615	1	03/27/2018 13:37	WG1089430
1,1-Dichloroethane	U		0.000245	0.00123	1	03/27/2018 13:37	WG1089430
1,2-Dichloroethane	U		0.000326	0.00123	1	03/27/2018 13:37	WG1089430
1,1-Dichloroethene	U		0.000373	0.00123	1	03/27/2018 13:37	WG1089430
cis-1,2-Dichloroethene	0.000718 U	J	0.000289	0.00123	1	03/27/2018 13:37	WG1089430
trans-1,2-Dichloroethene	U		0.000325	0.00123	1	03/27/2018 13:37	WG1089430
1,2-Dichloropropane	U		0.000441	0.00123	1	03/27/2018 13:37	WG1089430
1,1-Dichloropropene	U		0.000390	0.00123	1	03/27/2018 13:37	WG1089430
1,3-Dichloropropane	U		0.000255	0.00123	1	03/27/2018 13:37	WG1089430
cis-1,3-Dichloropropene	U		0.000322	0.00123	1	03/27/2018 13:37	WG1089430
trans-1,3-Dichloropropene	U		0.000329	0.00123	1	03/27/2018 13:37	WG1089430
trans-1,4-Dichloro-2-butene	U		0.000957	0.00308	1	03/27/2018 13:37	WG1089430
2,2-Dichloropropane	U		0.000343	0.00123	1	03/27/2018 13:37	WG1089430
Di-isopropyl ether	U		0.000305	0.00123	1	03/27/2018 13:37	WG1089430
Ethylbenzene	U		0.000365	0.00123	1	03/27/2018 13:37	WG1089430
Hexachloro-1,3-butadiene	U		0.000421	0.00123	1	03/27/2018 13:37	WG1089430
2-Hexanone	U UJ	J0	0.00169	0.0123	1	03/27/2018 13:37	WG1089430
n-Hexane	U		0.000357	0.0123	1	03/27/2018 13:37	WG1089430
Iodomethane	U		0.00311	0.0123	1	03/27/2018 13:37	WG1089430
Isopropylbenzene	U		0.000299	0.00123	1	03/27/2018 13:37	WG1089430
p-Isopropyltoluene	U		0.000251	0.00123	1	03/27/2018 13:37	WG1089430
2-Butanone (MEK)	0.0220		0.00576	0.0123	1	03/27/2018 13:37	WG1089430
Methylene Chloride	U		0.00123	0.00615	1	03/27/2018 13:37	WG1089430
4-Methyl-2-pentanone (MIBK)	U		0.00231	0.0123	1	03/27/2018 13:37	WG1089430

JC 4/16/18

IW-19B-10

Collected date/time: 03/19/18 10:05

SAMPLE RESULTS - 02

L979234

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000261	0.00123	1	03/27/2018 13:37	WG1089430
Naphthalene	U		0.00123	0.00615	1	03/27/2018 13:37	WG1089430
n-Propylbenzene	U		0.000253	0.00123	1	03/27/2018 13:37	WG1089430
Styrene	U		0.000288	0.00123	1	03/27/2018 13:37	WG1089430
1,1,1,2-Tetrachloroethane	U		0.000325	0.00123	1	03/27/2018 13:37	WG1089430
1,1,2,2-Tetrachloroethane	U		0.000449	0.00123	1	03/27/2018 13:37	WG1089430
1,1,2-Trichlorotrifluoroethane	U		0.000449	0.00123	1	03/27/2018 13:37	WG1089430
Tetrachloroethene	U		0.000340	0.00123	1	03/27/2018 13:37	WG1089430
Toluene	0.000980 U	J	0.000534	0.00615	1	03/27/2018 13:37	WG1089430
1,2,3-Trichlorobenzene	U		0.000377	0.00123	1	03/27/2018 13:37	WG1089430
1,2,4-Trichlorobenzene	U		0.000477	0.00123	1	03/27/2018 13:37	WG1089430
1,1,1-Trichloroethane	U		0.000352	0.00123	1	03/27/2018 13:37	WG1089430
1,1,2-Trichloroethane	U		0.000341	0.00123	1	03/27/2018 13:37	WG1089430
Trichloroethene	U		0.000343	0.00123	1	03/27/2018 13:37	WG1089430
Trichlorofluoromethane	U UJ	J4	0.000470	0.00615	1	03/27/2018 13:37	WG1089430
1,2,3-Trichloropropane	U		0.000912	0.00308	1	03/27/2018 13:37	WG1089430
1,2,4-Trimethylbenzene	U		0.000260	0.00123	1	03/27/2018 13:37	WG1089430
1,2,3-Trimethylbenzene	U		0.000353	0.00123	1	03/27/2018 13:37	WG1089430
1,3,5-Trimethylbenzene	U		0.000327	0.00123	1	03/27/2018 13:37	WG1089430
Vinyl acetate	U	J4	0.00294	0.0123	1	03/27/2018 13:37	WG1089430
Vinyl chloride	U		0.000358	0.00123	1	03/27/2018 13:37	WG1089430
Xylenes, Total	U		0.000859	0.00369	1	03/27/2018 13:37	WG1089430
(S) Toluene-d8	*102*			*80.0-120*		*03/27/2018 13:37*	WG1089430
(S) Dibromofluoromethane	*116*			*74.0-131*		*03/27/2018 13:37*	WG1089430
(S) 4-Bromofluorobenzene	*112*			*64.0-132*		*03/27/2018 13:37*	WG1089430

JC 4/16/18

IW-19B-15

Collected date/time: 03/19/18 10:15

SAMPLE RESULTS - 03

L979234

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	87.3		1	03/27/2018 14:38	WG1089690

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.0119 U	J J0	0.0115	0.0573	1	03/28/2018 13:03	WG1089430
Acrylonitrile	U		0.00205	0.0115	1	03/28/2018 13:03	WG1089430
Benzene	U		0.000309	0.00115	1	03/28/2018 13:03	WG1089430
Bromobenzene	U		0.000325	0.00115	1	03/28/2018 13:03	WG1089430
Bromodichloromethane	U		0.000291	0.00115	1	03/28/2018 13:03	WG1089430
Bromochloromethane	U		0.000447	0.00573	1	03/28/2018 13:03	WG1089430
Bromoform	U UJ	J0	0.000486	0.00115	1	03/28/2018 13:03	WG1089430
Bromomethane	U		0.00154	0.00573	1	03/28/2018 13:03	WG1089430
n-Butylbenzene	U		0.000296	0.00115	1	03/28/2018 13:03	WG1089430
sec-Butylbenzene	U		0.000230	0.00115	1	03/28/2018 13:03	WG1089430
tert-Butylbenzene	U		0.000236	0.00115	1	03/28/2018 13:03	WG1089430
Carbon disulfide	0.00135 J	J0	0.000253	0.00115	1	03/28/2018 13:03	WG1089430
Carbon tetrachloride	U		0.000376	0.00115	1	03/28/2018 13:03	WG1089430
Chlorobenzene	U		0.000243	0.00115	1	03/28/2018 13:03	WG1089430
Chlorodibromomethane	U		0.000427	0.00115	1	03/28/2018 13:03	WG1089430
Chloroethane	U		0.00108	0.00573	1	03/28/2018 13:03	WG1089430
Chloroform	U		0.000262	0.00573	1	03/28/2018 13:03	WG1089430
Chloromethane	U UJ	J0	0.000430	0.00286	1	03/28/2018 13:03	WG1089430
2-Chlorotoluene	U		0.000345	0.00115	1	03/28/2018 13:03	WG1089430
4-Chlorotoluene	U		0.000275	0.00115	1	03/28/2018 13:03	WG1089430
1,2-Dibromo-3-Chloropropane	U		0.00120	0.00573	1	03/28/2018 13:03	WG1089430
1,2-Dibromoethane	U		0.000393	0.00115	1	03/28/2018 13:03	WG1089430
Dibromomethane	U		0.000438	0.00115	1	03/28/2018 13:03	WG1089430
1,2-Dichlorobenzene	U		0.000349	0.00115	1	03/28/2018 13:03	WG1089430
1,3-Dichlorobenzene	U		0.000274	0.00115	1	03/28/2018 13:03	WG1089430
1,4-Dichlorobenzene	U		0.000259	0.00115	1	03/28/2018 13:03	WG1089430
Dichlorodifluoromethane	U UJ	J0	0.000817	0.00573	1	03/28/2018 13:03	WG1089430
1,1-Dichloroethane	U		0.000228	0.00115	1	03/28/2018 13:03	WG1089430
1,2-Dichloroethane	U		0.000304	0.00115	1	03/28/2018 13:03	WG1089430
1,1-Dichloroethene	U		0.000347	0.00115	1	03/28/2018 13:03	WG1089430
cis-1,2-Dichloroethene	0.000383 U	J	0.000269	0.00115	1	03/28/2018 13:03	WG1089430
trans-1,2-Dichloroethene	U		0.000302	0.00115	1	03/28/2018 13:03	WG1089430
1,2-Dichloropropane	U		0.000410	0.00115	1	03/28/2018 13:03	WG1089430
1,1-Dichloropropene	U		0.000363	0.00115	1	03/28/2018 13:03	WG1089430
1,3-Dichloropropane	U		0.000237	0.00115	1	03/28/2018 13:03	WG1089430
cis-1,3-Dichloropropene	U		0.000300	0.00115	1	03/28/2018 13:03	WG1089430
trans-1,3-Dichloropropene	U		0.000306	0.00115	1	03/28/2018 13:03	WG1089430
trans-1,4-Dichloro-2-butene	U UJ	J0	0.000891	0.00286	1	03/28/2018 13:03	WG1089430
2,2-Dichloropropane	U		0.000320	0.00115	1	03/28/2018 13:03	WG1089430
Di-isopropyl ether	U UJ	J0	0.000284	0.00115	1	03/28/2018 13:03	WG1089430
Ethylbenzene	U		0.000340	0.00115	1	03/28/2018 13:03	WG1089430
Hexachloro-1,3-butadiene	U		0.000392	0.00115	1	03/28/2018 13:03	WG1089430
2-Hexanone	U		0.00157	0.0115	1	03/28/2018 13:03	WG1089430
n-Hexane	U		0.000332	0.0115	1	03/28/2018 13:03	WG1089430
Iodomethane	U		0.00290	0.0115	1	03/28/2018 13:03	WG1089430
Isopropylbenzene	U		0.000278	0.00115	1	03/28/2018 13:03	WG1089430
p-Isopropyltoluene	U		0.000234	0.00115	1	03/28/2018 13:03	WG1089430
2-Butanone (MEK)	U UJ	J0	0.00536	0.0115	1	03/28/2018 13:03	WG1089430
Methylene Chloride	U		0.00115	0.00573	1	03/28/2018 13:03	WG1089430
4-Methyl-2-pentanone (MIBK)	U		0.00215	0.0115	1	03/28/2018 13:03	WG1089430

JC 4/16/18

IW-19B-15

Collected date/time: 03/19/18 10:15

SAMPLE RESULTS - 03

L979234

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000243	0.00115	1	03/28/2018 13:03	WG1089430
Naphthalene	U		0.00115	0.00573	1	03/28/2018 13:03	WG1089430
n-Propylbenzene	U		0.000236	0.00115	1	03/28/2018 13:03	WG1089430
Styrene	U		0.000268	0.00115	1	03/28/2018 13:03	WG1089430
1,1,1,2-Tetrachloroethane	U		0.000302	0.00115	1	03/28/2018 13:03	WG1089430
1,1,2,2-Tetrachloroethane	U		0.000418	0.00115	1	03/28/2018 13:03	WG1089430
1,1,2-Trichlorotrifluoroethane	U		0.000418	0.00115	1	03/28/2018 13:03	WG1089430
Tetrachloroethene	0.00104 J	J	0.000316	0.00115	1	03/28/2018 13:03	WG1089430
Toluene	U		0.000497	0.00573	1	03/28/2018 13:03	WG1089430
1,2,3-Trichlorobenzene	U		0.000351	0.00115	1	03/28/2018 13:03	WG1089430
1,2,4-Trichlorobenzene	U		0.000445	0.00115	1	03/28/2018 13:03	WG1089430
1,1,1-Trichloroethane	U		0.000328	0.00115	1	03/28/2018 13:03	WG1089430
1,1,2-Trichloroethane	U		0.000317	0.00115	1	03/28/2018 13:03	WG1089430
Trichloroethene	U		0.000320	0.00115	1	03/28/2018 13:03	WG1089430
Trichlorofluoromethane	U UJ	J4	0.000438	0.00573	1	03/28/2018 13:03	WG1089430
1,2,3-Trichloropropane	U		0.000849	0.00286	1	03/28/2018 13:03	WG1089430
1,2,4-Trimethylbenzene	U		0.000242	0.00115	1	03/28/2018 13:03	WG1089430
1,2,3-Trimethylbenzene	U		0.000329	0.00115	1	03/28/2018 13:03	WG1089430
1,3,5-Trimethylbenzene	U		0.000305	0.00115	1	03/28/2018 13:03	WG1089430
Vinyl acetate	U	J4	0.00274	0.0115	1	03/28/2018 13:03	WG1089430
Vinyl chloride	U		0.000333	0.00115	1	03/28/2018 13:03	WG1089430
Xylenes, Total	U		0.000800	0.00344	1	03/28/2018 13:03	WG1089430
(S) Toluene-d8	*104*			*80.0-120*		*03/28/2018 13:03*	WG1089430
(S) Dibromofluoromethane	*103*			*74.0-131*		*03/28/2018 13:03*	WG1089430
(S) 4-Bromofluorobenzene	*96.0*			*64.0-132*		*03/28/2018 13:03*	WG1089430

JC 4/16/18

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	89.5		1	03/27/2018 14:38	WG1089690

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.0126 U	J J0	0.0112	0.0558	1	03/28/2018 12:38	WG1089852
Acrylonitrile	U		0.00200	0.0112	1	03/28/2018 12:38	WG1089852
Benzene	U		0.000302	0.00112	1	03/28/2018 12:38	WG1089852
Bromobenzene	U		0.000317	0.00112	1	03/28/2018 12:38	WG1089852
Bromodichloromethane	U		0.000284	0.00112	1	03/28/2018 12:38	WG1089852
Bromochloromethane	U	J4	0.000436	0.00558	1	03/28/2018 12:38	WG1089852
Bromoform	U		0.000473	0.00112	1	03/28/2018 12:38	WG1089852
Bromomethane	U		0.00150	0.00558	1	03/28/2018 12:38	WG1089852
n-Butylbenzene	U		0.000288	0.00112	1	03/28/2018 12:38	WG1089852
sec-Butylbenzene	U		0.000224	0.00112	1	03/28/2018 12:38	WG1089852
tert-Butylbenzene	U		0.000230	0.00112	1	03/28/2018 12:38	WG1089852
Carbon disulfide	0.00254		0.000247	0.00112	1	03/28/2018 12:38	WG1089852
Carbon tetrachloride	U		0.000366	0.00112	1	03/28/2018 12:38	WG1089852
Chlorobenzene	U		0.000237	0.00112	1	03/28/2018 12:38	WG1089852
Chlorodibromomethane	U		0.000417	0.00112	1	03/28/2018 12:38	WG1089852
Chloroethane	U		0.00106	0.00558	1	03/28/2018 12:38	WG1089852
Chloroform	U		0.000256	0.00558	1	03/28/2018 12:38	WG1089852
Chloromethane	U		0.000419	0.00279	1	03/28/2018 12:38	WG1089852
2-Chlorotoluene	U		0.000336	0.00112	1	03/28/2018 12:38	WG1089852
4-Chlorotoluene	U		0.000268	0.00112	1	03/28/2018 12:38	WG1089852
1,2-Dibromo-3-Chloropropane	U		0.00117	0.00558	1	03/28/2018 12:38	WG1089852
1,2-Dibromoethane	U		0.000383	0.00112	1	03/28/2018 12:38	WG1089852
Dibromomethane	U		0.000427	0.00112	1	03/28/2018 12:38	WG1089852
1,2-Dichlorobenzene	U		0.000341	0.00112	1	03/28/2018 12:38	WG1089852
1,3-Dichlorobenzene	U		0.000267	0.00112	1	03/28/2018 12:38	WG1089852
1,4-Dichlorobenzene	U		0.000252	0.00112	1	03/28/2018 12:38	WG1089852
Dichlorodifluoromethane	U		0.000796	0.00558	1	03/28/2018 12:38	WG1089852
1,1-Dichloroethane	U		0.000222	0.00112	1	03/28/2018 12:38	WG1089852
1,2-Dichloroethane	U		0.000296	0.00112	1	03/28/2018 12:38	WG1089852
1,1-Dichloroethene	U		0.000338	0.00112	1	03/28/2018 12:38	WG1089852
cis-1,2-Dichloroethene	0.000349 U	J	0.000262	0.00112	1	03/28/2018 12:38	WG1089852
trans-1,2-Dichloroethene	U		0.000295	0.00112	1	03/28/2018 12:38	WG1089852
1,2-Dichloropropane	U		0.000400	0.00112	1	03/28/2018 12:38	WG1089852
1,1-Dichloropropene	U		0.000354	0.00112	1	03/28/2018 12:38	WG1089852
1,3-Dichloropropane	U		0.000231	0.00112	1	03/28/2018 12:38	WG1089852
cis-1,3-Dichloropropene	U		0.000293	0.00112	1	03/28/2018 12:38	WG1089852
trans-1,3-Dichloropropene	U		0.000298	0.00112	1	03/28/2018 12:38	WG1089852
trans-1,4-Dichloro-2-butene	U		0.000869	0.00279	1	03/28/2018 12:38	WG1089852
2,2-Dichloropropane	U		0.000312	0.00112	1	03/28/2018 12:38	WG1089852
Di-isopropyl ether	U		0.000277	0.00112	1	03/28/2018 12:38	WG1089852
Ethylbenzene	U		0.000332	0.00112	1	03/28/2018 12:38	WG1089852
Hexachloro-1,3-butadiene	U		0.000382	0.00112	1	03/28/2018 12:38	WG1089852
2-Hexanone	U		0.00153	0.0112	1	03/28/2018 12:38	WG1089852
n-Hexane	U		0.000324	0.0112	1	03/28/2018 12:38	WG1089852
Iodomethane	U		0.00283	0.0112	1	03/28/2018 12:38	WG1089852
Isopropylbenzene	U		0.000271	0.00112	1	03/28/2018 12:38	WG1089852
p-Isopropyltoluene	U		0.000228	0.00112	1	03/28/2018 12:38	WG1089852
2-Butanone (MEK)	U		0.00523	0.0112	1	03/28/2018 12:38	WG1089852
Methylene Chloride	U		0.00112	0.00558	1	03/28/2018 12:38	WG1089852
4-Methyl-2-pentanone (MIBK)	U		0.00210	0.0112	1	03/28/2018 12:38	WG1089852

JC 4/16/18

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000237	0.00112	1	03/28/2018 12:38	WG1089852
Naphthalene	U		0.00112	0.00558	1	03/28/2018 12:38	WG1089852
n-Propylbenzene	U		0.000230	0.00112	1	03/28/2018 12:38	WG1089852
Styrene	U		0.000261	0.00112	1	03/28/2018 12:38	WG1089852
1,1,1,2-Tetrachloroethane	U		0.000295	0.00112	1	03/28/2018 12:38	WG1089852
1,1,2,2-Tetrachloroethane	U		0.000408	0.00112	1	03/28/2018 12:38	WG1089852
1,1,2-Trichlorotrifluoroethane	U		0.000408	0.00112	1	03/28/2018 12:38	WG1089852
Tetrachloroethene	0.000942 J	J	0.000308	0.00112	1	03/28/2018 12:38	WG1089852
Toluene	U		0.000485	0.00558	1	03/28/2018 12:38	WG1089852
1,2,3-Trichlorobenzene	U	J4	0.000342	0.00112	1	03/28/2018 12:38	WG1089852
1,2,4-Trichlorobenzene	U	J4	0.000433	0.00112	1	03/28/2018 12:38	WG1089852
1,1,1-Trichloroethane	U		0.000319	0.00112	1	03/28/2018 12:38	WG1089852
1,1,2-Trichloroethane	U		0.000309	0.00112	1	03/28/2018 12:38	WG1089852
Trichloroethene	U		0.000312	0.00112	1	03/28/2018 12:38	WG1089852
Trichlorofluoromethane	U		0.000427	0.00558	1	03/28/2018 12:38	WG1089852
1,2,3-Trichloropropane	U		0.000827	0.00279	1	03/28/2018 12:38	WG1089852
1,2,4-Trimethylbenzene	U		0.000236	0.00112	1	03/28/2018 12:38	WG1089852
1,2,3-Trimethylbenzene	U		0.000320	0.00112	1	03/28/2018 12:38	WG1089852
1,3,5-Trimethylbenzene	U		0.000297	0.00112	1	03/28/2018 12:38	WG1089852
Vinyl acetate	U	J4	0.00267	0.0112	1	03/28/2018 12:38	WG1089852
Vinyl chloride	U		0.000325	0.00112	1	03/28/2018 12:38	WG1089852
Xylenes, Total	U		0.000779	0.00335	1	03/28/2018 12:38	WG1089852
(S) Toluene-d8	*101*			*80.0-120*		*03/28/2018 12:38*	WG1089852
(S) Dibromofluoromethane	*114*			*74.0-131*		*03/28/2018 12:38*	WG1089852
(S) 4-Bromofluorobenzene	*109*			*64.0-132*		*03/28/2018 12:38*	WG1089852

1 Cp	2 Tc	3 Ss	4 Cn	5 Sr	6 Qc	7 Gl	8 Al	9 Sc

JC 4/16/18

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	85.2		1	03/27/2018 14:38	WG1089690

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.0157 U	J J0	0.0117	0.0587	1	03/28/2018 12:59	WG1089852
Acrylonitrile	U		0.00210	0.0117	1	03/28/2018 12:59	WG1089852
Benzene	U		0.000317	0.00117	1	03/28/2018 12:59	WG1089852
Bromobenzene	U		0.000333	0.00117	1	03/28/2018 12:59	WG1089852
Bromodichloromethane	U		0.000298	0.00117	1	03/28/2018 12:59	WG1089852
Bromochloromethane	U	J4	0.000458	0.00587	1	03/28/2018 12:59	WG1089852
Bromoform	U		0.000498	0.00117	1	03/28/2018 12:59	WG1089852
Bromomethane	U		0.00157	0.00587	1	03/28/2018 12:59	WG1089852
n-Butylbenzene	U		0.000303	0.00117	1	03/28/2018 12:59	WG1089852
sec-Butylbenzene	U		0.000236	0.00117	1	03/28/2018 12:59	WG1089852
tert-Butylbenzene	U		0.000242	0.00117	1	03/28/2018 12:59	WG1089852
Carbon disulfide	0.00388		0.000259	0.00117	1	03/28/2018 12:59	WG1089852
Carbon tetrachloride	U		0.000385	0.00117	1	03/28/2018 12:59	WG1089852
Chlorobenzene	U		0.000249	0.00117	1	03/28/2018 12:59	WG1089852
Chlorodibromomethane	U		0.000438	0.00117	1	03/28/2018 12:59	WG1089852
Chloroethane	U		0.00111	0.00587	1	03/28/2018 12:59	WG1089852
Chloroform	0.00122 J	J	0.000269	0.00587	1	03/28/2018 12:59	WG1089852
Chloromethane	U		0.000440	0.00293	1	03/28/2018 12:59	WG1089852
2-Chlorotoluene	U		0.000353	0.00117	1	03/28/2018 12:59	WG1089852
4-Chlorotoluene	U		0.000282	0.00117	1	03/28/2018 12:59	WG1089852
1,2-Dibromo-3-Chloropropane	U		0.00123	0.00587	1	03/28/2018 12:59	WG1089852
1,2-Dibromoethane	U		0.000403	0.00117	1	03/28/2018 12:59	WG1089852
Dibromomethane	U		0.000448	0.00117	1	03/28/2018 12:59	WG1089852
1,2-Dichlorobenzene	U		0.000358	0.00117	1	03/28/2018 12:59	WG1089852
1,3-Dichlorobenzene	U		0.000281	0.00117	1	03/28/2018 12:59	WG1089852
1,4-Dichlorobenzene	U		0.000265	0.00117	1	03/28/2018 12:59	WG1089852
Dichlorodifluoromethane	U		0.000837	0.00587	1	03/28/2018 12:59	WG1089852
1,1-Dichloroethane	U		0.000234	0.00117	1	03/28/2018 12:59	WG1089852
1,2-Dichloroethane	U		0.000311	0.00117	1	03/28/2018 12:59	WG1089852
1,1-Dichloroethene	U		0.000356	0.00117	1	03/28/2018 12:59	WG1089852
cis-1,2-Dichloroethene	0.000621 U	J	0.000276	0.00117	1	03/28/2018 12:59	WG1089852
trans-1,2-Dichloroethene	U		0.000310	0.00117	1	03/28/2018 12:59	WG1089852
1,2-Dichloropropane	U		0.000420	0.00117	1	03/28/2018 12:59	WG1089852
1,1-Dichloropropene	U		0.000372	0.00117	1	03/28/2018 12:59	WG1089852
1,3-Dichloropropane	U		0.000243	0.00117	1	03/28/2018 12:59	WG1089852
cis-1,3-Dichloropropene	U		0.000308	0.00117	1	03/28/2018 12:59	WG1089852
trans-1,3-Dichloropropene	U		0.000313	0.00117	1	03/28/2018 12:59	WG1089852
trans-1,4-Dichloro-2-butene	U		0.000913	0.00293	1	03/28/2018 12:59	WG1089852
2,2-Dichloropropane	U		0.000327	0.00117	1	03/28/2018 12:59	WG1089852
Di-isopropyl ether	U		0.000291	0.00117	1	03/28/2018 12:59	WG1089852
Ethylbenzene	U		0.000349	0.00117	1	03/28/2018 12:59	WG1089852
Hexachloro-1,3-butadiene	U		0.000401	0.00117	1	03/28/2018 12:59	WG1089852
2-Hexanone	U		0.00161	0.0117	1	03/28/2018 12:59	WG1089852
n-Hexane	U		0.000340	0.0117	1	03/28/2018 12:59	WG1089852
Iodomethane	U		0.00297	0.0117	1	03/28/2018 12:59	WG1089852
Isopropylbenzene	U		0.000285	0.00117	1	03/28/2018 12:59	WG1089852 JC 4/16/18
p-Isopropyltoluene	U		0.000239	0.00117	1	03/28/2018 12:59	WG1089852
2-Butanone (MEK)	U		0.00549	0.0117	1	03/28/2018 12:59	WG1089852
Methylene Chloride	U		0.00117	0.00587	1	03/28/2018 12:59	WG1089852
4-Methyl-2-pentanone (MIBK)	U		0.00221	0.0117	1	03/28/2018 12:59	WG1089852

IW-19B-25

Collected date/time: 03/19/18 10:40

SAMPLE RESULTS - 05

L979234

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg		Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U			0.000249	0.00117	1	03/28/2018 12:59	WG1089852
Naphthalene	U			0.00117	0.00587	1	03/28/2018 12:59	WG1089852
n-Propylbenzene	U			0.000242	0.00117	1	03/28/2018 12:59	WG1089852
Styrene	U			0.000275	0.00117	1	03/28/2018 12:59	WG1089852
1,1,1,2-Tetrachloroethane	U			0.000310	0.00117	1	03/28/2018 12:59	WG1089852
1,1,2,2-Tetrachloroethane	U			0.000428	0.00117	1	03/28/2018 12:59	WG1089852
1,1,2-Trichlorotrifluoroethane	U			0.000428	0.00117	1	03/28/2018 12:59	WG1089852
Tetrachloroethene	0.00166			0.000324	0.00117	1	03/28/2018 12:59	WG1089852
Toluene	U			0.000509	0.00587	1	03/28/2018 12:59	WG1089852
1,2,3-Trichlorobenzene	U		J4	0.000359	0.00117	1	03/28/2018 12:59	WG1089852
1,2,4-Trichlorobenzene	U		J4	0.000455	0.00117	1	03/28/2018 12:59	WG1089852
1,1,1-Trichloroethane	U			0.000336	0.00117	1	03/28/2018 12:59	WG1089852
1,1,2-Trichloroethane	U			0.000325	0.00117	1	03/28/2018 12:59	WG1089852
Trichloroethene	0.000434	J	J	0.000327	0.00117	1	03/28/2018 12:59	WG1089852
Trichlorofluoromethane	U			0.000448	0.00587	1	03/28/2018 12:59	WG1089852
1,2,3-Trichloropropane	U			0.000870	0.00293	1	03/28/2018 12:59	WG1089852
1,2,4-Trimethylbenzene	U			0.000248	0.00117	1	03/28/2018 12:59	WG1089852
1,2,3-Trimethylbenzene	U			0.000337	0.00117	1	03/28/2018 12:59	WG1089852
1,3,5-Trimethylbenzene	U			0.000312	0.00117	1	03/28/2018 12:59	WG1089852
Vinyl acetate	U		J4	0.00281	0.0117	1	03/28/2018 12:59	WG1089852
Vinyl chloride	U			0.000342	0.00117	1	03/28/2018 12:59	WG1089852
Xylenes, Total	U			0.000819	0.00352	1	03/28/2018 12:59	WG1089852
(S) Toluene-d8	*99.3*				*80.0-120*		*03/28/2018 12:59*	WG1089852
(S) Dibromofluoromethane	*116*				*74.0-131*		*03/28/2018 12:59*	WG1089852
(S) 4-Bromofluorobenzene	*107*				*64.0-132*		*03/28/2018 12:59*	WG1089852

JC 4/16/18

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	89.0		1	03/27/2018 14:38	WG1089690

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch	
Acetone	0.0139 U	J J0	0.0112	0.0562	1	03/28/2018 13:19	WG1089852	
Acrylonitrile	U		0.00201	0.0112	1	03/28/2018 13:19	WG1089852	
Benzene	U		0.000303	0.00112	1	03/28/2018 13:19	WG1089852	
Bromobenzene	U		0.000319	0.00112	1	03/28/2018 13:19	WG1089852	
Bromodichloromethane	U		0.000285	0.00112	1	03/28/2018 13:19	WG1089852	
Bromochloromethane	U	J4	0.000438	0.00562	1	03/28/2018 13:19	WG1089852	
Bromoform	U		0.000476	0.00112	1	03/28/2018 13:19	WG1089852	
Bromomethane	U		0.00150	0.00562	1	03/28/2018 13:19	WG1089852	
n-Butylbenzene	U		0.000290	0.00112	1	03/28/2018 13:19	WG1089852	
sec-Butylbenzene	U		0.000226	0.00112	1	03/28/2018 13:19	WG1089852	
tert-Butylbenzene	U		0.000231	0.00112	1	03/28/2018 13:19	WG1089852	
Carbon disulfide	0.000756 J	J	0.000248	0.00112	1	03/28/2018 13:19	WG1089852	
Carbon tetrachloride	U		0.000368	0.00112	1	03/28/2018 13:19	WG1089852	
Chlorobenzene	U		0.000238	0.00112	1	03/28/2018 13:19	WG1089852	
Chlorodibromomethane	U		0.000419	0.00112	1	03/28/2018 13:19	WG1089852	
Chloroethane	U		0.00106	0.00562	1	03/28/2018 13:19	WG1089852	
Chloroform	U		0.000257	0.00562	1	03/28/2018 13:19	WG1089852	
Chloromethane	U		0.000421	0.00281	1	03/28/2018 13:19	WG1089852	
2-Chlorotoluene	U		0.000338	0.00112	1	03/28/2018 13:19	WG1089852	
4-Chlorotoluene	U		0.000270	0.00112	1	03/28/2018 13:19	WG1089852	
1,2-Dibromo-3-Chloropropane	U		0.00118	0.00562	1	03/28/2018 13:19	WG1089852	
1,2-Dibromoethane	U		0.000385	0.00112	1	03/28/2018 13:19	WG1089852	
Dibromomethane	U		0.000429	0.00112	1	03/28/2018 13:19	WG1089852	
1,2-Dichlorobenzene	U		0.000343	0.00112	1	03/28/2018 13:19	WG1089852	
1,3-Dichlorobenzene	U		0.000268	0.00112	1	03/28/2018 13:19	WG1089852	
1,4-Dichlorobenzene	U		0.000254	0.00112	1	03/28/2018 13:19	WG1089852	
Dichlorodifluoromethane	U		0.000801	0.00562	1	03/28/2018 13:19	WG1089852	
1,1-Dichloroethane	U		0.000224	0.00112	1	03/28/2018 13:19	WG1089852	
1,2-Dichloroethane	U		0.000298	0.00112	1	03/28/2018 13:19	WG1089852	
1,1-Dichloroethene	U		0.000340	0.00112	1	03/28/2018 13:19	WG1089852	
cis-1,2-Dichloroethene	0.000600 U	J	0.000264	0.00112	1	03/28/2018 13:19	WG1089852	
trans-1,2-Dichloroethene	U		0.000297	0.00112	1	03/28/2018 13:19	WG1089852	
1,2-Dichloropropane	U		0.000402	0.00112	1	03/28/2018 13:19	WG1089852	
1,1-Dichloropropene	U		0.000356	0.00112	1	03/28/2018 13:19	WG1089852	
1,3-Dichloropropane	U		0.000232	0.00112	1	03/28/2018 13:19	WG1089852	
cis-1,3-Dichloropropene	U		0.000294	0.00112	1	03/28/2018 13:19	WG1089852	
trans-1,3-Dichloropropene	U		0.000300	0.00112	1	03/28/2018 13:19	WG1089852	
trans-1,4-Dichloro-2-butene	U		0.000874	0.00281	1	03/28/2018 13:19	WG1089852	
2,2-Dichloropropane	U		0.000313	0.00112	1	03/28/2018 13:19	WG1089852	
Di-isopropyl ether	U		0.000279	0.00112	1	03/28/2018 13:19	WG1089852	
Ethylbenzene	U		0.000334	0.00112	1	03/28/2018 13:19	WG1089852	
Hexachloro-1,3-butadiene	U		0.000384	0.00112	1	03/28/2018 13:19	WG1089852	
2-Hexanone	U		0.00154	0.0112	1	03/28/2018 13:19	WG1089852	
n-Hexane	0.000793 J	J	0.000326	0.0112	1	03/28/2018 13:19	WG1089852	
Iodomethane	U		0.00284	0.0112	1	03/28/2018 13:19	WG1089852	
Isopropylbenzene	U		0.000273	0.00112	1	03/28/2018 13:19	WG1089852	
p-Isopropyltoluene	U		0.000229	0.00112	1	03/28/2018 13:19	WG1089852	JC 4/16/18
2-Butanone (MEK)	U		0.00526	0.0112	1	03/28/2018 13:19	WG1089852	
Methylene Chloride	U		0.00112	0.00562	1	03/28/2018 13:19	WG1089852	
4-Methyl-2-pentanone (MIBK)	U		0.00211	0.0112	1	03/28/2018 13:19	WG1089852	

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000238	0.00112	1	03/28/2018 13:19	WG1089852
Naphthalene	U		0.00112	0.00562	1	03/28/2018 13:19	WG1089852
n-Propylbenzene	U		0.000231	0.00112	1	03/28/2018 13:19	WG1089852
Styrene	U		0.000263	0.00112	1	03/28/2018 13:19	WG1089852
1,1,1,2-Tetrachloroethane	U		0.000297	0.00112	1	03/28/2018 13:19	WG1089852
1,1,2,2-Tetrachloroethane	U		0.000410	0.00112	1	03/28/2018 13:19	WG1089852
1,1,2-Trichlorotrifluoroethane	U		0.000410	0.00112	1	03/28/2018 13:19	WG1089852
Tetrachloroethene	U		0.000310	0.00112	1	03/28/2018 13:19	WG1089852
Toluene	U		0.000487	0.00562	1	03/28/2018 13:19	WG1089852
1,2,3-Trichlorobenzene	U	J4	0.000344	0.00112	1	03/28/2018 13:19	WG1089852
1,2,4-Trichlorobenzene	U	J4	0.000436	0.00112	1	03/28/2018 13:19	WG1089852
1,1,1-Trichloroethane	U		0.000321	0.00112	1	03/28/2018 13:19	WG1089852
1,1,2-Trichloroethane	U		0.000311	0.00112	1	03/28/2018 13:19	WG1089852
Trichloroethene	U		0.000313	0.00112	1	03/28/2018 13:19	WG1089852
Trichlorofluoromethane	U		0.000429	0.00562	1	03/28/2018 13:19	WG1089852
1,2,3-Trichloropropane	U		0.000832	0.00281	1	03/28/2018 13:19	WG1089852
1,2,4-Trimethylbenzene	U		0.000237	0.00112	1	03/28/2018 13:19	WG1089852
1,2,3-Trimethylbenzene	U		0.000322	0.00112	1	03/28/2018 13:19	WG1089852
1,3,5-Trimethylbenzene	U		0.000299	0.00112	1	03/28/2018 13:19	WG1089852
Vinyl acetate	U	J4	0.00268	0.0112	1	03/28/2018 13:19	WG1089852
Vinyl chloride	U		0.000327	0.00112	1	03/28/2018 13:19	WG1089852
Xylenes, Total	U		0.000784	0.00337	1	03/28/2018 13:19	WG1089852
(S) Toluene-d8	*104*			*80.0-120*		*03/28/2018 13:19*	WG1089852
(S) Dibromofluoromethane	*116*			*74.0-131*		*03/28/2018 13:19*	WG1089852
(S) 4-Bromofluorobenzene	*108*			*64.0-132*		*03/28/2018 13:19*	WG1089852

JC 4/16/18

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	90.2		1	03/27/2018 14:38	WG1089690

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.0145 U	J J0	0.0111	0.0555	1	03/28/2018 13:40	WG1089852
Acrylonitrile	U		0.00199	0.0111	1	03/28/2018 13:40	WG1089852
Benzene	U		0.000299	0.00111	1	03/28/2018 13:40	WG1089852
Bromobenzene	U		0.000315	0.00111	1	03/28/2018 13:40	WG1089852
Bromodichloromethane	U		0.000282	0.00111	1	03/28/2018 13:40	WG1089852
Bromochloromethane	U	J4	0.000433	0.00555	1	03/28/2018 13:40	WG1089852
Bromoform	U		0.000470	0.00111	1	03/28/2018 13:40	WG1089852
Bromomethane	U		0.00149	0.00555	1	03/28/2018 13:40	WG1089852
n-Butylbenzene	U		0.000286	0.00111	1	03/28/2018 13:40	WG1089852
sec-Butylbenzene	U		0.000223	0.00111	1	03/28/2018 13:40	WG1089852
tert-Butylbenzene	U		0.000228	0.00111	1	03/28/2018 13:40	WG1089852
Carbon disulfide	0.00330		0.000245	0.00111	1	03/28/2018 13:40	WG1089852
Carbon tetrachloride	U		0.000364	0.00111	1	03/28/2018 13:40	WG1089852
Chlorobenzene	U		0.000235	0.00111	1	03/28/2018 13:40	WG1089852
Chlorodibromomethane	U		0.000414	0.00111	1	03/28/2018 13:40	WG1089852
Chloroethane	U		0.00105	0.00555	1	03/28/2018 13:40	WG1089852
Chloroform	0.000438 J	J	0.000254	0.00555	1	03/28/2018 13:40	WG1089852
Chloromethane	U		0.000416	0.00277	1	03/28/2018 13:40	WG1089852
2-Chlorotoluene	U		0.000334	0.00111	1	03/28/2018 13:40	WG1089852
4-Chlorotoluene	U		0.000266	0.00111	1	03/28/2018 13:40	WG1089852
1,2-Dibromo-3-Chloropropane	U		0.00116	0.00555	1	03/28/2018 13:40	WG1089852
1,2-Dibromoethane	U		0.000380	0.00111	1	03/28/2018 13:40	WG1089852
Dibromomethane	U		0.000424	0.00111	1	03/28/2018 13:40	WG1089852
1,2-Dichlorobenzene	U		0.000338	0.00111	1	03/28/2018 13:40	WG1089852
1,3-Dichlorobenzene	U		0.000265	0.00111	1	03/28/2018 13:40	WG1089852
1,4-Dichlorobenzene	U		0.000251	0.00111	1	03/28/2018 13:40	WG1089852
Dichlorodifluoromethane	U		0.000791	0.00555	1	03/28/2018 13:40	WG1089852
1,1-Dichloroethane	U		0.000221	0.00111	1	03/28/2018 13:40	WG1089852
1,2-Dichloroethane	U		0.000294	0.00111	1	03/28/2018 13:40	WG1089852
1,1-Dichloroethene	U		0.000336	0.00111	1	03/28/2018 13:40	WG1089852
cis-1,2-Dichloroethene	0.000786 U	J	0.000261	0.00111	1	03/28/2018 13:40	WG1089852
trans-1,2-Dichloroethene	U		0.000293	0.00111	1	03/28/2018 13:40	WG1089852
1,2-Dichloropropane	U		0.000397	0.00111	1	03/28/2018 13:40	WG1089852
1,1-Dichloropropene	U		0.000352	0.00111	1	03/28/2018 13:40	WG1089852
1,3-Dichloropropane	U		0.000230	0.00111	1	03/28/2018 13:40	WG1089852
cis-1,3-Dichloropropene	U		0.000291	0.00111	1	03/28/2018 13:40	WG1089852
trans-1,3-Dichloropropene	U		0.000296	0.00111	1	03/28/2018 13:40	WG1089852
trans-1,4-Dichloro-2-butene	U		0.000863	0.00277	1	03/28/2018 13:40	WG1089852
2,2-Dichloropropane	U		0.000309	0.00111	1	03/28/2018 13:40	WG1089852
Di-isopropyl ether	U		0.000275	0.00111	1	03/28/2018 13:40	WG1089852
Ethylbenzene	U		0.000329	0.00111	1	03/28/2018 13:40	WG1089852
Hexachloro-1,3-butadiene	U		0.000379	0.00111	1	03/28/2018 13:40	WG1089852
2-Hexanone	U		0.00152	0.0111	1	03/28/2018 13:40	WG1089852
n-Hexane	0.00200 J	J	0.000322	0.0111	1	03/28/2018 13:40	WG1089852
Iodomethane	U		0.00281	0.0111	1	03/28/2018 13:40	WG1089852
Isopropylbenzene	U		0.000270	0.00111	1	03/28/2018 13:40	WG1089852
p-Isopropyltoluene	U		0.000226	0.00111	1	03/28/2018 13:40	WG1089852
2-Butanone (MEK)	U		0.00519	0.0111	1	03/28/2018 13:40	WG1089852
Methylene Chloride	U		0.00111	0.00555	1	03/28/2018 13:40	WG1089852
4-Methyl-2-pentanone (MIBK)	U		0.00209	0.0111	1	03/28/2018 13:40	WG1089852

JC 4/16/18

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000235	0.00111	1	03/28/2018 13:40	WG1089852
Naphthalene	U		0.00111	0.00555	1	03/28/2018 13:40	WG1089852
n-Propylbenzene	U		0.000228	0.00111	1	03/28/2018 13:40	WG1089852
Styrene	U		0.000260	0.00111	1	03/28/2018 13:40	WG1089852
1,1,1,2-Tetrachloroethane	U		0.000293	0.00111	1	03/28/2018 13:40	WG1089852
1,1,2,2-Tetrachloroethane	U		0.000405	0.00111	1	03/28/2018 13:40	WG1089852
1,1,2-Trichlorotrifluoroethane	U		0.000405	0.00111	1	03/28/2018 13:40	WG1089852
Tetrachloroethene	0.00134		0.000306	0.00111	1	03/28/2018 13:40	WG1089852
Toluene	U		0.000481	0.00555	1	03/28/2018 13:40	WG1089852
1,2,3-Trichlorobenzene	U	J4	0.000339	0.00111	1	03/28/2018 13:40	WG1089852
1,2,4-Trichlorobenzene	U	J4	0.000430	0.00111	1	03/28/2018 13:40	WG1089852
1,1,1-Trichloroethane	U		0.000317	0.00111	1	03/28/2018 13:40	WG1089852
1,1,2-Trichloroethane	U		0.000307	0.00111	1	03/28/2018 13:40	WG1089852
Trichloroethene	0.000436 J	J	0.000309	0.00111	1	03/28/2018 13:40	WG1089852
Trichlorofluoromethane	U		0.000424	0.00555	1	03/28/2018 13:40	WG1089852
1,2,3-Trichloropropane	U		0.000822	0.00277	1	03/28/2018 13:40	WG1089852
1,2,4-Trimethylbenzene	U		0.000234	0.00111	1	03/28/2018 13:40	WG1089852
1,2,3-Trimethylbenzene	U		0.000318	0.00111	1	03/28/2018 13:40	WG1089852
1,3,5-Trimethylbenzene	U		0.000295	0.00111	1	03/28/2018 13:40	WG1089852
Vinyl acetate	U	J4	0.00265	0.0111	1	03/28/2018 13:40	WG1089852
Vinyl chloride	U		0.000323	0.00111	1	03/28/2018 13:40	WG1089852
Xylenes, Total	U		0.000774	0.00333	1	03/28/2018 13:40	WG1089852
(S) Toluene-d8	*105*			*80.0-120*		*03/28/2018 13:40*	WG1089852
(S) Dibromofluoromethane	*113*			*74.0-131*		*03/28/2018 13:40*	WG1089852
(S) 4-Bromofluorobenzene	*108*			*64.0-132*		*03/28/2018 13:40*	WG1089852

JC 4/16/18

IW-19B-40

Collected date/time: 03/19/18 11:00

SAMPLE RESULTS - 08

L979234

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	86.6		1	03/27/2018 14:38	WG1089690

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch	
Acetone	0.0380 U	J J0	0.0115	0.0577	1	03/28/2018 14:00	WG1089852	
Acrylonitrile	U		0.00207	0.0115	1	03/28/2018 14:00	WG1089852	
Benzene	U		0.000312	0.00115	1	03/28/2018 14:00	WG1089852	
Bromobenzene	U		0.000328	0.00115	1	03/28/2018 14:00	WG1089852	
Bromodichloromethane	U		0.000293	0.00115	1	03/28/2018 14:00	WG1089852	
Bromochloromethane	U	J4	0.000450	0.00577	1	03/28/2018 14:00	WG1089852	
Bromoform	U		0.000489	0.00115	1	03/28/2018 14:00	WG1089852	
Bromomethane	U		0.00155	0.00577	1	03/28/2018 14:00	WG1089852	
n-Butylbenzene	U		0.000298	0.00115	1	03/28/2018 14:00	WG1089852	
sec-Butylbenzene	U		0.000232	0.00115	1	03/28/2018 14:00	WG1089852	
tert-Butylbenzene	U		0.000238	0.00115	1	03/28/2018 14:00	WG1089852	
Carbon disulfide	0.00114 J	J	0.000255	0.00115	1	03/28/2018 14:00	WG1089852	
Carbon tetrachloride	U		0.000379	0.00115	1	03/28/2018 14:00	WG1089852	
Chlorobenzene	U		0.000245	0.00115	1	03/28/2018 14:00	WG1089852	
Chlorodibromomethane	U		0.000431	0.00115	1	03/28/2018 14:00	WG1089852	
Chloroethane	U		0.00109	0.00577	1	03/28/2018 14:00	WG1089852	
Chloroform	U		0.000264	0.00577	1	03/28/2018 14:00	WG1089852	
Chloromethane	U		0.000433	0.00289	1	03/28/2018 14:00	WG1089852	
2-Chlorotoluene	U		0.000347	0.00115	1	03/28/2018 14:00	WG1089852	
4-Chlorotoluene	U		0.000277	0.00115	1	03/28/2018 14:00	WG1089852	
1,2-Dibromo-3-Chloropropane	U		0.00121	0.00577	1	03/28/2018 14:00	WG1089852	
1,2-Dibromoethane	U		0.000396	0.00115	1	03/28/2018 14:00	WG1089852	
Dibromomethane	U		0.000441	0.00115	1	03/28/2018 14:00	WG1089852	
1,2-Dichlorobenzene	U		0.000352	0.00115	1	03/28/2018 14:00	WG1089852	
1,3-Dichlorobenzene	U		0.000276	0.00115	1	03/28/2018 14:00	WG1089852	
1,4-Dichlorobenzene	U		0.000261	0.00115	1	03/28/2018 14:00	WG1089852	
Dichlorodifluoromethane	U		0.000823	0.00577	1	03/28/2018 14:00	WG1089852	
1,1-Dichloroethane	U		0.000230	0.00115	1	03/28/2018 14:00	WG1089852	
1,2-Dichloroethane	U		0.000306	0.00115	1	03/28/2018 14:00	WG1089852	
1,1-Dichloroethene	U		0.000350	0.00115	1	03/28/2018 14:00	WG1089852	
cis-1,2-Dichloroethene	0.0140		0.000271	0.00115	1	03/28/2018 14:00	WG1089852	
trans-1,2-Dichloroethene	U		0.000305	0.00115	1	03/28/2018 14:00	WG1089852	
1,2-Dichloropropane	U		0.000413	0.00115	1	03/28/2018 14:00	WG1089852	
1,1-Dichloropropene	U		0.000366	0.00115	1	03/28/2018 14:00	WG1089852	
1,3-Dichloropropane	U		0.000239	0.00115	1	03/28/2018 14:00	WG1089852	
cis-1,3-Dichloropropene	U		0.000302	0.00115	1	03/28/2018 14:00	WG1089852	
trans-1,3-Dichloropropene	U		0.000308	0.00115	1	03/28/2018 14:00	WG1089852	
trans-1,4-Dichloro-2-butene	U		0.000898	0.00289	1	03/28/2018 14:00	WG1089852	
2,2-Dichloropropane	U		0.000322	0.00115	1	03/28/2018 14:00	WG1089852	
Di-isopropyl ether	U		0.000286	0.00115	1	03/28/2018 14:00	WG1089852	
Ethylbenzene	U		0.000343	0.00115	1	03/28/2018 14:00	WG1089852	
Hexachloro-1,3-butadiene	U		0.000395	0.00115	1	03/28/2018 14:00	WG1089852	
2-Hexanone	U		0.00158	0.0115	1	03/28/2018 14:00	WG1089852	
n-Hexane	U		0.000335	0.0115	1	03/28/2018 14:00	WG1089852	
Iodomethane	U		0.00292	0.0115	1	03/28/2018 14:00	WG1089852	
Isopropylbenzene	U		0.000280	0.00115	1	03/28/2018 14:00	WG1089852	
p-Isopropyltoluene	U		0.000235	0.00115	1	03/28/2018 14:00	WG1089852	
2-Butanone (MEK)	0.00772 J	J	0.00540	0.0115	1	03/28/2018 14:00	WG1089852	
Methylene Chloride	U		0.00115	0.00577	1	03/28/2018 14:00	WG1089852	
4-Methyl-2-pentanone (MIBK)	U		0.00217	0.0115	1	03/28/2018 14:00	WG1089852	JC 4/16/18

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000245	0.00115	1	03/28/2018 14:00	WG1089852
Naphthalene	U		0.00115	0.00577	1	03/28/2018 14:00	WG1089852
n-Propylbenzene	U		0.000238	0.00115	1	03/28/2018 14:00	WG1089852
Styrene	U		0.000270	0.00115	1	03/28/2018 14:00	WG1089852
1,1,1,2-Tetrachloroethane	U		0.000305	0.00115	1	03/28/2018 14:00	WG1089852
1,1,2,2-Tetrachloroethane	U		0.000421	0.00115	1	03/28/2018 14:00	WG1089852
1,1,2-Trichlorotrifluoroethane	U		0.000421	0.00115	1	03/28/2018 14:00	WG1089852
Tetrachloroethene	U		0.000319	0.00115	1	03/28/2018 14:00	WG1089852
Toluene	U		0.000501	0.00577	1	03/28/2018 14:00	WG1089852
1,2,3-Trichlorobenzene	U	J4	0.000353	0.00115	1	03/28/2018 14:00	WG1089852
1,2,4-Trichlorobenzene	U	J4	0.000448	0.00115	1	03/28/2018 14:00	WG1089852
1,1,1-Trichloroethane	U		0.000330	0.00115	1	03/28/2018 14:00	WG1089852
1,1,2-Trichloroethane	U		0.000320	0.00115	1	03/28/2018 14:00	WG1089852
Trichloroethene	U		0.000322	0.00115	1	03/28/2018 14:00	WG1089852
Trichlorofluoromethane	U		0.000441	0.00577	1	03/28/2018 14:00	WG1089852
1,2,3-Trichloropropane	U		0.000855	0.00289	1	03/28/2018 14:00	WG1089852
1,2,4-Trimethylbenzene	U		0.000244	0.00115	1	03/28/2018 14:00	WG1089852
1,2,3-Trimethylbenzene	U		0.000331	0.00115	1	03/28/2018 14:00	WG1089852
1,3,5-Trimethylbenzene	U		0.000307	0.00115	1	03/28/2018 14:00	WG1089852
Vinyl acetate	U	J4	0.00276	0.0115	1	03/28/2018 14:00	WG1089852
Vinyl chloride	0.00417		0.000336	0.00115	1	03/28/2018 14:00	WG1089852
Xylenes, Total	U		0.000806	0.00346	1	03/28/2018 14:00	WG1089852
(S) Toluene-d8	*100*			*80.0-120*		*03/28/2018 14:00*	WG1089852
(S) Dibromofluoromethane	*111*			*74.0-131*		*03/28/2018 14:00*	WG1089852
(S) 4-Bromofluorobenzene	*111*			*64.0-132*		*03/28/2018 14:00*	WG1089852

JC 4/16/18

IW-19B-45

Collected date/time: 03/19/18 11:10

SAMPLE RESULTS - 09

L979234

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	81.9		1	03/27/2018 15:23	WG1089691

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.0212 U	J J0	0.0122	0.0610	1	03/28/2018 14:22	WG1089852
Acrylonitrile	U		0.00218	0.0122	1	03/28/2018 14:22	WG1089852
Benzene	U		0.000330	0.00122	1	03/28/2018 14:22	WG1089852
Bromobenzene	U		0.000347	0.00122	1	03/28/2018 14:22	WG1089852
Bromodichloromethane	U		0.000310	0.00122	1	03/28/2018 14:22	WG1089852
Bromochloromethane	U	J4	0.000476	0.00610	1	03/28/2018 14:22	WG1089852
Bromoform	U		0.000517	0.00122	1	03/28/2018 14:22	WG1089852
Bromomethane	U		0.00164	0.00610	1	03/28/2018 14:22	WG1089852
n-Butylbenzene	U		0.000315	0.00122	1	03/28/2018 14:22	WG1089852
sec-Butylbenzene	U		0.000245	0.00122	1	03/28/2018 14:22	WG1089852
tert-Butylbenzene	U		0.000251	0.00122	1	03/28/2018 14:22	WG1089852
Carbon disulfide	0.00105 J	J	0.000270	0.00122	1	03/28/2018 14:22	WG1089852
Carbon tetrachloride	U		0.000400	0.00122	1	03/28/2018 14:22	WG1089852
Chlorobenzene	U		0.000259	0.00122	1	03/28/2018 14:22	WG1089852
Chlorodibromomethane	U		0.000455	0.00122	1	03/28/2018 14:22	WG1089852
Chloroethane	U		0.00115	0.00610	1	03/28/2018 14:22	WG1089852
Chloroform	U		0.000279	0.00610	1	03/28/2018 14:22	WG1089852
Chloromethane	U		0.000458	0.00305	1	03/28/2018 14:22	WG1089852
2-Chlorotoluene	U		0.000367	0.00122	1	03/28/2018 14:22	WG1089852
4-Chlorotoluene	U		0.000293	0.00122	1	03/28/2018 14:22	WG1089852
1,2-Dibromo-3-Chloropropane	U		0.00128	0.00610	1	03/28/2018 14:22	WG1089852
1,2-Dibromoethane	U		0.000419	0.00122	1	03/28/2018 14:22	WG1089852
Dibromomethane	U		0.000466	0.00122	1	03/28/2018 14:22	WG1089852
1,2-Dichlorobenzene	U		0.000372	0.00122	1	03/28/2018 14:22	WG1089852
1,3-Dichlorobenzene	U		0.000292	0.00122	1	03/28/2018 14:22	WG1089852
1,4-Dichlorobenzene	U		0.000276	0.00122	1	03/28/2018 14:22	WG1089852
Dichlorodifluoromethane	U		0.000870	0.00610	1	03/28/2018 14:22	WG1089852
1,1-Dichloroethane	U		0.000243	0.00122	1	03/28/2018 14:22	WG1089852
1,2-Dichloroethane	U		0.000323	0.00122	1	03/28/2018 14:22	WG1089852
1,1-Dichloroethene	U		0.000370	0.00122	1	03/28/2018 14:22	WG1089852
cis-1,2-Dichloroethene	0.00112 U	J	0.000287	0.00122	1	03/28/2018 14:22	WG1089852
trans-1,2-Dichloroethene	U		0.000322	0.00122	1	03/28/2018 14:22	WG1089852
1,2-Dichloropropane	U		0.000437	0.00122	1	03/28/2018 14:22	WG1089852
1,1-Dichloropropene	U		0.000387	0.00122	1	03/28/2018 14:22	WG1089852
1,3-Dichloropropane	U		0.000253	0.00122	1	03/28/2018 14:22	WG1089852
cis-1,3-Dichloropropene	U		0.000320	0.00122	1	03/28/2018 14:22	WG1089852
trans-1,3-Dichloropropene	U		0.000326	0.00122	1	03/28/2018 14:22	WG1089852
trans-1,4-Dichloro-2-butene	U		0.000949	0.00305	1	03/28/2018 14:22	WG1089852
2,2-Dichloropropane	U		0.000340	0.00122	1	03/28/2018 14:22	WG1089852
Di-isopropyl ether	U		0.000303	0.00122	1	03/28/2018 14:22	WG1089852
Ethylbenzene	U		0.000362	0.00122	1	03/28/2018 14:22	WG1089852
Hexachloro-1,3-butadiene	U		0.000417	0.00122	1	03/28/2018 14:22	WG1089852
2-Hexanone	U		0.00167	0.0122	1	03/28/2018 14:22	WG1089852
n-Hexane	U		0.000354	0.0122	1	03/28/2018 14:22	WG1089852
Iodomethane	U		0.00309	0.0122	1	03/28/2018 14:22	WG1089852
Isopropylbenzene	U		0.000297	0.00122	1	03/28/2018 14:22	WG1089852
p-Isopropyltoluene	U		0.000249	0.00122	1	03/28/2018 14:22	WG1089852
2-Butanone (MEK)	U		0.00571	0.0122	1	03/28/2018 14:22	WG1089852
Methylene Chloride	U		0.00122	0.00610	1	03/28/2018 14:22	WG1089852
4-Methyl-2-pentanone (MIBK)	U		0.00229	0.0122	1	03/28/2018 14:22	WG1089852

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IW-19B-45

Collected date/time: 03/19/18 11:10

SAMPLE RESULTS - 09

L979234

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000259	0.00122	1	03/28/2018 14:22	WG1089852
Naphthalene	U		0.00122	0.00610	1	03/28/2018 14:22	WG1089852
n-Propylbenzene	U		0.000251	0.00122	1	03/28/2018 14:22	WG1089852
Styrene	U		0.000286	0.00122	1	03/28/2018 14:22	WG1089852
1,1,1,2-Tetrachloroethane	U		0.000322	0.00122	1	03/28/2018 14:22	WG1089852
1,1,2,2-Tetrachloroethane	U		0.000445	0.00122	1	03/28/2018 14:22	WG1089852
1,1,2-Trichlorotrifluoroethane	U		0.000445	0.00122	1	03/28/2018 14:22	WG1089852
Tetrachloroethene	U		0.000337	0.00122	1	03/28/2018 14:22	WG1089852
Toluene	U		0.000530	0.00610	1	03/28/2018 14:22	WG1089852
1,2,3-Trichlorobenzene	U	J4	0.000373	0.00122	1	03/28/2018 14:22	WG1089852
1,2,4-Trichlorobenzene	U	J4	0.000474	0.00122	1	03/28/2018 14:22	WG1089852
1,1,1-Trichloroethane	U		0.000349	0.00122	1	03/28/2018 14:22	WG1089852
1,1,2-Trichloroethane	U		0.000338	0.00122	1	03/28/2018 14:22	WG1089852
Trichloroethene	0.000472 J	J	0.000340	0.00122	1	03/28/2018 14:22	WG1089852
Trichlorofluoromethane	U		0.000466	0.00610	1	03/28/2018 14:22	WG1089852
1,2,3-Trichloropropane	U		0.000904	0.00305	1	03/28/2018 14:22	WG1089852
1,2,4-Trimethylbenzene	U		0.000258	0.00122	1	03/28/2018 14:22	WG1089852
1,2,3-Trimethylbenzene	U		0.000350	0.00122	1	03/28/2018 14:22	WG1089852
1,3,5-Trimethylbenzene	U		0.000325	0.00122	1	03/28/2018 14:22	WG1089852
Vinyl acetate	U	J4	0.00292	0.0122	1	03/28/2018 14:22	WG1089852
Vinyl chloride	0.000514 J	J	0.000355	0.00122	1	03/28/2018 14:22	WG1089852
Xylenes, Total	U		0.000852	0.00366	1	03/28/2018 14:22	WG1089852
(S) Toluene-d8	*105*			*80.0-120*		*03/28/2018 14:22*	WG1089852
(S) Dibromofluoromethane	*109*			*74.0-131*		*03/28/2018 14:22*	WG1089852
(S) 4-Bromofluorobenzene	*109*			*64.0-132*		*03/28/2018 14:22*	WG1089852

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1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	87.8		1	03/27/2018 15:23	WG1089691

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0128	0.0638	1.12	03/28/2018 14:42	WG1089852
Acrylonitrile	U		0.00228	0.0128	1.12	03/28/2018 14:42	WG1089852
Benzene	U		0.000344	0.00128	1.12	03/28/2018 14:42	WG1089852
Bromobenzene	U		0.000362	0.00128	1.12	03/28/2018 14:42	WG1089852
Bromodichloromethane	U		0.000324	0.00128	1.12	03/28/2018 14:42	WG1089852
Bromochloromethane	U	J4	0.000498	0.00638	1.12	03/28/2018 14:42	WG1089852
Bromoform	U		0.000541	0.00128	1.12	03/28/2018 14:42	WG1089852
Bromomethane	U		0.00171	0.00638	1.12	03/28/2018 14:42	WG1089852
n-Butylbenzene	U		0.000329	0.00128	1.12	03/28/2018 14:42	WG1089852
sec-Butylbenzene	U		0.000256	0.00128	1.12	03/28/2018 14:42	WG1089852
tert-Butylbenzene	U		0.000263	0.00128	1.12	03/28/2018 14:42	WG1089852
Carbon disulfide	0.00307		0.000283	0.00128	1.12	03/28/2018 14:42	WG1089852
Carbon tetrachloride	U		0.000418	0.00128	1.12	03/28/2018 14:42	WG1089852
Chlorobenzene	U		0.000270	0.00128	1.12	03/28/2018 14:42	WG1089852
Chlorodibromomethane	U		0.000476	0.00128	1.12	03/28/2018 14:42	WG1089852
Chloroethane	U		0.00121	0.00638	1.12	03/28/2018 14:42	WG1089852
Chloroform	U		0.000292	0.00638	1.12	03/28/2018 14:42	WG1089852
Chloromethane	0.0575		0.000479	0.00319	1.12	03/28/2018 14:42	WG1089852
2-Chlorotoluene	U		0.000384	0.00128	1.12	03/28/2018 14:42	WG1089852
4-Chlorotoluene	U		0.000307	0.00128	1.12	03/28/2018 14:42	WG1089852
1,2-Dibromo-3-Chloropropane	U		0.00134	0.00638	1.12	03/28/2018 14:42	WG1089852
1,2-Dibromoethane	U		0.000438	0.00128	1.12	03/28/2018 14:42	WG1089852
Dibromomethane	U		0.000488	0.00128	1.12	03/28/2018 14:42	WG1089852
1,2-Dichlorobenzene	U		0.000390	0.00128	1.12	03/28/2018 14:42	WG1089852
1,3-Dichlorobenzene	U		0.000305	0.00128	1.12	03/28/2018 14:42	WG1089852
1,4-Dichlorobenzene	U		0.000288	0.00128	1.12	03/28/2018 14:42	WG1089852
Dichlorodifluoromethane	U		0.000909	0.00638	1.12	03/28/2018 14:42	WG1089852
1,1-Dichloroethane	U		0.000254	0.00128	1.12	03/28/2018 14:42	WG1089852
1,2-Dichloroethane	U		0.000338	0.00128	1.12	03/28/2018 14:42	WG1089852
1,1-Dichloroethene	U		0.000386	0.00128	1.12	03/28/2018 14:42	WG1089852
cis-1,2-Dichloroethene	0.0683		0.000300	0.00128	1.12	03/28/2018 14:42	WG1089852
trans-1,2-Dichloroethene	0.00178		0.000337	0.00128	1.12	03/28/2018 14:42	WG1089852
1,2-Dichloropropane	U		0.000457	0.00128	1.12	03/28/2018 14:42	WG1089852
1,1-Dichloropropene	U		0.000405	0.00128	1.12	03/28/2018 14:42	WG1089852
1,3-Dichloropropane	U		0.000264	0.00128	1.12	03/28/2018 14:42	WG1089852
cis-1,3-Dichloropropene	U		0.000334	0.00128	1.12	03/28/2018 14:42	WG1089852
trans-1,3-Dichloropropene	U		0.000341	0.00128	1.12	03/28/2018 14:42	WG1089852
trans-1,4-Dichloro-2-butene	U		0.000992	0.00319	1.12	03/28/2018 14:42	WG1089852
2,2-Dichloropropane	U		0.000356	0.00128	1.12	03/28/2018 14:42	WG1089852
Di-isopropyl ether	U		0.000317	0.00128	1.12	03/28/2018 14:42	WG1089852
Ethylbenzene	U		0.000379	0.00128	1.12	03/28/2018 14:42	WG1089852
Hexachloro-1,3-butadiene	U		0.000436	0.00128	1.12	03/28/2018 14:42	WG1089852
2-Hexanone	U		0.00174	0.0128	1.12	03/28/2018 14:42	WG1089852
n-Hexane	0.110		0.000370	0.0128	1.12	03/28/2018 14:42	WG1089852
Iodomethane	U		0.00322	0.0128	1.12	03/28/2018 14:42	WG1089852
Isopropylbenzene	U		0.000310	0.00128	1.12	03/28/2018 14:42	WG1089852
p-Isopropyltoluene	U		0.000260	0.00128	1.12	03/28/2018 14:42	WG1089852
2-Butanone (MEK)	U		0.00597	0.0128	1.12	03/28/2018 14:42	WG1089852
Methylene Chloride	U		0.00128	0.00638	1.12	03/28/2018 14:42	WG1089852
4-Methyl-2-pentanone (MIBK)	U		0.00239	0.0128	1.12	03/28/2018 14:42	WG1089852

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000270	0.00128	1.12	03/28/2018 14:42	WG1089852
Naphthalene	U		0.00128	0.00638	1.12	03/28/2018 14:42	WG1089852
n-Propylbenzene	U		0.000263	0.00128	1.12	03/28/2018 14:42	WG1089852
Styrene	U		0.000299	0.00128	1.12	03/28/2018 14:42	WG1089852
1,1,1,2-Tetrachloroethane	U		0.000337	0.00128	1.12	03/28/2018 14:42	WG1089852
1,1,2,2-Tetrachloroethane	U		0.000466	0.00128	1.12	03/28/2018 14:42	WG1089852
1,1,2-Trichlorotrifluoroethane	U		0.000466	0.00128	1.12	03/28/2018 14:42	WG1089852
Tetrachloroethene	0.00660		0.000352	0.00128	1.12	03/28/2018 14:42	WG1089852
Toluene	0.000646 U	J	0.000554	0.00638	1.12	03/28/2018 14:42	WG1089852
1,2,3-Trichlorobenzene	U	J4	0.000391	0.00128	1.12	03/28/2018 14:42	WG1089852
1,2,4-Trichlorobenzene	U	J4	0.000495	0.00128	1.12	03/28/2018 14:42	WG1089852
1,1,1-Trichloroethane	U		0.000365	0.00128	1.12	03/28/2018 14:42	WG1089852
1,1,2-Trichloroethane	U		0.000353	0.00128	1.12	03/28/2018 14:42	WG1089852
Trichloroethene	0.0168		0.000356	0.00128	1.12	03/28/2018 14:42	WG1089852
Trichlorofluoromethane	U		0.000488	0.00638	1.12	03/28/2018 14:42	WG1089852
1,2,3-Trichloropropane	U		0.000946	0.00319	1.12	03/28/2018 14:42	WG1089852
1,2,4-Trimethylbenzene	U		0.000269	0.00128	1.12	03/28/2018 14:42	WG1089852
1,2,3-Trimethylbenzene	U		0.000366	0.00128	1.12	03/28/2018 14:42	WG1089852
1,3,5-Trimethylbenzene	U		0.000340	0.00128	1.12	03/28/2018 14:42	WG1089852
Vinyl acetate	U	J4	0.00305	0.0128	1.12	03/28/2018 14:42	WG1089852
Vinyl chloride	0.0457		0.000371	0.00128	1.12	03/28/2018 14:42	WG1089852
Xylenes, Total	U		0.000891	0.00383	1.12	03/28/2018 14:42	WG1089852
(S) Toluene-d8	*103*			*80.0-120*		*03/28/2018 14:42*	WG1089852
(S) Dibromofluoromethane	*112*			*74.0-131*		*03/28/2018 14:42*	WG1089852
(S) 4-Bromofluorobenzene	*106*			*64.0-132*		*03/28/2018 14:42*	WG1089852

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Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	90.9		1	03/27/2018 15:23	WG1089691

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0110	0.0550	1	03/28/2018 15:03	WG1089852
Acrylonitrile	U		0.00197	0.0110	1	03/28/2018 15:03	WG1089852
Benzene	U		0.000297	0.00110	1	03/28/2018 15:03	WG1089852
Bromobenzene	U		0.000312	0.00110	1	03/28/2018 15:03	WG1089852
Bromodichloromethane	U		0.000279	0.00110	1	03/28/2018 15:03	WG1089852
Bromochloromethane	U	J4	0.000429	0.00550	1	03/28/2018 15:03	WG1089852
Bromoform	U		0.000467	0.00110	1	03/28/2018 15:03	WG1089852
Bromomethane	U		0.00147	0.00550	1	03/28/2018 15:03	WG1089852
n-Butylbenzene	U		0.000284	0.00110	1	03/28/2018 15:03	WG1089852
sec-Butylbenzene	U		0.000221	0.00110	1	03/28/2018 15:03	WG1089852
tert-Butylbenzene	U		0.000227	0.00110	1	03/28/2018 15:03	WG1089852
Carbon disulfide	0.00291		0.000243	0.00110	1	03/28/2018 15:03	WG1089852
Carbon tetrachloride	U		0.000361	0.00110	1	03/28/2018 15:03	WG1089852
Chlorobenzene	U		0.000233	0.00110	1	03/28/2018 15:03	WG1089852
Chlorodibromomethane	U		0.000410	0.00110	1	03/28/2018 15:03	WG1089852
Chloroethane	U		0.00104	0.00550	1	03/28/2018 15:03	WG1089852
Chloroform	U		0.000252	0.00550	1	03/28/2018 15:03	WG1089852
Chloromethane	U		0.000413	0.00275	1	03/28/2018 15:03	WG1089852
2-Chlorotoluene	U		0.000331	0.00110	1	03/28/2018 15:03	WG1089852
4-Chlorotoluene	U		0.000264	0.00110	1	03/28/2018 15:03	WG1089852
1,2-Dibromo-3-Chloropropane	U		0.00116	0.00550	1	03/28/2018 15:03	WG1089852
1,2-Dibromoethane	U		0.000377	0.00110	1	03/28/2018 15:03	WG1089852
Dibromomethane	U		0.000420	0.00110	1	03/28/2018 15:03	WG1089852
1,2-Dichlorobenzene	U		0.000336	0.00110	1	03/28/2018 15:03	WG1089852
1,3-Dichlorobenzene	U		0.000263	0.00110	1	03/28/2018 15:03	WG1089852
1,4-Dichlorobenzene	U		0.000249	0.00110	1	03/28/2018 15:03	WG1089852
Dichlorodifluoromethane	U		0.000785	0.00550	1	03/28/2018 15:03	WG1089852
1,1-Dichloroethane	U		0.000219	0.00110	1	03/28/2018 15:03	WG1089852
1,2-Dichloroethane	U		0.000292	0.00110	1	03/28/2018 15:03	WG1089852
1,1-Dichloroethene	0.00451		0.000333	0.00110	1	03/28/2018 15:03	WG1089852
cis-1,2-Dichloroethene	1.93		0.0259	0.110	100	03/28/2018 17:07	WG1089852
trans-1,2-Dichloroethene	0.0123		0.000290	0.00110	1	03/28/2018 15:03	WG1089852
1,2-Dichloropropane	U		0.000394	0.00110	1	03/28/2018 15:03	WG1089852
1,1-Dichloropropene	U		0.000349	0.00110	1	03/28/2018 15:03	WG1089852
1,3-Dichloropropane	U		0.000228	0.00110	1	03/28/2018 15:03	WG1089852
cis-1,3-Dichloropropene	U		0.000288	0.00110	1	03/28/2018 15:03	WG1089852
trans-1,3-Dichloropropene	U		0.000294	0.00110	1	03/28/2018 15:03	WG1089852
trans-1,4-Dichloro-2-butene	U		0.000856	0.00275	1	03/28/2018 15:03	WG1089852
2,2-Dichloropropane	U		0.000307	0.00110	1	03/28/2018 15:03	WG1089852
Di-isopropyl ether	U		0.000273	0.00110	1	03/28/2018 15:03	WG1089852
Ethylbenzene	U		0.000327	0.00110	1	03/28/2018 15:03	WG1089852
Hexachloro-1,3-butadiene	U		0.000376	0.00110	1	03/28/2018 15:03	WG1089852
2-Hexanone	U		0.00151	0.0110	1	03/28/2018 15:03	WG1089852
n-Hexane	0.000325 J	J	0.000319	0.0110	1	03/28/2018 15:03	WG1089852
Iodomethane	U		0.00278	0.0110	1	03/28/2018 15:03	WG1089852
Isopropylbenzene	U		0.000267	0.00110	1	03/28/2018 15:03	WG1089852
p-Isopropyltoluene	U		0.000224	0.00110	1	03/28/2018 15:03	WG1089852
2-Butanone (MEK)	U		0.00515	0.0110	1	03/28/2018 15:03	WG1089852
Methylene Chloride	U		0.00110	0.00550	1	03/28/2018 15:03	WG1089852
4-Methyl-2-pentanone (MIBK)	U		0.00207	0.0110	1	03/28/2018 15:03	WG1089852

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000233	0.00110	1	03/28/2018 15:03	WG1089852
Naphthalene	U		0.00110	0.00550	1	03/28/2018 15:03	WG1089852
n-Propylbenzene	U		0.000227	0.00110	1	03/28/2018 15:03	WG1089852
Styrene	U		0.000257	0.00110	1	03/28/2018 15:03	WG1089852
1,1,1,2-Tetrachloroethane	U		0.000290	0.00110	1	03/28/2018 15:03	WG1089852
1,1,2,2-Tetrachloroethane	U		0.000402	0.00110	1	03/28/2018 15:03	WG1089852
1,1,2-Trichlorotrifluoroethane	U		0.000402	0.00110	1	03/28/2018 15:03	WG1089852
Tetrachloroethene	10.3		0.0304	0.110	100	03/28/2018 17:07	WG1089852
Toluene	U		0.000478	0.00550	1	03/28/2018 15:03	WG1089852
1,2,3-Trichlorobenzene	U	J4	0.000337	0.00110	1	03/28/2018 15:03	WG1089852
1,2,4-Trichlorobenzene	U	J4	0.000427	0.00110	1	03/28/2018 15:03	WG1089852
1,1,1-Trichloroethane	U		0.000315	0.00110	1	03/28/2018 15:03	WG1089852
1,1,2-Trichloroethane	U		0.000305	0.00110	1	03/28/2018 15:03	WG1089852
Trichloroethene	3.01		0.0307	0.110	100	03/28/2018 17:07	WG1089852
Trichlorofluoromethane	U		0.000420	0.00550	1	03/28/2018 15:03	WG1089852
1,2,3-Trichloropropane	U		0.000815	0.00275	1	03/28/2018 15:03	WG1089852
1,2,4-Trimethylbenzene	U		0.000232	0.00110	1	03/28/2018 15:03	WG1089852
1,2,3-Trimethylbenzene	U		0.000316	0.00110	1	03/28/2018 15:03	WG1089852
1,3,5-Trimethylbenzene	U		0.000293	0.00110	1	03/28/2018 15:03	WG1089852
Vinyl acetate	U	J4	0.00263	0.0110	1	03/28/2018 15:03	WG1089852
Vinyl chloride	0.109		0.000320	0.00110	1	03/28/2018 15:03	WG1089852
Xylenes, Total	U		0.000768	0.00330	1	03/28/2018 15:03	WG1089852
(S) Toluene-d8	*97.5*			*80.0-120*		*03/28/2018 15:03*	WG1089852
(S) Toluene-d8	*105*			*80.0-120*		*03/28/2018 17:07*	WG1089852
(S) Dibromofluoromethane	*94.3*			*74.0-131*		*03/28/2018 17:07*	WG1089852
(S) Dibromofluoromethane	*113*			*74.0-131*		*03/28/2018 15:03*	WG1089852
(S) 4-Bromofluorobenzene	*90.6*			*64.0-132*		*03/28/2018 17:07*	WG1089852
(S) 4-Bromofluorobenzene	*114*			*64.0-132*		*03/28/2018 15:03*	WG1089852

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

JC 4/16/18

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	90.6		1	03/27/2018 15:23	WG1089691

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0110	0.0552	1	03/28/2018 15:23	WG1089852
Acrylonitrile	U		0.00197	0.0110	1	03/28/2018 15:23	WG1089852
Benzene	U		0.000298	0.00110	1	03/28/2018 15:23	WG1089852
Bromobenzene	U		0.000313	0.00110	1	03/28/2018 15:23	WG1089852
Bromodichloromethane	U		0.000280	0.00110	1	03/28/2018 15:23	WG1089852
Bromochloromethane	U	J4	0.000430	0.00552	1	03/28/2018 15:23	WG1089852
Bromoform	U		0.000468	0.00110	1	03/28/2018 15:23	WG1089852
Bromomethane	U		0.00148	0.00552	1	03/28/2018 15:23	WG1089852
n-Butylbenzene	U		0.000285	0.00110	1	03/28/2018 15:23	WG1089852
sec-Butylbenzene	U		0.000222	0.00110	1	03/28/2018 15:23	WG1089852
tert-Butylbenzene	U		0.000227	0.00110	1	03/28/2018 15:23	WG1089852
Carbon disulfide	0.00446		0.000244	0.00110	1	03/28/2018 15:23	WG1089852
Carbon tetrachloride	U		0.000362	0.00110	1	03/28/2018 15:23	WG1089852
Chlorobenzene	U		0.000234	0.00110	1	03/28/2018 15:23	WG1089852
Chlorodibromomethane	U		0.000412	0.00110	1	03/28/2018 15:23	WG1089852
Chloroethane	U		0.00104	0.00552	1	03/28/2018 15:23	WG1089852
Chloroform	U		0.000253	0.00552	1	03/28/2018 15:23	WG1089852
Chloromethane	U		0.000414	0.00276	1	03/28/2018 15:23	WG1089852
2-Chlorotoluene	U		0.000332	0.00110	1	03/28/2018 15:23	WG1089852
4-Chlorotoluene	U		0.000265	0.00110	1	03/28/2018 15:23	WG1089852
1,2-Dibromo-3-Chloropropane	U		0.00116	0.00552	1	03/28/2018 15:23	WG1089852
1,2-Dibromoethane	U		0.000378	0.00110	1	03/28/2018 15:23	WG1089852
Dibromomethane	U		0.000421	0.00110	1	03/28/2018 15:23	WG1089852
1,2-Dichlorobenzene	U		0.000337	0.00110	1	03/28/2018 15:23	WG1089852
1,3-Dichlorobenzene	U		0.000264	0.00110	1	03/28/2018 15:23	WG1089852
1,4-Dichlorobenzene	U		0.000249	0.00110	1	03/28/2018 15:23	WG1089852
Dichlorodifluoromethane	U		0.000787	0.00552	1	03/28/2018 15:23	WG1089852
1,1-Dichloroethane	U		0.000220	0.00110	1	03/28/2018 15:23	WG1089852
1,2-Dichloroethane	U		0.000292	0.00110	1	03/28/2018 15:23	WG1089852
1,1-Dichloroethene	0.0100		0.000334	0.00110	1	03/28/2018 15:23	WG1089852
cis-1,2-Dichloroethene	3.16		0.0259	0.110	100	03/28/2018 17:23	WG1089852
trans-1,2-Dichloroethene	0.0185		0.000291	0.00110	1	03/28/2018 15:23	WG1089852
1,2-Dichloropropane	U		0.000395	0.00110	1	03/28/2018 15:23	WG1089852
1,1-Dichloropropene	U		0.000350	0.00110	1	03/28/2018 15:23	WG1089852
1,3-Dichloropropane	U		0.000228	0.00110	1	03/28/2018 15:23	WG1089852
cis-1,3-Dichloropropene	U		0.000289	0.00110	1	03/28/2018 15:23	WG1089852
trans-1,3-Dichloropropene	U		0.000295	0.00110	1	03/28/2018 15:23	WG1089852
trans-1,4-Dichloro-2-butene	U		0.000858	0.00276	1	03/28/2018 15:23	WG1089852
2,2-Dichloropropane	U		0.000308	0.00110	1	03/28/2018 15:23	WG1089852
Di-isopropyl ether	U		0.000274	0.00110	1	03/28/2018 15:23	WG1089852
Ethylbenzene	U		0.000328	0.00110	1	03/28/2018 15:23	WG1089852
Hexachloro-1,3-butadiene	U		0.000377	0.00110	1	03/28/2018 15:23	WG1089852
2-Hexanone	U		0.00151	0.0110	1	03/28/2018 15:23	WG1089852
n-Hexane	U		0.000320	0.0110	1	03/28/2018 15:23	WG1089852
Iodomethane	U		0.00279	0.0110	1	03/28/2018 15:23	WG1089852
Isopropylbenzene	U		0.000268	0.00110	1	03/28/2018 15:23	WG1089852
p-Isopropyltoluene	U		0.000225	0.00110	1	03/28/2018 15:23	WG1089852
2-Butanone (MEK)	U		0.00516	0.0110	1	03/28/2018 15:23	WG1089852
Methylene Chloride	U		0.00110	0.00552	1	03/28/2018 15:23	WG1089852
4-Methyl-2-pentanone (MIBK)	U		0.00207	0.0110	1	03/28/2018 15:23	WG1089852

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000234	0.00110	1	03/28/2018 15:23	WG1089852
Naphthalene	U		0.00110	0.00552	1	03/28/2018 15:23	WG1089852
n-Propylbenzene	U		0.000227	0.00110	1	03/28/2018 15:23	WG1089852
Styrene	U		0.000258	0.00110	1	03/28/2018 15:23	WG1089852
1,1,1,2-Tetrachloroethane	U		0.000291	0.00110	1	03/28/2018 15:23	WG1089852
1,1,2,2-Tetrachloroethane	U		0.000403	0.00110	1	03/28/2018 15:23	WG1089852
1,1,2-Trichlorotrifluoroethane	U		0.000403	0.00110	1	03/28/2018 15:23	WG1089852
Tetrachloroethene	14.5 J		0.0305	0.110	100	03/28/2018 17:23	WG1089852
Toluene	U		0.000479	0.00552	1	03/28/2018 15:23	WG1089852
1,2,3-Trichlorobenzene	U	J4	0.000338	0.00110	1	03/28/2018 15:23	WG1089852
1,2,4-Trichlorobenzene	U	J4	0.000428	0.00110	1	03/28/2018 15:23	WG1089852
1,1,1-Trichloroethane	U		0.000316	0.00110	1	03/28/2018 15:23	WG1089852
1,1,2-Trichloroethane	U		0.000306	0.00110	1	03/28/2018 15:23	WG1089852
Trichloroethene	3.70		0.0308	0.110	100	03/28/2018 17:23	WG1089852
Trichlorofluoromethane	U		0.000421	0.00552	1	03/28/2018 15:23	WG1089852
1,2,3-Trichloropropane	U		0.000818	0.00276	1	03/28/2018 15:23	WG1089852
1,2,4-Trimethylbenzene	U		0.000233	0.00110	1	03/28/2018 15:23	WG1089852
1,2,3-Trimethylbenzene	U		0.000317	0.00110	1	03/28/2018 15:23	WG1089852
1,3,5-Trimethylbenzene	U		0.000293	0.00110	1	03/28/2018 15:23	WG1089852
Vinyl acetate	U	J4	0.00264	0.0110	1	03/28/2018 15:23	WG1089852
Vinyl chloride	0.268		0.0321	0.110	100	03/28/2018 17:23	WG1089852
Xylenes, Total	U		0.000770	0.00331	1	03/28/2018 15:23	WG1089852
(S) Toluene-d8	*107*			*80.0-120*		*03/28/2018 17:23*	WG1089852
(S) Toluene-d8	*98.5*			*80.0-120*		*03/28/2018 15:23*	WG1089852
(S) Dibromofluoromethane	*95.5*			*74.0-131*		*03/28/2018 17:23*	WG1089852
(S) Dibromofluoromethane	*113*			*74.0-131*		*03/28/2018 15:23*	WG1089852
(S) 4-Bromofluorobenzene	*90.2*			*64.0-132*		*03/28/2018 17:23*	WG1089852
(S) 4-Bromofluorobenzene	*114*			*64.0-132*		*03/28/2018 15:23*	WG1089852

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

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Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	89.3		1	03/27/2018 15:23	WG1089691

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0112	0.0560	1	03/28/2018 15:44	WG1089852
Acrylonitrile	U		0.00200	0.0112	1	03/28/2018 15:44	WG1089852
Benzene	U		0.000302	0.00112	1	03/28/2018 15:44	WG1089852
Bromobenzene	U		0.000318	0.00112	1	03/28/2018 15:44	WG1089852
Bromodichloromethane	U		0.000284	0.00112	1	03/28/2018 15:44	WG1089852
Bromochloromethane	U	J4	0.000437	0.00560	1	03/28/2018 15:44	WG1089852
Bromoform	U		0.000475	0.00112	1	03/28/2018 15:44	WG1089852
Bromomethane	U		0.00150	0.00560	1	03/28/2018 15:44	WG1089852
n-Butylbenzene	U		0.000289	0.00112	1	03/28/2018 15:44	WG1089852
sec-Butylbenzene	U		0.000225	0.00112	1	03/28/2018 15:44	WG1089852
tert-Butylbenzene	U		0.000231	0.00112	1	03/28/2018 15:44	WG1089852
Carbon disulfide	0.000488 J	J	0.000247	0.00112	1	03/28/2018 15:44	WG1089852
Carbon tetrachloride	U		0.000367	0.00112	1	03/28/2018 15:44	WG1089852
Chlorobenzene	U		0.000237	0.00112	1	03/28/2018 15:44	WG1089852
Chlorodibromomethane	U		0.000418	0.00112	1	03/28/2018 15:44	WG1089852
Chloroethane	U		0.00106	0.00560	1	03/28/2018 15:44	WG1089852
Chloroform	U		0.000256	0.00560	1	03/28/2018 15:44	WG1089852
Chloromethane	U		0.000420	0.00280	1	03/28/2018 15:44	WG1089852
2-Chlorotoluene	U		0.000337	0.00112	1	03/28/2018 15:44	WG1089852
4-Chlorotoluene	U		0.000269	0.00112	1	03/28/2018 15:44	WG1089852
1,2-Dibromo-3-Chloropropane	U		0.00118	0.00560	1	03/28/2018 15:44	WG1089852
1,2-Dibromoethane	U		0.000384	0.00112	1	03/28/2018 15:44	WG1089852
Dibromomethane	U		0.000428	0.00112	1	03/28/2018 15:44	WG1089852
1,2-Dichlorobenzene	U		0.000341	0.00112	1	03/28/2018 15:44	WG1089852
1,3-Dichlorobenzene	U		0.000268	0.00112	1	03/28/2018 15:44	WG1089852
1,4-Dichlorobenzene	U		0.000253	0.00112	1	03/28/2018 15:44	WG1089852
Dichlorodifluoromethane	U		0.000798	0.00560	1	03/28/2018 15:44	WG1089852
1,1-Dichloroethane	U		0.000223	0.00112	1	03/28/2018 15:44	WG1089852
1,2-Dichloroethane	U		0.000297	0.00112	1	03/28/2018 15:44	WG1089852
1,1-Dichloroethene	0.000919 J	J	0.000339	0.00112	1	03/28/2018 15:44	WG1089852
cis-1,2-Dichloroethene	0.0326		0.000263	0.00112	1	03/28/2018 15:44	WG1089852
trans-1,2-Dichloroethene	U		0.000296	0.00112	1	03/28/2018 15:44	WG1089852
1,2-Dichloropropane	U		0.000401	0.00112	1	03/28/2018 15:44	WG1089852
1,1-Dichloropropene	U		0.000355	0.00112	1	03/28/2018 15:44	WG1089852
1,3-Dichloropropane	U		0.000232	0.00112	1	03/28/2018 15:44	WG1089852
cis-1,3-Dichloropropene	U		0.000293	0.00112	1	03/28/2018 15:44	WG1089852
trans-1,3-Dichloropropene	U		0.000299	0.00112	1	03/28/2018 15:44	WG1089852
trans-1,4-Dichloro-2-butene	U		0.000871	0.00280	1	03/28/2018 15:44	WG1089852
2,2-Dichloropropane	U		0.000312	0.00112	1	03/28/2018 15:44	WG1089852
Di-isopropyl ether	U		0.000278	0.00112	1	03/28/2018 15:44	WG1089852
Ethylbenzene	U		0.000333	0.00112	1	03/28/2018 15:44	WG1089852
Hexachloro-1,3-butadiene	U		0.000383	0.00112	1	03/28/2018 15:44	WG1089852
2-Hexanone	U		0.00153	0.0112	1	03/28/2018 15:44	WG1089852
n-Hexane	U		0.000325	0.0112	1	03/28/2018 15:44	WG1089852
Iodomethane	U		0.00283	0.0112	1	03/28/2018 15:44	WG1089852
Isopropylbenzene	U		0.000272	0.00112	1	03/28/2018 15:44	WG1089852
p-Isopropyltoluene	U		0.000228	0.00112	1	03/28/2018 15:44	WG1089852
2-Butanone (MEK)	U		0.00524	0.0112	1	03/28/2018 15:44	WG1089852
Methylene Chloride	U		0.00112	0.00560	1	03/28/2018 15:44	WG1089852
4-Methyl-2-pentanone (MIBK)	U		0.00210	0.0112	1	03/28/2018 15:44	WG1089852

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000237	0.00112	1	03/28/2018 15:44	WG1089852
Naphthalene	U		0.00112	0.00560	1	03/28/2018 15:44	WG1089852
n-Propylbenzene	U		0.000231	0.00112	1	03/28/2018 15:44	WG1089852
Styrene	U		0.000262	0.00112	1	03/28/2018 15:44	WG1089852
1,1,1,2-Tetrachloroethane	U		0.000296	0.00112	1	03/28/2018 15:44	WG1089852
1,1,2,2-Tetrachloroethane	U		0.000409	0.00112	1	03/28/2018 15:44	WG1089852
1,1,2-Trichlorotrifluoroethane	U		0.000409	0.00112	1	03/28/2018 15:44	WG1089852
Tetrachloroethene	0.0326		0.000309	0.00112	1	03/28/2018 15:44	WG1089852
Toluene	U		0.000486	0.00560	1	03/28/2018 15:44	WG1089852
1,2,3-Trichlorobenzene	U	J4	0.000343	0.00112	1	03/28/2018 15:44	WG1089852
1,2,4-Trichlorobenzene	U	J4	0.000434	0.00112	1	03/28/2018 15:44	WG1089852
1,1,1-Trichloroethane	U		0.000320	0.00112	1	03/28/2018 15:44	WG1089852
1,1,2-Trichloroethane	U		0.000310	0.00112	1	03/28/2018 15:44	WG1089852
Trichloroethene	0.0180		0.000312	0.00112	1	03/28/2018 15:44	WG1089852
Trichlorofluoromethane	U		0.000428	0.00560	1	03/28/2018 15:44	WG1089852
1,2,3-Trichloropropane	U		0.000830	0.00280	1	03/28/2018 15:44	WG1089852
1,2,4-Trimethylbenzene	U		0.000236	0.00112	1	03/28/2018 15:44	WG1089852
1,2,3-Trimethylbenzene	U		0.000321	0.00112	1	03/28/2018 15:44	WG1089852
1,3,5-Trimethylbenzene	U		0.000298	0.00112	1	03/28/2018 15:44	WG1089852
Vinyl acetate	U	J4	0.00268	0.0112	1	03/28/2018 15:44	WG1089852
Vinyl chloride	0.0108		0.000326	0.00112	1	03/28/2018 15:44	WG1089852
Xylenes, Total	U		0.000781	0.00336	1	03/28/2018 15:44	WG1089852
(S) Toluene-d8	*100*			*80.0-120*		*03/28/2018 15:44*	WG1089852
(S) Dibromofluoromethane	*114*			*74.0-131*		*03/28/2018 15:44*	WG1089852
(S) 4-Bromofluorobenzene	*110*			*64.0-132*		*03/28/2018 15:44*	WG1089852

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1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	91.4		1	03/27/2018 15:23	WG1089691

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.0204 U	J J0	0.0109	0.0547	1	03/28/2018 16:05	WG1089852
Acrylonitrile	U		0.00196	0.0109	1	03/28/2018 16:05	WG1089852
Benzene	U		0.000296	0.00109	1	03/28/2018 16:05	WG1089852
Bromobenzene	U		0.000311	0.00109	1	03/28/2018 16:05	WG1089852
Bromodichloromethane	U		0.000278	0.00109	1	03/28/2018 16:05	WG1089852
Bromochloromethane	U	J4	0.000427	0.00547	1	03/28/2018 16:05	WG1089852
Bromoform	U		0.000464	0.00109	1	03/28/2018 16:05	WG1089852
Bromomethane	U		0.00147	0.00547	1	03/28/2018 16:05	WG1089852
n-Butylbenzene	U		0.000282	0.00109	1	03/28/2018 16:05	WG1089852
sec-Butylbenzene	U		0.000220	0.00109	1	03/28/2018 16:05	WG1089852
tert-Butylbenzene	U		0.000225	0.00109	1	03/28/2018 16:05	WG1089852
Carbon disulfide	0.00132		0.000242	0.00109	1	03/28/2018 16:05	WG1089852
Carbon tetrachloride	U		0.000359	0.00109	1	03/28/2018 16:05	WG1089852
Chlorobenzene	U		0.000232	0.00109	1	03/28/2018 16:05	WG1089852
Chlorodibromomethane	U		0.000408	0.00109	1	03/28/2018 16:05	WG1089852
Chloroethane	U		0.00104	0.00547	1	03/28/2018 16:05	WG1089852
Chloroform	U		0.000251	0.00547	1	03/28/2018 16:05	WG1089852
Chloromethane	U		0.000410	0.00274	1	03/28/2018 16:05	WG1089852
2-Chlorotoluene	U		0.000329	0.00109	1	03/28/2018 16:05	WG1089852
4-Chlorotoluene	U		0.000263	0.00109	1	03/28/2018 16:05	WG1089852
1,2-Dibromo-3-Chloropropane	U		0.00115	0.00547	1	03/28/2018 16:05	WG1089852
1,2-Dibromoethane	U		0.000375	0.00109	1	03/28/2018 16:05	WG1089852
Dibromomethane	U		0.000418	0.00109	1	03/28/2018 16:05	WG1089852
1,2-Dichlorobenzene	U		0.000334	0.00109	1	03/28/2018 16:05	WG1089852
1,3-Dichlorobenzene	U		0.000262	0.00109	1	03/28/2018 16:05	WG1089852
1,4-Dichlorobenzene	U		0.000247	0.00109	1	03/28/2018 16:05	WG1089852
Dichlorodifluoromethane	U		0.000780	0.00547	1	03/28/2018 16:05	WG1089852
1,1-Dichloroethane	U		0.000218	0.00109	1	03/28/2018 16:05	WG1089852
1,2-Dichloroethane	U		0.000290	0.00109	1	03/28/2018 16:05	WG1089852
1,1-Dichloroethene	U		0.000332	0.00109	1	03/28/2018 16:05	WG1089852
cis-1,2-Dichloroethene	0.00224		0.000257	0.00109	1	03/28/2018 16:05	WG1089852
trans-1,2-Dichloroethene	U		0.000289	0.00109	1	03/28/2018 16:05	WG1089852
1,2-Dichloropropane	U		0.000392	0.00109	1	03/28/2018 16:05	WG1089852
1,1-Dichloropropene	U		0.000347	0.00109	1	03/28/2018 16:05	WG1089852
1,3-Dichloropropane	U		0.000227	0.00109	1	03/28/2018 16:05	WG1089852
cis-1,3-Dichloropropene	U		0.000287	0.00109	1	03/28/2018 16:05	WG1089852
trans-1,3-Dichloropropene	U		0.000292	0.00109	1	03/28/2018 16:05	WG1089852
trans-1,4-Dichloro-2-butene	U		0.000852	0.00274	1	03/28/2018 16:05	WG1089852
2,2-Dichloropropane	U		0.000305	0.00109	1	03/28/2018 16:05	WG1089852
Di-isopropyl ether	U		0.000271	0.00109	1	03/28/2018 16:05	WG1089852
Ethylbenzene	U		0.000325	0.00109	1	03/28/2018 16:05	WG1089852
Hexachloro-1,3-butadiene	U		0.000374	0.00109	1	03/28/2018 16:05	WG1089852
2-Hexanone	U		0.00150	0.0109	1	03/28/2018 16:05	WG1089852
n-Hexane	U		0.000317	0.0109	1	03/28/2018 16:05	WG1089852
Iodomethane	U		0.00277	0.0109	1	03/28/2018 16:05	WG1089852
Isopropylbenzene	U		0.000266	0.00109	1	03/28/2018 16:05	WG1089852
p-Isopropyltoluene	U		0.000223	0.00109	1	03/28/2018 16:05	WG1089852
2-Butanone (MEK)	U		0.00512	0.0109	1	03/28/2018 16:05	WG1089852
Methylene Chloride	U		0.00109	0.00547	1	03/28/2018 16:05	WG1089852
4-Methyl-2-pentanone (MIBK)	U		0.00206	0.0109	1	03/28/2018 16:05	WG1089852

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000232	0.00109	1	03/28/2018 16:05	WG1089852
Naphthalene	U		0.00109	0.00547	1	03/28/2018 16:05	WG1089852
n-Propylbenzene	U		0.000225	0.00109	1	03/28/2018 16:05	WG1089852
Styrene	U		0.000256	0.00109	1	03/28/2018 16:05	WG1089852
1,1,1,2-Tetrachloroethane	U		0.000289	0.00109	1	03/28/2018 16:05	WG1089852
1,1,2,2-Tetrachloroethane	U		0.000400	0.00109	1	03/28/2018 16:05	WG1089852
1,1,2-Trichlorotrifluoroethane	U		0.000400	0.00109	1	03/28/2018 16:05	WG1089852
Tetrachloroethene	0.0342		0.000302	0.00109	1	03/28/2018 16:05	WG1089852
Toluene	U		0.000475	0.00547	1	03/28/2018 16:05	WG1089852
1,2,3-Trichlorobenzene	U	J4	0.000335	0.00109	1	03/28/2018 16:05	WG1089852
1,2,4-Trichlorobenzene	U	J4	0.000425	0.00109	1	03/28/2018 16:05	WG1089852
1,1,1-Trichloroethane	U		0.000313	0.00109	1	03/28/2018 16:05	WG1089852
1,1,2-Trichloroethane	U		0.000303	0.00109	1	03/28/2018 16:05	WG1089852
Trichloroethene	0.00314		0.000305	0.00109	1	03/28/2018 16:05	WG1089852
Trichlorofluoromethane	U		0.000418	0.00547	1	03/28/2018 16:05	WG1089852
1,2,3-Trichloropropane	U		0.000811	0.00274	1	03/28/2018 16:05	WG1089852
1,2,4-Trimethylbenzene	U		0.000231	0.00109	1	03/28/2018 16:05	WG1089852
1,2,3-Trimethylbenzene	U		0.000314	0.00109	1	03/28/2018 16:05	WG1089852
1,3,5-Trimethylbenzene	U		0.000291	0.00109	1	03/28/2018 16:05	WG1089852
Vinyl acetate	U	J4	0.00262	0.0109	1	03/28/2018 16:05	WG1089852
Vinyl chloride	U		0.000319	0.00109	1	03/28/2018 16:05	WG1089852
Xylenes, Total	U		0.000764	0.00328	1	03/28/2018 16:05	WG1089852
(S) Toluene-d8	*102*			*80.0-120*		*03/28/2018 16:05*	WG1089852
(S) Dibromofluoromethane	*116*			*74.0-131*		*03/28/2018 16:05*	WG1089852
(S) 4-Bromofluorobenzene	*106*			*64.0-132*		*03/28/2018 16:05*	WG1089852

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Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	92.8		1	03/27/2018 15:23	WG1089691

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0108	0.0539	1	03/28/2018 16:36	WG1089852
Acrylonitrile	U		0.00193	0.0108	1	03/28/2018 16:36	WG1089852
Benzene	U		0.000291	0.00108	1	03/28/2018 16:36	WG1089852
Bromobenzene	U		0.000306	0.00108	1	03/28/2018 16:36	WG1089852
Bromodichloromethane	U		0.000274	0.00108	1	03/28/2018 16:36	WG1089852
Bromochloromethane	U	J4	0.000420	0.00539	1	03/28/2018 16:36	WG1089852
Bromoform	U		0.000457	0.00108	1	03/28/2018 16:36	WG1089852
Bromomethane	U		0.00144	0.00539	1	03/28/2018 16:36	WG1089852
n-Butylbenzene	U		0.000278	0.00108	1	03/28/2018 16:36	WG1089852
sec-Butylbenzene	U		0.000217	0.00108	1	03/28/2018 16:36	WG1089852
tert-Butylbenzene	U		0.000222	0.00108	1	03/28/2018 16:36	WG1089852
Carbon disulfide	U		0.000238	0.00108	1	03/28/2018 16:36	WG1089852
Carbon tetrachloride	U		0.000354	0.00108	1	03/28/2018 16:36	WG1089852
Chlorobenzene	U		0.000229	0.00108	1	03/28/2018 16:36	WG1089852
Chlorodibromomethane	U		0.000402	0.00108	1	03/28/2018 16:36	WG1089852
Chloroethane	U		0.00102	0.00539	1	03/28/2018 16:36	WG1089852
Chloroform	U		0.000247	0.00539	1	03/28/2018 16:36	WG1089852
Chloromethane	U		0.000404	0.00269	1	03/28/2018 16:36	WG1089852
2-Chlorotoluene	U		0.000324	0.00108	1	03/28/2018 16:36	WG1089852
4-Chlorotoluene	U		0.000259	0.00108	1	03/28/2018 16:36	WG1089852
1,2-Dibromo-3-Chloropropane	U		0.00113	0.00539	1	03/28/2018 16:36	WG1089852
1,2-Dibromoethane	U		0.000370	0.00108	1	03/28/2018 16:36	WG1089852
Dibromomethane	U		0.000412	0.00108	1	03/28/2018 16:36	WG1089852
1,2-Dichlorobenzene	U		0.000329	0.00108	1	03/28/2018 16:36	WG1089852
1,3-Dichlorobenzene	U		0.000258	0.00108	1	03/28/2018 16:36	WG1089852
1,4-Dichlorobenzene	U		0.000244	0.00108	1	03/28/2018 16:36	WG1089852
Dichlorodifluoromethane	U		0.000769	0.00539	1	03/28/2018 16:36	WG1089852
1,1-Dichloroethane	U		0.000215	0.00108	1	03/28/2018 16:36	WG1089852
1,2-Dichloroethane	U		0.000286	0.00108	1	03/28/2018 16:36	WG1089852
1,1-Dichloroethene	U		0.000327	0.00108	1	03/28/2018 16:36	WG1089852
cis-1,2-Dichloroethene	0.00634		0.000253	0.00108	1	03/28/2018 16:36	WG1089852
trans-1,2-Dichloroethene	U		0.000285	0.00108	1	03/28/2018 16:36	WG1089852
1,2-Dichloropropane	U		0.000386	0.00108	1	03/28/2018 16:36	WG1089852
1,1-Dichloropropene	U		0.000342	0.00108	1	03/28/2018 16:36	WG1089852
1,3-Dichloropropane	U		0.000223	0.00108	1	03/28/2018 16:36	WG1089852
cis-1,3-Dichloropropene	U		0.000282	0.00108	1	03/28/2018 16:36	WG1089852
trans-1,3-Dichloropropene	U		0.000288	0.00108	1	03/28/2018 16:36	WG1089852
trans-1,4-Dichloro-2-butene	U		0.000839	0.00269	1	03/28/2018 16:36	WG1089852
2,2-Dichloropropane	U		0.000301	0.00108	1	03/28/2018 16:36	WG1089852
Di-isopropyl ether	U		0.000267	0.00108	1	03/28/2018 16:36	WG1089852
Ethylbenzene	U		0.000320	0.00108	1	03/28/2018 16:36	WG1089852
Hexachloro-1,3-butadiene	U		0.000369	0.00108	1	03/28/2018 16:36	WG1089852
2-Hexanone	U		0.00148	0.0108	1	03/28/2018 16:36	WG1089852
n-Hexane	U		0.000313	0.0108	1	03/28/2018 16:36	WG1089852
Iodomethane	U		0.00273	0.0108	1	03/28/2018 16:36	WG1089852
Isopropylbenzene	U		0.000262	0.00108	1	03/28/2018 16:36	WG1089852
p-Isopropyltoluene	U		0.000220	0.00108	1	03/28/2018 16:36	WG1089852
2-Butanone (MEK)	U		0.00504	0.0108	1	03/28/2018 16:36	WG1089852
Methylene Chloride	U		0.00108	0.00539	1	03/28/2018 16:36	WG1089852
4-Methyl-2-pentanone (MIBK)	U		0.00203	0.0108	1	03/28/2018 16:36	WG1089852

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000229	0.00108	1	03/28/2018 16:36	WG1089852
Naphthalene	U		0.00108	0.00539	1	03/28/2018 16:36	WG1089852
n-Propylbenzene	U		0.000222	0.00108	1	03/28/2018 16:36	WG1089852
Styrene	U		0.000252	0.00108	1	03/28/2018 16:36	WG1089852
1,1,1,2-Tetrachloroethane	U		0.000285	0.00108	1	03/28/2018 16:36	WG1089852
1,1,2,2-Tetrachloroethane	U		0.000393	0.00108	1	03/28/2018 16:36	WG1089852
1,1,2-Trichlorotrifluoroethane	U		0.000393	0.00108	1	03/28/2018 16:36	WG1089852
Tetrachloroethene	0.0432		0.000298	0.00108	1	03/28/2018 16:36	WG1089852
Toluene	U		0.000468	0.00539	1	03/28/2018 16:36	WG1089852
1,2,3-Trichlorobenzene	U	J4	0.000330	0.00108	1	03/28/2018 16:36	WG1089852
1,2,4-Trichlorobenzene	U	J4	0.000418	0.00108	1	03/28/2018 16:36	WG1089852
1,1,1-Trichloroethane	U		0.000308	0.00108	1	03/28/2018 16:36	WG1089852
1,1,2-Trichloroethane	U		0.000299	0.00108	1	03/28/2018 16:36	WG1089852
Trichloroethene	0.00481		0.000301	0.00108	1	03/28/2018 16:36	WG1089852
Trichlorofluoromethane	U		0.000412	0.00539	1	03/28/2018 16:36	WG1089852
1,2,3-Trichloropropane	U		0.000799	0.00269	1	03/28/2018 16:36	WG1089852
1,2,4-Trimethylbenzene	U		0.000227	0.00108	1	03/28/2018 16:36	WG1089852
1,2,3-Trimethylbenzene	U		0.000309	0.00108	1	03/28/2018 16:36	WG1089852
1,3,5-Trimethylbenzene	U		0.000287	0.00108	1	03/28/2018 16:36	WG1089852
Vinyl acetate	U	J4	0.00258	0.0108	1	03/28/2018 16:36	WG1089852
Vinyl chloride	U		0.000314	0.00108	1	03/28/2018 16:36	WG1089852
Xylenes, Total	U		0.000752	0.00323	1	03/28/2018 16:36	WG1089852
(S) Toluene-d8	*103*			*80.0-120*		*03/28/2018 16:36*	WG1089852
(S) Dibromofluoromethane	*119*			*74.0-131*		*03/28/2018 16:36*	WG1089852
(S) 4-Bromofluorobenzene	*109*			*64.0-132*		*03/28/2018 16:36*	WG1089852

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1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	86.9		1	03/27/2018 15:23	WG1089691

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U	UJ J0	2.88	14.4	250	03/28/2018 17:03	WG1090297
Acrylonitrile	U		0.516	2.88	250	03/28/2018 17:03	WG1090297
Benzene	U		0.0777	0.288	250	03/28/2018 17:03	WG1090297
Bromobenzene	U		0.0817	0.288	250	03/28/2018 17:03	WG1090297
Bromodichloromethane	U		0.0731	0.288	250	03/28/2018 17:03	WG1090297
Bromochloromethane	U		0.112	1.44	250	03/28/2018 17:03	WG1090297
Bromoform	U	UJ J0	0.122	0.288	250	03/28/2018 17:03	WG1090297
Bromomethane	U		0.386	1.44	250	03/28/2018 17:03	WG1090297
n-Butylbenzene	U		0.0742	0.288	250	03/28/2018 17:03	WG1090297
sec-Butylbenzene	U		0.0578	0.288	250	03/28/2018 17:03	WG1090297
tert-Butylbenzene	U		0.0593	0.288	250	03/28/2018 17:03	WG1090297
Carbon disulfide	U	UJ J0	0.0635	0.288	250	03/28/2018 17:03	WG1090297
Carbon tetrachloride	U		0.0944	0.288	250	03/28/2018 17:03	WG1090297
Chlorobenzene	U		0.0610	0.288	250	03/28/2018 17:03	WG1090297
Chlorodibromomethane	U		0.107	0.288	250	03/28/2018 17:03	WG1090297
Chloroethane	U		0.272	1.44	250	03/28/2018 17:03	WG1090297
Chloroform	U		0.0658	1.44	250	03/28/2018 17:03	WG1090297
Chloromethane	U	UJ J0	0.108	0.719	250	03/28/2018 17:03	WG1090297
2-Chlorotoluene	U		0.0865	0.288	250	03/28/2018 17:03	WG1090297
4-Chlorotoluene	U		0.0691	0.288	250	03/28/2018 17:03	WG1090297
1,2-Dibromo-3-Chloropropane	U		0.302	1.44	250	03/28/2018 17:03	WG1090297
1,2-Dibromoethane	U		0.0987	0.288	250	03/28/2018 17:03	WG1090297
Dibromomethane	U		0.110	0.288	250	03/28/2018 17:03	WG1090297
1,2-Dichlorobenzene	U		0.0877	0.288	250	03/28/2018 17:03	WG1090297
1,3-Dichlorobenzene	U		0.0688	0.288	250	03/28/2018 17:03	WG1090297
1,4-Dichlorobenzene	U		0.0650	0.288	250	03/28/2018 17:03	WG1090297
Dichlorodifluoromethane	U	UJ J0	0.205	1.44	250	03/28/2018 17:03	WG1090297
1,1-Dichloroethane	U		0.0573	0.288	250	03/28/2018 17:03	WG1090297
1,2-Dichloroethane	U		0.0762	0.288	250	03/28/2018 17:03	WG1090297
1,1-Dichloroethene	U		0.0872	0.288	250	03/28/2018 17:03	WG1090297
cis-1,2-Dichloroethene	0.198	U J	0.0677	0.288	250	03/28/2018 17:03	WG1090297
trans-1,2-Dichloroethene	U		0.0760	0.288	250	03/28/2018 17:03	WG1090297
1,2-Dichloropropane	U		0.103	0.288	250	03/28/2018 17:03	WG1090297
1,1-Dichloropropene	U		0.0911	0.288	250	03/28/2018 17:03	WG1090297
1,3-Dichloropropane	U		0.0596	0.288	250	03/28/2018 17:03	WG1090297
cis-1,3-Dichloropropene	U		0.0754	0.288	250	03/28/2018 17:03	WG1090297
trans-1,3-Dichloropropene	U		0.0769	0.288	250	03/28/2018 17:03	WG1090297
trans-1,4-Dichloro-2-butene	U	UJ J0	0.223	0.719	250	03/28/2018 17:03	WG1090297
2,2-Dichloropropane	U		0.0803	0.288	250	03/28/2018 17:03	WG1090297
Di-isopropyl ether	U	UJ J0	0.0714	0.288	250	03/28/2018 17:03	WG1090297
Ethylbenzene	U		0.0854	0.288	250	03/28/2018 17:03	WG1090297
Hexachloro-1,3-butadiene	U		0.0984	0.288	250	03/28/2018 17:03	WG1090297
2-Hexanone	U		0.394	2.88	250	03/28/2018 17:03	WG1090297
n-Hexane	U	UJ J0	0.0834	2.88	250	03/28/2018 17:03	WG1090297
Iodomethane	U		0.727	2.88	250	03/28/2018 17:03	WG1090297
Isopropylbenzene	U		0.0700	0.288	250	03/28/2018 17:03	WG1090297
p-Isopropyltoluene	U		0.0587	0.288	250	03/28/2018 17:03	WG1090297
2-Butanone (MEK)	U	UJ J0	1.35	2.88	250	03/28/2018 17:03	WG1090297
Methylene Chloride	U		0.288	1.44	250	03/28/2018 17:03	WG1090297
4-Methyl-2-pentanone (MIBK)	U		0.541	2.88	250	03/28/2018 17:03	WG1090297

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.0610	0.288	250	03/28/2018 17:03	WG1090297
Naphthalene	U		0.288	1.44	250	03/28/2018 17:03	WG1090297
n-Propylbenzene	U		0.0593	0.288	250	03/28/2018 17:03	WG1090297
Styrene	U		0.0673	0.288	250	03/28/2018 17:03	WG1090297
1,1,1,2-Tetrachloroethane	U		0.0760	0.288	250	03/28/2018 17:03	WG1090297
1,1,2,2-Tetrachloroethane	U		0.105	0.288	250	03/28/2018 17:03	WG1090297
1,1,2-Trichlorotrifluoroethane	U		0.105	0.288	250	03/28/2018 17:03	WG1090297
Tetrachloroethene	29.6		0.0794	0.288	250	03/28/2018 17:03	WG1090297
Toluene	U		0.124	1.44	250	03/28/2018 17:03	WG1090297
1,2,3-Trichlorobenzene	U		0.0880	0.288	250	03/28/2018 17:03	WG1090297
1,2,4-Trichlorobenzene	U		0.112	0.288	250	03/28/2018 17:03	WG1090297
1,1,1-Trichloroethane	U		0.0823	0.288	250	03/28/2018 17:03	WG1090297
1,1,2-Trichloroethane	U		0.0796	0.288	250	03/28/2018 17:03	WG1090297
Trichloroethene	0.243 J	J	0.0803	0.288	250	03/28/2018 17:03	WG1090297
Trichlorofluoromethane	U		0.110	1.44	250	03/28/2018 17:03	WG1090297
1,2,3-Trichloropropane	U		0.213	0.719	250	03/28/2018 17:03	WG1090297
1,2,4-Trimethylbenzene	U		0.0608	0.288	250	03/28/2018 17:03	WG1090297
1,2,3-Trimethylbenzene	U		0.0826	0.288	250	03/28/2018 17:03	WG1090297
1,3,5-Trimethylbenzene	U		0.0765	0.288	250	03/28/2018 17:03	WG1090297
Vinyl acetate	U		0.688	2.88	250	03/28/2018 17:03	WG1090297
Vinyl chloride	U		0.0838	0.288	250	03/28/2018 17:03	WG1090297
Xylenes, Total	U		0.200	0.863	250	03/28/2018 17:03	WG1090297
(S) Toluene-d8	*110*			*80.0-120*		*03/28/2018 17:03*	WG1090297
(S) Dibromofluoromethane	*97.7*			*74.0-131*		*03/28/2018 17:03*	WG1090297
(S) 4-Bromofluorobenzene	*89.0*			*64.0-132*		*03/28/2018 17:03*	WG1090297

Sample Narrative:

L979234-16 WG1090297: Target compounds too high to run at a lower dilution.

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Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	91.1		1	03/27/2018 15:23	WG1089691

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0110	0.0549	1	03/28/2018 00:40	WG1089430
Acrylonitrile	U		0.00196	0.0110	1	03/28/2018 00:40	WG1089430
Benzene	U		0.000296	0.00110	1	03/28/2018 00:40	WG1089430
Bromobenzene	U		0.000312	0.00110	1	03/28/2018 00:40	WG1089430
Bromodichloromethane	U		0.000279	0.00110	1	03/28/2018 00:40	WG1089430
Bromochloromethane	U		0.000428	0.00549	1	03/28/2018 00:40	WG1089430
Bromoform	U		0.000465	0.00110	1	03/28/2018 00:40	WG1089430
Bromomethane	U		0.00147	0.00549	1	03/28/2018 00:40	WG1089430
n-Butylbenzene	U		0.000283	0.00110	1	03/28/2018 00:40	WG1089430
sec-Butylbenzene	U		0.000221	0.00110	1	03/28/2018 00:40	WG1089430
tert-Butylbenzene	U		0.000226	0.00110	1	03/28/2018 00:40	WG1089430
Carbon disulfide	0.00201		0.000243	0.00110	1	03/28/2018 00:40	WG1089430
Carbon tetrachloride	U		0.000360	0.00110	1	03/28/2018 00:40	WG1089430
Chlorobenzene	U		0.000233	0.00110	1	03/28/2018 00:40	WG1089430
Chlorodibromomethane	U		0.000409	0.00110	1	03/28/2018 00:40	WG1089430
Chloroethane	U		0.00104	0.00549	1	03/28/2018 00:40	WG1089430
Chloroform	0.000493 J	J	0.000251	0.00549	1	03/28/2018 00:40	WG1089430
Chloromethane	U		0.000412	0.00274	1	03/28/2018 00:40	WG1089430
2-Chlorotoluene	U		0.000330	0.00110	1	03/28/2018 00:40	WG1089430
4-Chlorotoluene	U		0.000263	0.00110	1	03/28/2018 00:40	WG1089430
1,2-Dibromo-3-Chloropropane	U UJ	J0	0.00115	0.00549	1	03/28/2018 00:40	WG1089430
1,2-Dibromoethane	U		0.000376	0.00110	1	03/28/2018 00:40	WG1089430
Dibromomethane	U		0.000419	0.00110	1	03/28/2018 00:40	WG1089430
1,2-Dichlorobenzene	U		0.000335	0.00110	1	03/28/2018 00:40	WG1089430
1,3-Dichlorobenzene	U		0.000262	0.00110	1	03/28/2018 00:40	WG1089430
1,4-Dichlorobenzene	U		0.000248	0.00110	1	03/28/2018 00:40	WG1089430
Dichlorodifluoromethane	U		0.000782	0.00549	1	03/28/2018 00:40	WG1089430
1,1-Dichloroethane	U		0.000218	0.00110	1	03/28/2018 00:40	WG1089430
1,2-Dichloroethane	U		0.000291	0.00110	1	03/28/2018 00:40	WG1089430
1,1-Dichloroethene	0.000478 J	J	0.000332	0.00110	1	03/28/2018 00:40	WG1089430
cis-1,2-Dichloroethene	0.117		0.000258	0.00110	1	03/28/2018 00:40	WG1089430
trans-1,2-Dichloroethene	0.00141		0.000290	0.00110	1	03/28/2018 00:40	WG1089430
1,2-Dichloropropane	U		0.000393	0.00110	1	03/28/2018 00:40	WG1089430
1,1-Dichloropropene	U		0.000348	0.00110	1	03/28/2018 00:40	WG1089430
1,3-Dichloropropane	U		0.000227	0.00110	1	03/28/2018 00:40	WG1089430
cis-1,3-Dichloropropene	U		0.000288	0.00110	1	03/28/2018 00:40	WG1089430
trans-1,3-Dichloropropene	U		0.000293	0.00110	1	03/28/2018 00:40	WG1089430
trans-1,4-Dichloro-2-butene	U UJ	J0	0.000854	0.00274	1	03/28/2018 00:40	WG1089430
2,2-Dichloropropane	U		0.000306	0.00110	1	03/28/2018 00:40	WG1089430
Di-isopropyl ether	U		0.000272	0.00110	1	03/28/2018 00:40	WG1089430
Ethylbenzene	U		0.000326	0.00110	1	03/28/2018 00:40	WG1089430
Hexachloro-1,3-butadiene	U		0.000375	0.00110	1	03/28/2018 00:40	WG1089430
2-Hexanone	U UJ	J0	0.00150	0.0110	1	03/28/2018 00:40	WG1089430
n-Hexane	U		0.000318	0.0110	1	03/28/2018 00:40	WG1089430
Iodomethane	U		0.00278	0.0110	1	03/28/2018 00:40	WG1089430
Isopropylbenzene	U		0.000267	0.00110	1	03/28/2018 00:40	WG1089430
p-Isopropyltoluene	U		0.000224	0.00110	1	03/28/2018 00:40	WG1089430
2-Butanone (MEK)	U		0.00514	0.0110	1	03/28/2018 00:40	WG1089430
Methylene Chloride	U		0.00110	0.00549	1	03/28/2018 00:40	WG1089430
4-Methyl-2-pentanone (MIBK)	U		0.00206	0.0110	1	03/28/2018 00:40	WG1089430

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000233	0.00110	1	03/28/2018 00:40	WG1089430
Naphthalene	U		0.00110	0.00549	1	03/28/2018 00:40	WG1089430
n-Propylbenzene	U		0.000226	0.00110	1	03/28/2018 00:40	WG1089430
Styrene	U		0.000257	0.00110	1	03/28/2018 00:40	WG1089430
1,1,1,2-Tetrachloroethane	U		0.000290	0.00110	1	03/28/2018 00:40	WG1089430
1,1,2,2-Tetrachloroethane	U		0.000401	0.00110	1	03/28/2018 00:40	WG1089430
1,1,2-Trichlorotrifluoroethane	U		0.000401	0.00110	1	03/28/2018 00:40	WG1089430
Tetrachloroethene	23.9		0.303	1.10	1000	03/28/2018 13:12	WG1089430
Toluene	0.000790 U	J	0.000476	0.00549	1	03/28/2018 00:40	WG1089430
1,2,3-Trichlorobenzene	U		0.000336	0.00110	1	03/28/2018 00:40	WG1089430
1,2,4-Trichlorobenzene	U		0.000426	0.00110	1	03/28/2018 00:40	WG1089430
1,1,1-Trichloroethane	U		0.000314	0.00110	1	03/28/2018 00:40	WG1089430
1,1,2-Trichloroethane	U		0.000304	0.00110	1	03/28/2018 00:40	WG1089430
Trichloroethene	0.105		0.000306	0.00110	1	03/28/2018 00:40	WG1089430
Trichlorofluoromethane	U UJ	J0 J4	0.000419	0.00549	1	03/28/2018 00:40	WG1089430
1,2,3-Trichloropropane	U		0.000813	0.00274	1	03/28/2018 00:40	WG1089430
1,2,4-Trimethylbenzene	U		0.000232	0.00110	1	03/28/2018 00:40	WG1089430
1,2,3-Trimethylbenzene	U		0.000315	0.00110	1	03/28/2018 00:40	WG1089430
1,3,5-Trimethylbenzene	U		0.000292	0.00110	1	03/28/2018 00:40	WG1089430
Vinyl acetate	U	J4	0.00262	0.0110	1	03/28/2018 00:40	WG1089430
Vinyl chloride	0.00354		0.000319	0.00110	1	03/28/2018 00:40	WG1089430
Xylenes, Total	U		0.000766	0.00329	1	03/28/2018 00:40	WG1089430
(S) Toluene-d8	*108*			*80.0-120*		*03/28/2018 13:12*	WG1089430
(S) Toluene-d8	*99.3*			*80.0-120*		*03/28/2018 00:40*	WG1089430
(S) Dibromofluoromethane	*104*			*74.0-131*		*03/28/2018 13:12*	WG1089430
(S) Dibromofluoromethane	*110*			*74.0-131*		*03/28/2018 00:40*	WG1089430
(S) 4-Bromofluorobenzene	*106*			*64.0-132*		*03/28/2018 00:40*	WG1089430
(S) 4-Bromofluorobenzene	*103*			*64.0-132*		*03/28/2018 13:12*	WG1089430

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Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	85.4		1	03/27/2018 15:23	WG1089691

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0117	0.0585	1	03/28/2018 01:01	WG1089430
Acrylonitrile	U		0.00209	0.0117	1	03/28/2018 01:01	WG1089430
Benzene	U		0.000316	0.00117	1	03/28/2018 01:01	WG1089430
Bromobenzene	U		0.000332	0.00117	1	03/28/2018 01:01	WG1089430
Bromodichloromethane	U		0.000297	0.00117	1	03/28/2018 01:01	WG1089430
Bromochloromethane	U		0.000456	0.00585	1	03/28/2018 01:01	WG1089430
Bromoform	U		0.000496	0.00117	1	03/28/2018 01:01	WG1089430
Bromomethane	U		0.00157	0.00585	1	03/28/2018 01:01	WG1089430
n-Butylbenzene	U		0.000302	0.00117	1	03/28/2018 01:01	WG1089430
sec-Butylbenzene	U		0.000235	0.00117	1	03/28/2018 01:01	WG1089430
tert-Butylbenzene	U		0.000241	0.00117	1	03/28/2018 01:01	WG1089430
Carbon disulfide	U		0.000259	0.00117	1	03/28/2018 01:01	WG1089430
Carbon tetrachloride	U		0.000384	0.00117	1	03/28/2018 01:01	WG1089430
Chlorobenzene	U		0.000248	0.00117	1	03/28/2018 01:01	WG1089430
Chlorodibromomethane	U		0.000437	0.00117	1	03/28/2018 01:01	WG1089430
Chloroethane	0.00257 J	J	0.00111	0.00585	1	03/28/2018 01:01	WG1089430
Chloroform	U		0.000268	0.00585	1	03/28/2018 01:01	WG1089430
Chloromethane	U		0.000439	0.00293	1	03/28/2018 01:01	WG1089430
2-Chlorotoluene	U		0.000352	0.00117	1	03/28/2018 01:01	WG1089430
4-Chlorotoluene	U		0.000281	0.00117	1	03/28/2018 01:01	WG1089430
1,2-Dibromo-3-Chloropropane	U UJ	J0	0.00123	0.00585	1	03/28/2018 01:01	WG1089430
1,2-Dibromoethane	U		0.000401	0.00117	1	03/28/2018 01:01	WG1089430
Dibromomethane	U		0.000447	0.00117	1	03/28/2018 01:01	WG1089430
1,2-Dichlorobenzene	U		0.000357	0.00117	1	03/28/2018 01:01	WG1089430
1,3-Dichlorobenzene	U		0.000280	0.00117	1	03/28/2018 01:01	WG1089430
1,4-Dichlorobenzene	U		0.000264	0.00117	1	03/28/2018 01:01	WG1089430
Dichlorodifluoromethane	U		0.000834	0.00585	1	03/28/2018 01:01	WG1089430
1,1-Dichloroethane	U		0.000233	0.00117	1	03/28/2018 01:01	WG1089430
1,2-Dichloroethane	U		0.000310	0.00117	1	03/28/2018 01:01	WG1089430
1,1-Dichloroethene	0.00248		0.000355	0.00117	1	03/28/2018 01:01	WG1089430
cis-1,2-Dichloroethene	0.319		0.00688	0.0293	25	03/28/2018 10:48	WG1089430
trans-1,2-Dichloroethene	0.00107 J	J	0.000309	0.00117	1	03/28/2018 01:01	WG1089430
1,2-Dichloropropane	U		0.000419	0.00117	1	03/28/2018 01:01	WG1089430
1,1-Dichloropropene	U		0.000371	0.00117	1	03/28/2018 01:01	WG1089430
1,3-Dichloropropane	U		0.000242	0.00117	1	03/28/2018 01:01	WG1089430
cis-1,3-Dichloropropene	U		0.000307	0.00117	1	03/28/2018 01:01	WG1089430
trans-1,3-Dichloropropene	U		0.000312	0.00117	1	03/28/2018 01:01	WG1089430
trans-1,4-Dichloro-2-butene	U UJ	J0	0.000910	0.00293	1	03/28/2018 01:01	WG1089430
2,2-Dichloropropane	U		0.000327	0.00117	1	03/28/2018 01:01	WG1089430
Di-isopropyl ether	U		0.000290	0.00117	1	03/28/2018 01:01	WG1089430
Ethylbenzene	U		0.000348	0.00117	1	03/28/2018 01:01	WG1089430
Hexachloro-1,3-butadiene	U		0.000400	0.00117	1	03/28/2018 01:01	WG1089430
2-Hexanone	U UJ	J0	0.00160	0.0117	1	03/28/2018 01:01	WG1089430
n-Hexane	U		0.000339	0.0117	1	03/28/2018 01:01	WG1089430
Iodomethane	U		0.00296	0.0117	1	03/28/2018 01:01	WG1089430
Isopropylbenzene	U		0.000284	0.00117	1	03/28/2018 01:01	WG1089430
p-Isopropyltoluene	U		0.000239	0.00117	1	03/28/2018 01:01	WG1089430
2-Butanone (MEK)	U		0.00548	0.0117	1	03/28/2018 01:01	WG1089430
Methylene Chloride	U		0.00117	0.00585	1	03/28/2018 01:01	WG1089430
4-Methyl-2-pentanone (MIBK)	U		0.00220	0.0117	1	03/28/2018 01:01	WG1089430

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1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000248	0.00117	1	03/28/2018 01:01	WG1089430
Naphthalene	U		0.00117	0.00585	1	03/28/2018 01:01	WG1089430
n-Propylbenzene	U		0.000241	0.00117	1	03/28/2018 01:01	WG1089430
Styrene	U		0.000274	0.00117	1	03/28/2018 01:01	WG1089430
1,1,1,2-Tetrachloroethane	U		0.000309	0.00117	1	03/28/2018 01:01	WG1089430
1,1,2,2-Tetrachloroethane	U		0.000427	0.00117	1	03/28/2018 01:01	WG1089430
1,1,2-Trichlorotrifluoroethane	U		0.000427	0.00117	1	03/28/2018 01:01	WG1089430
Tetrachloroethene	4.80		0.0323	0.117	100	03/28/2018 12:32	WG1089430
Toluene	U		0.000508	0.00585	1	03/28/2018 01:01	WG1089430
1,2,3-Trichlorobenzene	U		0.000358	0.00117	1	03/28/2018 01:01	WG1089430
1,2,4-Trichlorobenzene	U		0.000454	0.00117	1	03/28/2018 01:01	WG1089430
1,1,1-Trichloroethane	U		0.000335	0.00117	1	03/28/2018 01:01	WG1089430
1,1,2-Trichloroethane	U		0.000324	0.00117	1	03/28/2018 01:01	WG1089430
Trichloroethene	0.109		0.000327	0.00117	1	03/28/2018 01:01	WG1089430
Trichlorofluoromethane	U UJ	J0 J4	0.000447	0.00585	1	03/28/2018 01:01	WG1089430
1,2,3-Trichloropropane	U		0.000867	0.00293	1	03/28/2018 01:01	WG1089430
1,2,4-Trimethylbenzene	U		0.000247	0.00117	1	03/28/2018 01:01	WG1089430
1,2,3-Trimethylbenzene	U		0.000336	0.00117	1	03/28/2018 01:01	WG1089430
1,3,5-Trimethylbenzene	U		0.000311	0.00117	1	03/28/2018 01:01	WG1089430
Vinyl acetate	U	J4	0.00280	0.0117	1	03/28/2018 01:01	WG1089430
Vinyl chloride	0.0350		0.000341	0.00117	1	03/28/2018 01:01	WG1089430
Xylenes, Total	U		0.000817	0.00351	1	03/28/2018 01:01	WG1089430
(S) Toluene-d8	*110*			*80.0-120*		*03/28/2018 12:32*	WG1089430
(S) Toluene-d8	*102*			*80.0-120*		*03/28/2018 01:01*	WG1089430
(S) Toluene-d8	*111*			*80.0-120*		*03/28/2018 10:48*	WG1089430
(S) Dibromofluoromethane	*114*			*74.0-131*		*03/28/2018 01:01*	WG1089430
(S) Dibromofluoromethane	*102*			*74.0-131*		*03/28/2018 12:32*	WG1089430
(S) Dibromofluoromethane	*102*			*74.0-131*		*03/28/2018 10:48*	WG1089430
(S) 4-Bromofluorobenzene	*102*			*64.0-132*		*03/28/2018 10:48*	WG1089430
(S) 4-Bromofluorobenzene	*101*			*64.0-132*		*03/28/2018 12:32*	WG1089430
(S) 4-Bromofluorobenzene	*108*			*64.0-132*		*03/28/2018 01:01*	WG1089430

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IW-903-60

Collected date/time: 03/19/18 13:45

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	89.1		1	03/27/2018 09:07	WG1089692

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.0137 U	J	0.0112	0.0561	1	03/28/2018 01:22	WG1089430
Acrylonitrile	U		0.00201	0.0112	1	03/28/2018 01:22	WG1089430
Benzene	U		0.000303	0.00112	1	03/28/2018 01:22	WG1089430
Bromobenzene	U		0.000319	0.00112	1	03/28/2018 01:22	WG1089430
Bromodichloromethane	U		0.000285	0.00112	1	03/28/2018 01:22	WG1089430
Bromochloromethane	U		0.000438	0.00561	1	03/28/2018 01:22	WG1089430
Bromoform	U		0.000476	0.00112	1	03/28/2018 01:22	WG1089430
Bromomethane	U		0.00150	0.00561	1	03/28/2018 01:22	WG1089430
n-Butylbenzene	U		0.000290	0.00112	1	03/28/2018 01:22	WG1089430
sec-Butylbenzene	U		0.000226	0.00112	1	03/28/2018 01:22	WG1089430
tert-Butylbenzene	U		0.000231	0.00112	1	03/28/2018 01:22	WG1089430
Carbon disulfide	0.00319		0.000248	0.00112	1	03/28/2018 01:22	WG1089430
Carbon tetrachloride	U		0.000368	0.00112	1	03/28/2018 01:22	WG1089430
Chlorobenzene	U		0.000238	0.00112	1	03/28/2018 01:22	WG1089430
Chlorodibromomethane	U		0.000419	0.00112	1	03/28/2018 01:22	WG1089430
Chloroethane	U		0.00106	0.00561	1	03/28/2018 01:22	WG1089430
Chloroform	U		0.000257	0.00561	1	03/28/2018 01:22	WG1089430
Chloromethane	U		0.000421	0.00281	1	03/28/2018 01:22	WG1089430
2-Chlorotoluene	U		0.000338	0.00112	1	03/28/2018 01:22	WG1089430
4-Chlorotoluene	U		0.000269	0.00112	1	03/28/2018 01:22	WG1089430
1,2-Dibromo-3-Chloropropane	U UJ	J0	0.00118	0.00561	1	03/28/2018 01:22	WG1089430
1,2-Dibromoethane	U		0.000385	0.00112	1	03/28/2018 01:22	WG1089430
Dibromomethane	U		0.000429	0.00112	1	03/28/2018 01:22	WG1089430
1,2-Dichlorobenzene	U		0.000342	0.00112	1	03/28/2018 01:22	WG1089430
1,3-Dichlorobenzene	U		0.000268	0.00112	1	03/28/2018 01:22	WG1089430
1,4-Dichlorobenzene	U		0.000254	0.00112	1	03/28/2018 01:22	WG1089430
Dichlorodifluoromethane	U		0.000800	0.00561	1	03/28/2018 01:22	WG1089430
1,1-Dichloroethane	U		0.000223	0.00112	1	03/28/2018 01:22	WG1089430
1,2-Dichloroethane	U		0.000298	0.00112	1	03/28/2018 01:22	WG1089430
1,1-Dichloroethene	0.00766		0.000340	0.00112	1	03/28/2018 01:22	WG1089430
cis-1,2-Dichloroethene	3.68		0.0132	0.0561	50	03/28/2018 11:08	WG1089430
trans-1,2-Dichloroethene	0.0182		0.000296	0.00112	1	03/28/2018 01:22	WG1089430
1,2-Dichloropropane	U		0.000402	0.00112	1	03/28/2018 01:22	WG1089430
1,1-Dichloropropene	U		0.000356	0.00112	1	03/28/2018 01:22	WG1089430
1,3-Dichloropropane	U		0.000232	0.00112	1	03/28/2018 01:22	WG1089430
cis-1,3-Dichloropropene	U		0.000294	0.00112	1	03/28/2018 01:22	WG1089430
trans-1,3-Dichloropropene	U		0.000300	0.00112	1	03/28/2018 01:22	WG1089430
trans-1,4-Dichloro-2-butene	U UJ	J0	0.000873	0.00281	1	03/28/2018 01:22	WG1089430
2,2-Dichloropropane	U		0.000313	0.00112	1	03/28/2018 01:22	WG1089430
Di-isopropyl ether	U		0.000278	0.00112	1	03/28/2018 01:22	WG1089430
Ethylbenzene	U		0.000333	0.00112	1	03/28/2018 01:22	WG1089430
Hexachloro-1,3-butadiene	U		0.000384	0.00112	1	03/28/2018 01:22	WG1089430
2-Hexanone	U UJ	J0	0.00154	0.0112	1	03/28/2018 01:22	WG1089430
n-Hexane	U		0.000326	0.00112	1	03/28/2018 01:22	WG1089430
Iodomethane	U		0.00284	0.0112	1	03/28/2018 01:22	WG1089430
Isopropylbenzene	U		0.000273	0.00112	1	03/28/2018 01:22	WG1089430
p-Isopropyltoluene	U		0.000229	0.00112	1	03/28/2018 01:22	WG1089430
2-Butanone (MEK)	U		0.00525	0.0112	1	03/28/2018 01:22	WG1089430
Methylene Chloride	U		0.00112	0.00561	1	03/28/2018 01:22	WG1089430
4-Methyl-2-pentanone (MIBK)	U		0.00211	0.0112	1	03/28/2018 01:22	WG1089430

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000238	0.00112	1	03/28/2018 01:22	WG1089430
Naphthalene	U		0.00112	0.00561	1	03/28/2018 01:22	WG1089430
n-Propylbenzene	U		0.000231	0.00112	1	03/28/2018 01:22	WG1089430
Styrene	U		0.000263	0.00112	1	03/28/2018 01:22	WG1089430
1,1,1,2-Tetrachloroethane	U		0.000296	0.00112	1	03/28/2018 01:22	WG1089430
1,1,2,2-Tetrachloroethane	U		0.000410	0.00112	1	03/28/2018 01:22	WG1089430
1,1,2-Trichlorotrifluoroethane	U		0.000410	0.00112	1	03/28/2018 01:22	WG1089430
Tetrachloroethene	20.3 J		0.155	0.561	500	03/28/2018 12:52	WG1089430
Toluene	U		0.000487	0.00561	1	03/28/2018 01:22	WG1089430
1,2,3-Trichlorobenzene	U		0.000344	0.00112	1	03/28/2018 01:22	WG1089430
1,2,4-Trichlorobenzene	U		0.000436	0.00112	1	03/28/2018 01:22	WG1089430
1,1,1-Trichloroethane	U		0.000321	0.00112	1	03/28/2018 01:22	WG1089430
1,1,2-Trichloroethane	U		0.000311	0.00112	1	03/28/2018 01:22	WG1089430
Trichloroethene	4.58		0.0157	0.0561	50	03/28/2018 11:08	WG1089430
Trichlorofluoromethane	U UJ	J0 J4	0.000429	0.00561	1	03/28/2018 01:22	WG1089430
1,2,3-Trichloropropane	U		0.000832	0.00281	1	03/28/2018 01:22	WG1089430
1,2,4-Trimethylbenzene	U		0.000237	0.00112	1	03/28/2018 01:22	WG1089430
1,2,3-Trimethylbenzene	U		0.000322	0.00112	1	03/28/2018 01:22	WG1089430
1,3,5-Trimethylbenzene	U		0.000299	0.00112	1	03/28/2018 01:22	WG1089430
Vinyl acetate	U	J4	0.00268	0.0112	1	03/28/2018 01:22	WG1089430
Vinyl chloride	0.280		0.0164	0.0561	50	03/28/2018 11:08	WG1089430
Xylenes, Total	U		0.000784	0.00337	1	03/28/2018 01:22	WG1089430
(S) Toluene-d8	*106*			*80.0-120*		*03/28/2018 12:52*	WG1089430
(S) Toluene-d8	*106*			*80.0-120*		*03/28/2018 11:08*	WG1089430
(S) Toluene-d8	*98.7*			*80.0-120*		*03/28/2018 01:22*	WG1089430
(S) Dibromofluoromethane	*105*			*74.0-131*		*03/28/2018 12:52*	WG1089430
(S) Dibromofluoromethane	*115*			*74.0-131*		*03/28/2018 01:22*	WG1089430
(S) Dibromofluoromethane	*101*			*74.0-131*		*03/28/2018 11:08*	WG1089430
(S) 4-Bromofluorobenzene	*102*			*64.0-132*		*03/28/2018 12:52*	WG1089430
(S) 4-Bromofluorobenzene	*112*			*64.0-132*		*03/28/2018 01:22*	WG1089430
(S) 4-Bromofluorobenzene	*104*			*64.0-132*		*03/28/2018 11:08*	WG1089430

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	9.49	J J0	1.05	25.0	1	03/22/2018 15:05	WG1088093
Acrylonitrile	U		0.873	5.00	1	03/22/2018 15:05	WG1088093
Benzene	U		0.0896	0.500	1	03/22/2018 15:05	WG1088093
Bromobenzene	U		0.133	0.500	1	03/22/2018 15:05	WG1088093
Bromodichloromethane	U		0.0800	0.500	1	03/22/2018 15:05	WG1088093
Bromochloromethane	U		0.145	0.500	1	03/22/2018 15:05	WG1088093
Bromoform	U		0.186	0.500	1	03/22/2018 15:05	WG1088093
Bromomethane	U		0.157	2.50	1	03/22/2018 15:05	WG1088093
n-Butylbenzene	U		0.143	0.500	1	03/22/2018 15:05	WG1088093
sec-Butylbenzene	U		0.134	0.500	1	03/22/2018 15:05	WG1088093
tert-Butylbenzene	U		0.183	0.500	1	03/22/2018 15:05	WG1088093
Carbon disulfide	U		0.101	0.500	1	03/22/2018 15:05	WG1088093
Carbon tetrachloride	U		0.159	0.500	1	03/22/2018 15:05	WG1088093
Chlorobenzene	U		0.140	0.500	1	03/22/2018 15:05	WG1088093
Chlorodibromomethane	U		0.128	0.500	1	03/22/2018 15:05	WG1088093
Chloroethane	U		0.141	2.50	1	03/22/2018 15:05	WG1088093
Chloroform	U		0.0860	0.500	1	03/22/2018 15:05	WG1088093
Chloromethane	U		0.153	1.25	1	03/22/2018 15:05	WG1088093
2-Chlorotoluene	U		0.111	0.500	1	03/22/2018 15:05	WG1088093
4-Chlorotoluene	U		0.0972	0.500	1	03/22/2018 15:05	WG1088093
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	03/22/2018 15:05	WG1088093
1,2-Dibromoethane	U		0.193	0.500	1	03/22/2018 15:05	WG1088093
Dibromomethane	U		0.117	0.500	1	03/22/2018 15:05	WG1088093
1,2-Dichlorobenzene	U		0.101	0.500	1	03/22/2018 15:05	WG1088093
1,3-Dichlorobenzene	U		0.130	0.500	1	03/22/2018 15:05	WG1088093
1,4-Dichlorobenzene	U		0.121	0.500	1	03/22/2018 15:05	WG1088093
Dichlorodifluoromethane	U		0.127	2.50	1	03/22/2018 15:05	WG1088093
1,1-Dichloroethane	U		0.114	0.500	1	03/22/2018 15:05	WG1088093
1,2-Dichloroethane	U		0.108	0.500	1	03/22/2018 15:05	WG1088093
1,1-Dichloroethene	U		0.188	0.500	1	03/22/2018 15:05	WG1088093
cis-1,2-Dichloroethene	0.209	J	0.0933	0.500	1	03/22/2018 15:05	WG1088093
trans-1,2-Dichloroethene	U		0.152	0.500	1	03/22/2018 15:05	WG1088093
1,2-Dichloropropane	U		0.190	0.500	1	03/22/2018 15:05	WG1088093
1,1-Dichloropropene	U		0.128	0.500	1	03/22/2018 15:05	WG1088093
1,3-Dichloropropane	U		0.147	1.00	1	03/22/2018 15:05	WG1088093
cis-1,3-Dichloropropene	U		0.0976	0.500	1	03/22/2018 15:05	WG1088093
trans-1,3-Dichloropropene	U		0.222	0.500	1	03/22/2018 15:05	WG1088093
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	03/22/2018 15:05	WG1088093
2,2-Dichloropropane	U		0.0929	0.500	1	03/22/2018 15:05	WG1088093
Di-isopropyl ether	U		0.0924	0.500	1	03/22/2018 15:05	WG1088093
Ethylbenzene	U		0.158	0.500	1	03/22/2018 15:05	WG1088093
Hexachloro-1,3-butadiene	U		0.157	1.00	1	03/22/2018 15:05	WG1088093
2-Hexanone	U		0.757	5.00	1	03/22/2018 15:05	WG1088093
n-Hexane	U		0.305	5.00	1	03/22/2018 15:05	WG1088093
Iodomethane	U		0.377	10.0	1	03/22/2018 15:05	WG1088093
Isopropylbenzene	U		0.126	0.500	1	03/22/2018 15:05	WG1088093
p-Isopropyltoluene	U		0.138	0.500	1	03/22/2018 15:05	WG1088093
2-Butanone (MEK)	U		1.28	5.00	1	03/22/2018 15:05	WG1088093
Methylene Chloride	U		1.07	2.50	1	03/22/2018 15:05	WG1088093
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	03/22/2018 15:05	WG1088093
Methyl tert-butyl ether	U		0.102	0.500	1	03/22/2018 15:05	WG1088093
Naphthalene	U		0.174	2.50	1	03/22/2018 15:05	WG1088093
n-Propylbenzene	U		0.162	0.500	1	03/22/2018 15:05	WG1088093
Styrene	U		0.117	0.500	1	03/22/2018 15:05	WG1088093
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	03/22/2018 15:05	WG1088093
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	03/22/2018 15:05	WG1088093

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	03/22/2018 15:05	WG1088093
Tetrachloroethene	U		0.199	0.500	1	03/22/2018 15:05	WG1088093
Toluene	0.466	J	0.412	0.500	1	03/22/2018 15:05	WG1088093
1,2,3-Trichlorobenzene	U		0.164	0.500	1	03/22/2018 15:05	WG1088093
1,2,4-Trichlorobenzene	U		0.355	0.500	1	03/22/2018 15:05	WG1088093
1,1,1-Trichloroethane	U		0.0940	0.500	1	03/22/2018 15:05	WG1088093
1,1,2-Trichloroethane	U		0.186	0.500	1	03/22/2018 15:05	WG1088093
Trichloroethene	U		0.153	0.500	1	03/22/2018 15:05	WG1088093
Trichlorofluoromethane	U		0.130	2.50	1	03/22/2018 15:05	WG1088093
1,2,3-Trichloropropane	U		0.247	2.50	1	03/22/2018 15:05	WG1088093
1,2,4-Trimethylbenzene	U		0.123	0.500	1	03/22/2018 15:05	WG1088093
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	03/22/2018 15:05	WG1088093
1,3,5-Trimethylbenzene	U		0.124	0.500	1	03/22/2018 15:05	WG1088093
Vinyl acetate	U		0.645	5.00	1	03/22/2018 15:05	WG1088093
Vinyl chloride	U		0.118	0.500	1	03/22/2018 15:05	WG1088093
Xylenes, Total	U		0.316	1.50	1	03/22/2018 15:05	WG1088093
(S) Toluene-d8	*103*			*80.0-120*		*03/22/2018 15:05*	WG1088093
(S) Dibromofluoromethane	*102*			*76.0-123*		*03/22/2018 15:05*	WG1088093
(S) 4-Bromofluorobenzene	*102*			*80.0-120*		*03/22/2018 15:05*	WG1088093

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

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Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	89.0		1	03/27/2018 09:07	WG1089692

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U UJ	J0	0.0112	0.0562	1	03/28/2018 13:43	WG1090297
Acrylonitrile	U		0.00201	0.0112	1	03/28/2018 13:43	WG1090297
Benzene	U		0.000303	0.00112	1	03/28/2018 13:43	WG1090297
Bromobenzene	U		0.000319	0.00112	1	03/28/2018 13:43	WG1090297
Bromodichloromethane	U		0.000285	0.00112	1	03/28/2018 13:43	WG1090297
Bromochloromethane	U		0.000438	0.00562	1	03/28/2018 13:43	WG1090297
Bromoform	U UJ	J0	0.000476	0.00112	1	03/28/2018 13:43	WG1090297
Bromomethane	U		0.00151	0.00562	1	03/28/2018 13:43	WG1090297
n-Butylbenzene	U		0.000290	0.00112	1	03/28/2018 13:43	WG1090297
sec-Butylbenzene	U		0.000226	0.00112	1	03/28/2018 13:43	WG1090297
tert-Butylbenzene	U		0.000232	0.00112	1	03/28/2018 13:43	WG1090297
Carbon disulfide	0.000321 U	B J J0	0.000248	0.00112	1	03/28/2018 13:43	WG1090297
Carbon tetrachloride	U		0.000369	0.00112	1	03/28/2018 13:43	WG1090297
Chlorobenzene	U		0.000238	0.00112	1	03/28/2018 13:43	WG1090297
Chlorodibromomethane	U		0.000419	0.00112	1	03/28/2018 13:43	WG1090297
Chloroethane	U		0.00106	0.00562	1	03/28/2018 13:43	WG1090297
Chloroform	U		0.000257	0.00562	1	03/28/2018 13:43	WG1090297
Chloromethane	U UJ	J0	0.000421	0.00281	1	03/28/2018 13:43	WG1090297
2-Chlorotoluene	U		0.000338	0.00112	1	03/28/2018 13:43	WG1090297
4-Chlorotoluene	U		0.000270	0.00112	1	03/28/2018 13:43	WG1090297
1,2-Dibromo-3-Chloropropane	U		0.00118	0.00562	1	03/28/2018 13:43	WG1090297
1,2-Dibromoethane	U		0.000385	0.00112	1	03/28/2018 13:43	WG1090297
Dibromomethane	U		0.000429	0.00112	1	03/28/2018 13:43	WG1090297
1,2-Dichlorobenzene	U		0.000343	0.00112	1	03/28/2018 13:43	WG1090297
1,3-Dichlorobenzene	U		0.000269	0.00112	1	03/28/2018 13:43	WG1090297
1,4-Dichlorobenzene	U		0.000254	0.00112	1	03/28/2018 13:43	WG1090297
Dichlorodifluoromethane	U UJ	J0	0.000801	0.00562	1	03/28/2018 13:43	WG1090297
1,1-Dichloroethane	U		0.000224	0.00112	1	03/28/2018 13:43	WG1090297
1,2-Dichloroethane	U		0.000298	0.00112	1	03/28/2018 13:43	WG1090297
1,1-Dichloroethene	0.000605 J	J	0.000341	0.00112	1	03/28/2018 13:43	WG1090297
cis-1,2-Dichloroethene	0.107		0.000264	0.00112	1	03/28/2018 13:43	WG1090297
trans-1,2-Dichloroethene	0.000461 J	J	0.000297	0.00112	1	03/28/2018 13:43	WG1090297
1,2-Dichloropropane	U		0.000402	0.00112	1	03/28/2018 13:43	WG1090297
1,1-Dichloropropene	U		0.000356	0.00112	1	03/28/2018 13:43	WG1090297
1,3-Dichloropropane	U		0.000233	0.00112	1	03/28/2018 13:43	WG1090297
cis-1,3-Dichloropropene	U		0.000294	0.00112	1	03/28/2018 13:43	WG1090297
trans-1,3-Dichloropropene	U		0.000300	0.00112	1	03/28/2018 13:43	WG1090297
trans-1,4-Dichloro-2-butene	U UJ	J0	0.000874	0.00281	1	03/28/2018 13:43	WG1090297
2,2-Dichloropropane	U		0.000314	0.00112	1	03/28/2018 13:43	WG1090297
Di-isopropyl ether	U		0.000279	0.00112	1	03/28/2018 13:43	WG1090297
Ethylbenzene	U		0.000334	0.00112	1	03/28/2018 13:43	WG1090297
Hexachloro-1,3-butadiene	U		0.000384	0.00112	1	03/28/2018 13:43	WG1090297
2-Hexanone	U		0.00154	0.0112	1	03/28/2018 13:43	WG1090297
n-Hexane	0.000939 J	J J0	0.000326	0.0112	1	03/28/2018 13:43	WG1090297
Iodomethane	U		0.00284	0.0112	1	03/28/2018 13:43	WG1090297
Isopropylbenzene	U		0.000273	0.00112	1	03/28/2018 13:43	WG1090297
p-Isopropyltoluene	U		0.000229	0.00112	1	03/28/2018 13:43	WG1090297
2-Butanone (MEK)	U UJ	J0	0.00526	0.0112	1	03/28/2018 13:43	WG1090297
Methylene Chloride	U		0.00112	0.00562	1	03/28/2018 13:43	WG1090297
4-Methyl-2-pentanone (MIBK)	U		0.00211	0.0112	1	03/28/2018 13:43	WG1090297

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000238	0.00112	1	03/28/2018 13:43	WG1090297
Naphthalene	U		0.00112	0.00562	1	03/28/2018 13:43	WG1090297
n-Propylbenzene	U		0.000232	0.00112	1	03/28/2018 13:43	WG1090297
Styrene	U		0.000263	0.00112	1	03/28/2018 13:43	WG1090297
1,1,1,2-Tetrachloroethane	U		0.000297	0.00112	1	03/28/2018 13:43	WG1090297
1,1,2,2-Tetrachloroethane	U		0.000410	0.00112	1	03/28/2018 13:43	WG1090297
1,1,2-Trichlorotrifluoroethane	U		0.000410	0.00112	1	03/28/2018 13:43	WG1090297
Tetrachloroethene	2.56		0.0155	0.0562	50	03/28/2018 17:06	WG1090297
Toluene	U		0.000488	0.00562	1	03/28/2018 13:43	WG1090297
1,2,3-Trichlorobenzene	U		0.000344	0.00112	1	03/28/2018 13:43	WG1090297
1,2,4-Trichlorobenzene	U		0.000436	0.00112	1	03/28/2018 13:43	WG1090297
1,1,1-Trichloroethane	U		0.000321	0.00112	1	03/28/2018 13:43	WG1090297
1,1,2-Trichloroethane	U		0.000311	0.00112	1	03/28/2018 13:43	WG1090297
Trichloroethene	0.0560		0.000314	0.00112	1	03/28/2018 13:43	WG1090297
Trichlorofluoromethane	U		0.000429	0.00562	1	03/28/2018 13:43	WG1090297
1,2,3-Trichloropropane	U		0.000833	0.00281	1	03/28/2018 13:43	WG1090297
1,2,4-Trimethylbenzene	U		0.000237	0.00112	1	03/28/2018 13:43	WG1090297
1,2,3-Trimethylbenzene	U		0.000323	0.00112	1	03/28/2018 13:43	WG1090297
1,3,5-Trimethylbenzene	U		0.000299	0.00112	1	03/28/2018 13:43	WG1090297
Vinyl acetate	U		0.00269	0.0112	1	03/28/2018 13:43	WG1090297
Vinyl chloride	0.0153		0.000327	0.00112	1	03/28/2018 13:43	WG1090297
Xylenes, Total	U		0.000784	0.00337	1	03/28/2018 13:43	WG1090297
(S) Toluene-d8	*113*			*80.0-120*		*03/28/2018 17:06*	WG1090297
(S) Toluene-d8	*106*			*80.0-120*		*03/28/2018 13:43*	WG1090297
(S) Dibromofluoromethane	*102*			*74.0-131*		*03/28/2018 17:06*	WG1090297
(S) Dibromofluoromethane	*100*			*74.0-131*		*03/28/2018 13:43*	WG1090297
(S) 4-Bromofluorobenzene	*88.3*			*64.0-132*		*03/28/2018 17:06*	WG1090297
(S) 4-Bromofluorobenzene	*92.0*			*64.0-132*		*03/28/2018 13:43*	WG1090297

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Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	89.6		1	03/27/2018 09:07	WG1089692

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U UJ	J0	0.0112	0.0558	1	03/28/2018 14:03	WG1090297
Acrylonitrile	U		0.00200	0.0112	1	03/28/2018 14:03	WG1090297
Benzene	U		0.000301	0.00112	1	03/28/2018 14:03	WG1090297
Bromobenzene	U		0.000317	0.00112	1	03/28/2018 14:03	WG1090297
Bromodichloromethane	U		0.000283	0.00112	1	03/28/2018 14:03	WG1090297
Bromochloromethane	U		0.000435	0.00558	1	03/28/2018 14:03	WG1090297
Bromoform	U UJ	J0	0.000473	0.00112	1	03/28/2018 14:03	WG1090297
Bromomethane	U		0.00149	0.00558	1	03/28/2018 14:03	WG1090297
n-Butylbenzene	U		0.000288	0.00112	1	03/28/2018 14:03	WG1090297
sec-Butylbenzene	U		0.000224	0.00112	1	03/28/2018 14:03	WG1090297
tert-Butylbenzene	U		0.000230	0.00112	1	03/28/2018 14:03	WG1090297
Carbon disulfide	0.000576 U	B J J0	0.000247	0.00112	1	03/28/2018 14:03	WG1090297
Carbon tetrachloride	U		0.000366	0.00112	1	03/28/2018 14:03	WG1090297
Chlorobenzene	U		0.000236	0.00112	1	03/28/2018 14:03	WG1090297
Chlorodibromomethane	U		0.000416	0.00112	1	03/28/2018 14:03	WG1090297
Chloroethane	U		0.00106	0.00558	1	03/28/2018 14:03	WG1090297
Chloroform	U		0.000255	0.00558	1	03/28/2018 14:03	WG1090297
Chloromethane	0.00114 UJ	J J0	0.000418	0.00279	1	03/28/2018 14:03	WG1090297
2-Chlorotoluene	U		0.000336	0.00112	1	03/28/2018 14:03	WG1090297
4-Chlorotoluene	U		0.000268	0.00112	1	03/28/2018 14:03	WG1090297
1,2-Dibromo-3-Chloropropane	U		0.00117	0.00558	1	03/28/2018 14:03	WG1090297
1,2-Dibromoethane	U		0.000383	0.00112	1	03/28/2018 14:03	WG1090297
Dibromomethane	U		0.000426	0.00112	1	03/28/2018 14:03	WG1090297
1,2-Dichlorobenzene	U		0.000340	0.00112	1	03/28/2018 14:03	WG1090297
1,3-Dichlorobenzene	U		0.000267	0.00112	1	03/28/2018 14:03	WG1090297
1,4-Dichlorobenzene	U		0.000252	0.00112	1	03/28/2018 14:03	WG1090297
Dichlorodifluoromethane	U UJ	J0	0.000795	0.00558	1	03/28/2018 14:03	WG1090297
1,1-Dichloroethane	U		0.000222	0.00112	1	03/28/2018 14:03	WG1090297
1,2-Dichloroethane	U		0.000296	0.00112	1	03/28/2018 14:03	WG1090297
1,1-Dichloroethene	U		0.000338	0.00112	1	03/28/2018 14:03	WG1090297
cis-1,2-Dichloroethene	0.00401		0.000262	0.00112	1	03/28/2018 14:03	WG1090297
trans-1,2-Dichloroethene	U		0.000294	0.00112	1	03/28/2018 14:03	WG1090297
1,2-Dichloropropane	U		0.000399	0.00112	1	03/28/2018 14:03	WG1090297
1,1-Dichloropropene	U		0.000354	0.00112	1	03/28/2018 14:03	WG1090297
1,3-Dichloropropane	U		0.000231	0.00112	1	03/28/2018 14:03	WG1090297
cis-1,3-Dichloropropene	U		0.000292	0.00112	1	03/28/2018 14:03	WG1090297
trans-1,3-Dichloropropene	U		0.000298	0.00112	1	03/28/2018 14:03	WG1090297
trans-1,4-Dichloro-2-butene	U UJ	J0	0.000868	0.00279	1	03/28/2018 14:03	WG1090297
2,2-Dichloropropane	U		0.000311	0.00112	1	03/28/2018 14:03	WG1090297
Di-isopropyl ether	U UJ	J0	0.000277	0.00112	1	03/28/2018 14:03	WG1090297
Ethylbenzene	U		0.000331	0.00112	1	03/28/2018 14:03	WG1090297
Hexachloro-1,3-butadiene	U		0.000381	0.00112	1	03/28/2018 14:03	WG1090297
2-Hexanone	U		0.00153	0.0112	1	03/28/2018 14:03	WG1090297
n-Hexane	U UJ	J0	0.000323	0.0112	1	03/28/2018 14:03	WG1090297
Iodomethane	U		0.00282	0.0112	1	03/28/2018 14:03	WG1090297
Isopropylbenzene	U		0.000271	0.00112	1	03/28/2018 14:03	WG1090297
p-Isopropyltoluene	U		0.000228	0.00112	1	03/28/2018 14:03	WG1090297
2-Butanone (MEK)	U UJ	J0	0.00522	0.0112	1	03/28/2018 14:03	WG1090297
Methylene Chloride	U		0.00112	0.00558	1	03/28/2018 14:03	WG1090297
4-Methyl-2-pentanone (MIBK)	U		0.00210	0.0112	1	03/28/2018 14:03	WG1090297

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000236	0.00112	1	03/28/2018 14:03	WG1090297
Naphthalene	U		0.00112	0.00558	1	03/28/2018 14:03	WG1090297
n-Propylbenzene	U		0.000230	0.00112	1	03/28/2018 14:03	WG1090297
Styrene	U		0.000261	0.00112	1	03/28/2018 14:03	WG1090297
1,1,1,2-Tetrachloroethane	U		0.000294	0.00112	1	03/28/2018 14:03	WG1090297
1,1,2,2-Tetrachloroethane	U		0.000407	0.00112	1	03/28/2018 14:03	WG1090297
1,1,2-Trichlorotrifluoroethane	U		0.000407	0.00112	1	03/28/2018 14:03	WG1090297
Tetrachloroethene	0.0249		0.000308	0.00112	1	03/28/2018 14:03	WG1090297
Toluene	U		0.000484	0.00558	1	03/28/2018 14:03	WG1090297
1,2,3-Trichlorobenzene	U		0.000341	0.00112	1	03/28/2018 14:03	WG1090297
1,2,4-Trichlorobenzene	U		0.000433	0.00112	1	03/28/2018 14:03	WG1090297
1,1,1-Trichloroethane	U		0.000319	0.00112	1	03/28/2018 14:03	WG1090297
1,1,2-Trichloroethane	U		0.000309	0.00112	1	03/28/2018 14:03	WG1090297
Trichloroethene	0.00131		0.000311	0.00112	1	03/28/2018 14:03	WG1090297
Trichlorofluoromethane	U		0.000426	0.00558	1	03/28/2018 14:03	WG1090297
1,2,3-Trichloropropane	U		0.000827	0.00279	1	03/28/2018 14:03	WG1090297
1,2,4-Trimethylbenzene	U		0.000235	0.00112	1	03/28/2018 14:03	WG1090297
1,2,3-Trimethylbenzene	U		0.000320	0.00112	1	03/28/2018 14:03	WG1090297
1,3,5-Trimethylbenzene	U		0.000297	0.00112	1	03/28/2018 14:03	WG1090297
Vinyl acetate	U		0.00267	0.0112	1	03/28/2018 14:03	WG1090297
Vinyl chloride	0.00106 J	J	0.000325	0.00112	1	03/28/2018 14:03	WG1090297
Xylenes, Total	U		0.000779	0.00335	1	03/28/2018 14:03	WG1090297
(S) Toluene-d8	*105*			*80.0-120*		*03/28/2018 14:03*	WG1090297
(S) Dibromofluoromethane	*102*			*74.0-131*		*03/28/2018 14:03*	WG1090297
(S) 4-Bromofluorobenzene	*90.9*			*64.0-132*		*03/28/2018 14:03*	WG1090297

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Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	89.7		1	03/27/2018 09:07	WG1089692

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U UJ	J0	0.0111	0.0557	1	03/28/2018 14:22	WG1090297
Acrylonitrile	U		0.00200	0.0111	1	03/28/2018 14:22	WG1090297
Benzene	U		0.000301	0.00111	1	03/28/2018 14:22	WG1090297
Bromobenzene	U		0.000317	0.00111	1	03/28/2018 14:22	WG1090297
Bromodichloromethane	U		0.000283	0.00111	1	03/28/2018 14:22	WG1090297
Bromochloromethane	U		0.000435	0.00557	1	03/28/2018 14:22	WG1090297
Bromoform	U UJ	J0	0.000473	0.00111	1	03/28/2018 14:22	WG1090297
Bromomethane	U		0.00149	0.00557	1	03/28/2018 14:22	WG1090297
n-Butylbenzene	U		0.000288	0.00111	1	03/28/2018 14:22	WG1090297
sec-Butylbenzene	U		0.000224	0.00111	1	03/28/2018 14:22	WG1090297
tert-Butylbenzene	U		0.000230	0.00111	1	03/28/2018 14:22	WG1090297
Carbon disulfide	0.000507 U	B J J0	0.000246	0.00111	1	03/28/2018 14:22	WG1090297
Carbon tetrachloride	U		0.000366	0.00111	1	03/28/2018 14:22	WG1090297
Chlorobenzene	U		0.000236	0.00111	1	03/28/2018 14:22	WG1090297
Chlorodibromomethane	U		0.000416	0.00111	1	03/28/2018 14:22	WG1090297
Chloroethane	U		0.00105	0.00557	1	03/28/2018 14:22	WG1090297
Chloroform	U		0.000255	0.00557	1	03/28/2018 14:22	WG1090297
Chloromethane	0.00149 J	J J0	0.000418	0.00279	1	03/28/2018 14:22	WG1090297
2-Chlorotoluene	U		0.000335	0.00111	1	03/28/2018 14:22	WG1090297
4-Chlorotoluene	U		0.000267	0.00111	1	03/28/2018 14:22	WG1090297
1,2-Dibromo-3-Chloropropane	U		0.00117	0.00557	1	03/28/2018 14:22	WG1090297
1,2-Dibromoethane	U		0.000382	0.00111	1	03/28/2018 14:22	WG1090297
Dibromomethane	U		0.000426	0.00111	1	03/28/2018 14:22	WG1090297
1,2-Dichlorobenzene	U		0.000340	0.00111	1	03/28/2018 14:22	WG1090297
1,3-Dichlorobenzene	U		0.000266	0.00111	1	03/28/2018 14:22	WG1090297
1,4-Dichlorobenzene	U		0.000252	0.00111	1	03/28/2018 14:22	WG1090297
Dichlorodifluoromethane	U UJ	J0	0.000795	0.00557	1	03/28/2018 14:22	WG1090297
1,1-Dichloroethane	U		0.000222	0.00111	1	03/28/2018 14:22	WG1090297
1,2-Dichloroethane	U		0.000295	0.00111	1	03/28/2018 14:22	WG1090297
1,1-Dichloroethene	U		0.000338	0.00111	1	03/28/2018 14:22	WG1090297
cis-1,2-Dichloroethene	0.00866		0.000262	0.00111	1	03/28/2018 14:22	WG1090297
trans-1,2-Dichloroethene	U		0.000294	0.00111	1	03/28/2018 14:22	WG1090297
1,2-Dichloropropane	U		0.000399	0.00111	1	03/28/2018 14:22	WG1090297
1,1-Dichloropropene	U		0.000353	0.00111	1	03/28/2018 14:22	WG1090297
1,3-Dichloropropane	U		0.000231	0.00111	1	03/28/2018 14:22	WG1090297
cis-1,3-Dichloropropene	U		0.000292	0.00111	1	03/28/2018 14:22	WG1090297
trans-1,3-Dichloropropene	U		0.000298	0.00111	1	03/28/2018 14:22	WG1090297
trans-1,4-Dichloro-2-butene	U UJ	J0	0.000867	0.00279	1	03/28/2018 14:22	WG1090297
2,2-Dichloropropane	U		0.000311	0.00111	1	03/28/2018 14:22	WG1090297
Di-isopropyl ether	U		0.000276	0.00111	1	03/28/2018 14:22	WG1090297
Ethylbenzene	U		0.000331	0.00111	1	03/28/2018 14:22	WG1090297
Hexachloro-1,3-butadiene	U		0.000381	0.00111	1	03/28/2018 14:22	WG1090297
2-Hexanone	U		0.00153	0.0111	1	03/28/2018 14:22	WG1090297
n-Hexane	0.00357 J	J J0	0.000323	0.0111	1	03/28/2018 14:22	WG1090297
Iodomethane	U		0.00282	0.0111	1	03/28/2018 14:22	WG1090297
Isopropylbenzene	U		0.000271	0.00111	1	03/28/2018 14:22	WG1090297
p-Isopropyltoluene	U		0.000227	0.00111	1	03/28/2018 14:22	WG1090297
2-Butanone (MEK)	U UJ	J0	0.00522	0.0111	1	03/28/2018 14:22	WG1090297
Methylene Chloride	U		0.00111	0.00557	1	03/28/2018 14:22	WG1090297
4-Methyl-2-pentanone (MIBK)	U		0.00210	0.0111	1	03/28/2018 14:22	WG1090297

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000236	0.00111	1	03/28/2018 14:22	WG1090297
Naphthalene	U		0.00111	0.00557	1	03/28/2018 14:22	WG1090297
n-Propylbenzene	U		0.000230	0.00111	1	03/28/2018 14:22	WG1090297
Styrene	U		0.000261	0.00111	1	03/28/2018 14:22	WG1090297
1,1,1,2-Tetrachloroethane	U		0.000294	0.00111	1	03/28/2018 14:22	WG1090297
1,1,2,2-Tetrachloroethane	U		0.000407	0.00111	1	03/28/2018 14:22	WG1090297
1,1,2-Trichlorotrifluoroethane	U		0.000407	0.00111	1	03/28/2018 14:22	WG1090297
Tetrachloroethene	0.0424		0.000308	0.00111	1	03/28/2018 14:22	WG1090297
Toluene	U		0.000484	0.00557	1	03/28/2018 14:22	WG1090297
1,2,3-Trichlorobenzene	U		0.000341	0.00111	1	03/28/2018 14:22	WG1090297
1,2,4-Trichlorobenzene	U		0.000432	0.00111	1	03/28/2018 14:22	WG1090297
1,1,1-Trichloroethane	U		0.000319	0.00111	1	03/28/2018 14:22	WG1090297
1,1,2-Trichloroethane	U		0.000309	0.00111	1	03/28/2018 14:22	WG1090297
Trichloroethene	0.00265		0.000311	0.00111	1	03/28/2018 14:22	WG1090297
Trichlorofluoromethane	U		0.000426	0.00557	1	03/28/2018 14:22	WG1090297
1,2,3-Trichloropropane	U		0.000826	0.00279	1	03/28/2018 14:22	WG1090297
1,2,4-Trimethylbenzene	U		0.000235	0.00111	1	03/28/2018 14:22	WG1090297
1,2,3-Trimethylbenzene	U		0.000320	0.00111	1	03/28/2018 14:22	WG1090297
1,3,5-Trimethylbenzene	U		0.000296	0.00111	1	03/28/2018 14:22	WG1090297
Vinyl acetate	U		0.00266	0.0111	1	03/28/2018 14:22	WG1090297
Vinyl chloride	0.00141		0.000324	0.00111	1	03/28/2018 14:22	WG1090297
Xylenes, Total	U		0.000778	0.00334	1	03/28/2018 14:22	WG1090297
(S) Toluene-d8	*102*			*80.0-120*		*03/28/2018 14:22*	WG1090297
(S) Dibromofluoromethane	*102*			*74.0-131*		*03/28/2018 14:22*	WG1090297
(S) 4-Bromofluorobenzene	*93.4*			*64.0-132*		*03/28/2018 14:22*	WG1090297

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1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	87.4		1	03/27/2018 09:07	WG1089692

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U UJ	J0	0.0114	0.0572	1	03/28/2018 14:42	WG1090297
Acrylonitrile	U		0.00205	0.0114	1	03/28/2018 14:42	WG1090297
Benzene	U		0.000309	0.00114	1	03/28/2018 14:42	WG1090297
Bromobenzene	U		0.000325	0.00114	1	03/28/2018 14:42	WG1090297
Bromodichloromethane	U		0.000291	0.00114	1	03/28/2018 14:42	WG1090297
Bromochloromethane	U		0.000446	0.00572	1	03/28/2018 14:42	WG1090297
Bromoform	U UJ	J0	0.000485	0.00114	1	03/28/2018 14:42	WG1090297
Bromomethane	U		0.00153	0.00572	1	03/28/2018 14:42	WG1090297
n-Butylbenzene	U		0.000295	0.00114	1	03/28/2018 14:42	WG1090297
sec-Butylbenzene	U		0.000230	0.00114	1	03/28/2018 14:42	WG1090297
tert-Butylbenzene	U		0.000236	0.00114	1	03/28/2018 14:42	WG1090297
Carbon disulfide	0.000626 U	B J J0	0.000253	0.00114	1	03/28/2018 14:42	WG1090297
Carbon tetrachloride	U		0.000375	0.00114	1	03/28/2018 14:42	WG1090297
Chlorobenzene	U		0.000242	0.00114	1	03/28/2018 14:42	WG1090297
Chlorodibromomethane	U		0.000427	0.00114	1	03/28/2018 14:42	WG1090297
Chloroethane	U		0.00108	0.00572	1	03/28/2018 14:42	WG1090297
Chloroform	U		0.000262	0.00572	1	03/28/2018 14:42	WG1090297
Chloromethane	U UJ	J0	0.000429	0.00286	1	03/28/2018 14:42	WG1090297
2-Chlorotoluene	U		0.000344	0.00114	1	03/28/2018 14:42	WG1090297
4-Chlorotoluene	U		0.000275	0.00114	1	03/28/2018 14:42	WG1090297
1,2-Dibromo-3-Chloropropane	U		0.00120	0.00572	1	03/28/2018 14:42	WG1090297
1,2-Dibromoethane	U		0.000392	0.00114	1	03/28/2018 14:42	WG1090297
Dibromomethane	U		0.000437	0.00114	1	03/28/2018 14:42	WG1090297
1,2-Dichlorobenzene	U		0.000349	0.00114	1	03/28/2018 14:42	WG1090297
1,3-Dichlorobenzene	U		0.000273	0.00114	1	03/28/2018 14:42	WG1090297
1,4-Dichlorobenzene	U		0.000259	0.00114	1	03/28/2018 14:42	WG1090297
Dichlorodifluoromethane	U UJ	J0	0.000816	0.00572	1	03/28/2018 14:42	WG1090297
1,1-Dichloroethane	U		0.000228	0.00114	1	03/28/2018 14:42	WG1090297
1,2-Dichloroethane	U		0.000303	0.00114	1	03/28/2018 14:42	WG1090297
1,1-Dichloroethene	U		0.000347	0.00114	1	03/28/2018 14:42	WG1090297
cis-1,2-Dichloroethene	0.00364		0.000269	0.00114	1	03/28/2018 14:42	WG1090297
trans-1,2-Dichloroethene	U		0.000302	0.00114	1	03/28/2018 14:42	WG1090297
1,2-Dichloropropane	U		0.000409	0.00114	1	03/28/2018 14:42	WG1090297
1,1-Dichloropropene	U		0.000363	0.00114	1	03/28/2018 14:42	WG1090297
1,3-Dichloropropane	U		0.000237	0.00114	1	03/28/2018 14:42	WG1090297
cis-1,3-Dichloropropene	U		0.000300	0.00114	1	03/28/2018 14:42	WG1090297
trans-1,3-Dichloropropene	U		0.000305	0.00114	1	03/28/2018 14:42	WG1090297
trans-1,4-Dichloro-2-butene	U UJ	J0	0.000890	0.00286	1	03/28/2018 14:42	WG1090297
2,2-Dichloropropane	U		0.000319	0.00114	1	03/28/2018 14:42	WG1090297
Di-isopropyl ether	U		0.000284	0.00114	1	03/28/2018 14:42	WG1090297
Ethylbenzene	U		0.000340	0.00114	1	03/28/2018 14:42	WG1090297
Hexachloro-1,3-butadiene	U		0.000391	0.00114	1	03/28/2018 14:42	WG1090297
2-Hexanone	U		0.00157	0.0114	1	03/28/2018 14:42	WG1090297
n-Hexane	U UJ	J0	0.000332	0.0114	1	03/28/2018 14:42	WG1090297
Iodomethane	U		0.00289	0.0114	1	03/28/2018 14:42	WG1090297
Isopropylbenzene	U		0.000278	0.00114	1	03/28/2018 14:42	WG1090297
p-Isopropyltoluene	U		0.000233	0.00114	1	03/28/2018 14:42	WG1090297
2-Butanone (MEK)	U UJ	J0	0.00535	0.0114	1	03/28/2018 14:42	WG1090297
Methylene Chloride	U		0.00114	0.00572	1	03/28/2018 14:42	WG1090297
4-Methyl-2-pentanone (MIBK)	U		0.00215	0.0114	1	03/28/2018 14:42	WG1090297

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg		Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U			0.000242	0.00114	1	03/28/2018 14:42	WG1090297
Naphthalene	U			0.00114	0.00572	1	03/28/2018 14:42	WG1090297
n-Propylbenzene	U			0.000236	0.00114	1	03/28/2018 14:42	WG1090297
Styrene	U			0.000268	0.00114	1	03/28/2018 14:42	WG1090297
1,1,1,2-Tetrachloroethane	U			0.000302	0.00114	1	03/28/2018 14:42	WG1090297
1,1,2,2-Tetrachloroethane	U			0.000417	0.00114	1	03/28/2018 14:42	WG1090297
1,1,2-Trichlorotrifluoroethane	U			0.000417	0.00114	1	03/28/2018 14:42	WG1090297
Tetrachloroethene	0.0164			0.000316	0.00114	1	03/28/2018 14:42	WG1090297
Toluene	U			0.000496	0.00572	1	03/28/2018 14:42	WG1090297
1,2,3-Trichlorobenzene	U			0.000350	0.00114	1	03/28/2018 14:42	WG1090297
1,2,4-Trichlorobenzene	U			0.000444	0.00114	1	03/28/2018 14:42	WG1090297
1,1,1-Trichloroethane	U			0.000327	0.00114	1	03/28/2018 14:42	WG1090297
1,1,2-Trichloroethane	U			0.000317	0.00114	1	03/28/2018 14:42	WG1090297
Trichloroethene	0.000972	J	J	0.000319	0.00114	1	03/28/2018 14:42	WG1090297
Trichlorofluoromethane	U			0.000437	0.00572	1	03/28/2018 14:42	WG1090297
1,2,3-Trichloropropane	U			0.000848	0.00286	1	03/28/2018 14:42	WG1090297
1,2,4-Trimethylbenzene	U			0.000241	0.00114	1	03/28/2018 14:42	WG1090297
1,2,3-Trimethylbenzene	U			0.000328	0.00114	1	03/28/2018 14:42	WG1090297
1,3,5-Trimethylbenzene	U			0.000304	0.00114	1	03/28/2018 14:42	WG1090297
Vinyl acetate	U			0.00273	0.0114	1	03/28/2018 14:42	WG1090297
Vinyl chloride	0.000608	J	J	0.000333	0.00114	1	03/28/2018 14:42	WG1090297
Xylenes, Total	U			0.000798	0.00343	1	03/28/2018 14:42	WG1090297
(S) Toluene-d8	*102*				*80.0-120*		*03/28/2018 14:42*	WG1090297
(S) Dibromofluoromethane	*101*				*74.0-131*		*03/28/2018 14:42*	WG1090297
(S) 4-Bromofluorobenzene	*92.7*				*64.0-132*		*03/28/2018 14:42*	WG1090297

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Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	92.7		1	03/27/2018 09:07	WG1089692

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U UJ	J0	0.0108	0.0539	1	03/28/2018 15:01	WG1090297
Acrylonitrile	U		0.00193	0.0108	1	03/28/2018 15:01	WG1090297
Benzene	U		0.000291	0.00108	1	03/28/2018 15:01	WG1090297
Bromobenzene	U		0.000306	0.00108	1	03/28/2018 15:01	WG1090297
Bromodichloromethane	U		0.000274	0.00108	1	03/28/2018 15:01	WG1090297
Bromochloromethane	U		0.000421	0.00539	1	03/28/2018 15:01	WG1090297
Bromoform	U UJ	J0	0.000457	0.00108	1	03/28/2018 15:01	WG1090297
Bromomethane	U		0.00145	0.00539	1	03/28/2018 15:01	WG1090297
n-Butylbenzene	U		0.000278	0.00108	1	03/28/2018 15:01	WG1090297
sec-Butylbenzene	U		0.000217	0.00108	1	03/28/2018 15:01	WG1090297
tert-Butylbenzene	U		0.000222	0.00108	1	03/28/2018 15:01	WG1090297
Carbon disulfide	0.000479 U	B J J0	0.000238	0.00108	1	03/28/2018 15:01	WG1090297
Carbon tetrachloride	U		0.000354	0.00108	1	03/28/2018 15:01	WG1090297
Chlorobenzene	U		0.000229	0.00108	1	03/28/2018 15:01	WG1090297
Chlorodibromomethane	U		0.000402	0.00108	1	03/28/2018 15:01	WG1090297
Chloroethane	U		0.00102	0.00539	1	03/28/2018 15:01	WG1090297
Chloroform	U		0.000247	0.00539	1	03/28/2018 15:01	WG1090297
Chloromethane	0.00123 J	J J0	0.000405	0.00270	1	03/28/2018 15:01	WG1090297
2-Chlorotoluene	U		0.000325	0.00108	1	03/28/2018 15:01	WG1090297
4-Chlorotoluene	U		0.000259	0.00108	1	03/28/2018 15:01	WG1090297
1,2-Dibromo-3-Chloropropane	U		0.00113	0.00539	1	03/28/2018 15:01	WG1090297
1,2-Dibromoethane	U		0.000370	0.00108	1	03/28/2018 15:01	WG1090297
Dibromomethane	U		0.000412	0.00108	1	03/28/2018 15:01	WG1090297
1,2-Dichlorobenzene	U		0.000329	0.00108	1	03/28/2018 15:01	WG1090297
1,3-Dichlorobenzene	U		0.000258	0.00108	1	03/28/2018 15:01	WG1090297
1,4-Dichlorobenzene	U		0.000244	0.00108	1	03/28/2018 15:01	WG1090297
Dichlorodifluoromethane	U UJ	J0	0.000769	0.00539	1	03/28/2018 15:01	WG1090297
1,1-Dichloroethane	U		0.000215	0.00108	1	03/28/2018 15:01	WG1090297
1,2-Dichloroethane	U		0.000286	0.00108	1	03/28/2018 15:01	WG1090297
1,1-Dichloroethene	U		0.000327	0.00108	1	03/28/2018 15:01	WG1090297
cis-1,2-Dichloroethene	0.00183		0.000254	0.00108	1	03/28/2018 15:01	WG1090297
trans-1,2-Dichloroethene	U		0.000285	0.00108	1	03/28/2018 15:01	WG1090297
1,2-Dichloropropane	U		0.000386	0.00108	1	03/28/2018 15:01	WG1090297
1,1-Dichloropropene	U		0.000342	0.00108	1	03/28/2018 15:01	WG1090297
1,3-Dichloropropane	U		0.000223	0.00108	1	03/28/2018 15:01	WG1090297
cis-1,3-Dichloropropene	U		0.000283	0.00108	1	03/28/2018 15:01	WG1090297
trans-1,3-Dichloropropene	U		0.000288	0.00108	1	03/28/2018 15:01	WG1090297
trans-1,4-Dichloro-2-butene	U UJ	J0	0.000839	0.00270	1	03/28/2018 15:01	WG1090297
2,2-Dichloropropane	U		0.000301	0.00108	1	03/28/2018 15:01	WG1090297
Di-isopropyl ether	U		0.000268	0.00108	1	03/28/2018 15:01	WG1090297
Ethylbenzene	U		0.000320	0.00108	1	03/28/2018 15:01	WG1090297
Hexachloro-1,3-butadiene	U		0.000369	0.00108	1	03/28/2018 15:01	WG1090297
2-Hexanone	U		0.00148	0.0108	1	03/28/2018 15:01	WG1090297
n-Hexane	0.00287 J	J J0	0.000313	0.0108	1	03/28/2018 15:01	WG1090297
Iodomethane	U		0.00273	0.0108	1	03/28/2018 15:01	WG1090297
Isopropylbenzene	U		0.000262	0.00108	1	03/28/2018 15:01	WG1090297
p-Isopropyltoluene	U		0.000220	0.00108	1	03/28/2018 15:01	WG1090297
2-Butanone (MEK)	U UJ	J0	0.00505	0.0108	1	03/28/2018 15:01	WG1090297
Methylene Chloride	U		0.00108	0.00539	1	03/28/2018 15:01	WG1090297
4-Methyl-2-pentanone (MIBK)	U		0.00203	0.0108	1	03/28/2018 15:01	WG1090297

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IW-8B-55

SAMPLE RESULTS - 25

Collected date/time: 03/20/18 08:50

L979234

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000229	0.00108	1	03/28/2018 15:01	WG1090297
Naphthalene	U		0.00108	0.00539	1	03/28/2018 15:01	WG1090297
n-Propylbenzene	U		0.000222	0.00108	1	03/28/2018 15:01	WG1090297
Styrene	U		0.000252	0.00108	1	03/28/2018 15:01	WG1090297
1,1,1,2-Tetrachloroethane	U		0.000285	0.00108	1	03/28/2018 15:01	WG1090297
1,1,2,2-Tetrachloroethane	U		0.000394	0.00108	1	03/28/2018 15:01	WG1090297
1,1,2-Trichlorotrifluoroethane	U		0.000394	0.00108	1	03/28/2018 15:01	WG1090297
Tetrachloroethene	0.00501		0.000298	0.00108	1	03/28/2018 15:01	WG1090297
Toluene	U		0.000468	0.00539	1	03/28/2018 15:01	WG1090297
1,2,3-Trichlorobenzene	U		0.000330	0.00108	1	03/28/2018 15:01	WG1090297
1,2,4-Trichlorobenzene	U		0.000419	0.00108	1	03/28/2018 15:01	WG1090297
1,1,1-Trichloroethane	U		0.000309	0.00108	1	03/28/2018 15:01	WG1090297
1,1,2-Trichloroethane	U		0.000299	0.00108	1	03/28/2018 15:01	WG1090297
Trichloroethene	0.000352 J	J	0.000301	0.00108	1	03/28/2018 15:01	WG1090297
Trichlorofluoromethane	U		0.000412	0.00539	1	03/28/2018 15:01	WG1090297
1,2,3-Trichloropropane	U		0.000800	0.00270	1	03/28/2018 15:01	WG1090297
1,2,4-Trimethylbenzene	U		0.000228	0.00108	1	03/28/2018 15:01	WG1090297
1,2,3-Trimethylbenzene	U		0.000310	0.00108	1	03/28/2018 15:01	WG1090297
1,3,5-Trimethylbenzene	U		0.000287	0.00108	1	03/28/2018 15:01	WG1090297
Vinyl acetate	U		0.00258	0.0108	1	03/28/2018 15:01	WG1090297
Vinyl chloride	0.000393 J	J	0.000314	0.00108	1	03/28/2018 15:01	WG1090297
Xylenes, Total	U		0.000753	0.00324	1	03/28/2018 15:01	WG1090297
(S) Toluene-d8	*105*			*80.0-120*		*03/28/2018 15:01*	WG1090297
(S) Dibromofluoromethane	*102*			*74.0-131*		*03/28/2018 15:01*	WG1090297
(S) 4-Bromofluorobenzene	*92.0*			*64.0-132*		*03/28/2018 15:01*	WG1090297

JC 4/16/18

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

IW-8B-60
Collected date/time: 03/20/18 09:00

SAMPLE RESULTS - 26

L979234

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	87.3		1	03/27/2018 09:07	WG1089692

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg		Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U	UJ	J0	0.0115	0.0573	1	03/28/2018 15:21	WG1090297
Acrylonitrile	U			0.00205	0.0115	1	03/28/2018 15:21	WG1090297
Benzene	U			0.000309	0.00115	1	03/28/2018 15:21	WG1090297
Bromobenzene	U			0.000325	0.00115	1	03/28/2018 15:21	WG1090297
Bromodichloromethane	U			0.000291	0.00115	1	03/28/2018 15:21	WG1090297
Bromochloromethane	U			0.000447	0.00573	1	03/28/2018 15:21	WG1090297
Bromoform	U	UJ	J0	0.000486	0.00115	1	03/28/2018 15:21	WG1090297
Bromomethane	U			0.00153	0.00573	1	03/28/2018 15:21	WG1090297
n-Butylbenzene	U			0.000295	0.00115	1	03/28/2018 15:21	WG1090297
sec-Butylbenzene	U			0.000230	0.00115	1	03/28/2018 15:21	WG1090297
tert-Butylbenzene	U			0.000236	0.00115	1	03/28/2018 15:21	WG1090297
Carbon disulfide	0.000293	U	B J J0	0.000253	0.00115	1	03/28/2018 15:21	WG1090297
Carbon tetrachloride	U			0.000376	0.00115	1	03/28/2018 15:21	WG1090297
Chlorobenzene	U			0.000243	0.00115	1	03/28/2018 15:21	WG1090297
Chlorodibromomethane	U			0.000427	0.00115	1	03/28/2018 15:21	WG1090297
Chloroethane	U			0.00108	0.00573	1	03/28/2018 15:21	WG1090297
Chloroform	U			0.000262	0.00573	1	03/28/2018 15:21	WG1090297
Chloromethane	U	UJ	J0	0.000429	0.00286	1	03/28/2018 15:21	WG1090297
2-Chlorotoluene	U			0.000345	0.00115	1	03/28/2018 15:21	WG1090297
4-Chlorotoluene	U			0.000275	0.00115	1	03/28/2018 15:21	WG1090297
1,2-Dibromo-3-Chloropropane	U			0.00120	0.00573	1	03/28/2018 15:21	WG1090297
1,2-Dibromoethane	U			0.000393	0.00115	1	03/28/2018 15:21	WG1090297
Dibromomethane	U			0.000437	0.00115	1	03/28/2018 15:21	WG1090297
1,2-Dichlorobenzene	U			0.000349	0.00115	1	03/28/2018 15:21	WG1090297
1,3-Dichlorobenzene	U			0.000274	0.00115	1	03/28/2018 15:21	WG1090297
1,4-Dichlorobenzene	U			0.000259	0.00115	1	03/28/2018 15:21	WG1090297
Dichlorodifluoromethane	U	UJ	J0	0.000817	0.00573	1	03/28/2018 15:21	WG1090297
1,1-Dichloroethane	U			0.000228	0.00115	1	03/28/2018 15:21	WG1090297
1,2-Dichloroethane	U			0.000303	0.00115	1	03/28/2018 15:21	WG1090297
1,1-Dichloroethene	U			0.000347	0.00115	1	03/28/2018 15:21	WG1090297
cis-1,2-Dichloroethene	0.00148			0.000269	0.00115	1	03/28/2018 15:21	WG1090297
trans-1,2-Dichloroethene	U			0.000302	0.00115	1	03/28/2018 15:21	WG1090297
1,2-Dichloropropane	U			0.000410	0.00115	1	03/28/2018 15:21	WG1090297
1,1-Dichloropropene	U			0.000363	0.00115	1	03/28/2018 15:21	WG1090297
1,3-Dichloropropane	U			0.000237	0.00115	1	03/28/2018 15:21	WG1090297
cis-1,3-Dichloropropene	U			0.000300	0.00115	1	03/28/2018 15:21	WG1090297
trans-1,3-Dichloropropene	U			0.000306	0.00115	1	03/28/2018 15:21	WG1090297
trans-1,4-Dichloro-2-butene	U	UJ	J0	0.000891	0.00286	1	03/28/2018 15:21	WG1090297
2,2-Dichloropropane	U			0.000320	0.00115	1	03/28/2018 15:21	WG1090297
Di-isopropyl ether	U	UJ	J0	0.000284	0.00115	1	03/28/2018 15:21	WG1090297
Ethylbenzene	U			0.000340	0.00115	1	03/28/2018 15:21	WG1090297
Hexachloro-1,3-butadiene	U			0.000392	0.00115	1	03/28/2018 15:21	WG1090297
2-Hexanone	U			0.00157	0.0115	1	03/28/2018 15:21	WG1090297
n-Hexane	U	UJ	J0	0.000332	0.0115	1	03/28/2018 15:21	WG1090297
Iodomethane	U			0.00290	0.0115	1	03/28/2018 15:21	WG1090297
Isopropylbenzene	U			0.000278	0.00115	1	03/28/2018 15:21	WG1090297
p-Isopropyltoluene	U			0.000234	0.00115	1	03/28/2018 15:21	WG1090297
2-Butanone (MEK)	U	UJ	J0	0.00536	0.0115	1	03/28/2018 15:21	WG1090297
Methylene Chloride	U			0.00115	0.00573	1	03/28/2018 15:21	WG1090297
4-Methyl-2-pentanone (MIBK)	U			0.00215	0.0115	1	03/28/2018 15:21	WG1090297

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000243	0.00115	1	03/28/2018 15:21	WG1090297
Naphthalene	U		0.00115	0.00573	1	03/28/2018 15:21	WG1090297
n-Propylbenzene	U		0.000236	0.00115	1	03/28/2018 15:21	WG1090297
Styrene	U		0.000268	0.00115	1	03/28/2018 15:21	WG1090297
1,1,1,2-Tetrachloroethane	U		0.000302	0.00115	1	03/28/2018 15:21	WG1090297
1,1,2,2-Tetrachloroethane	U		0.000418	0.00115	1	03/28/2018 15:21	WG1090297
1,1,2-Trichlorotrifluoroethane	U		0.000418	0.00115	1	03/28/2018 15:21	WG1090297
Tetrachloroethene	0.00710		0.000316	0.00115	1	03/28/2018 15:21	WG1090297
Toluene	U		0.000497	0.00573	1	03/28/2018 15:21	WG1090297
1,2,3-Trichlorobenzene	U		0.000350	0.00115	1	03/28/2018 15:21	WG1090297
1,2,4-Trichlorobenzene	U		0.000444	0.00115	1	03/28/2018 15:21	WG1090297
1,1,1-Trichloroethane	U		0.000328	0.00115	1	03/28/2018 15:21	WG1090297
1,1,2-Trichloroethane	U		0.000317	0.00115	1	03/28/2018 15:21	WG1090297
Trichloroethene	0.000382 J	J	0.000320	0.00115	1	03/28/2018 15:21	WG1090297
Trichlorofluoromethane	U		0.000437	0.00573	1	03/28/2018 15:21	WG1090297
1,2,3-Trichloropropane	U		0.000849	0.00286	1	03/28/2018 15:21	WG1090297
1,2,4-Trimethylbenzene	U		0.000242	0.00115	1	03/28/2018 15:21	WG1090297
1,2,3-Trimethylbenzene	U		0.000329	0.00115	1	03/28/2018 15:21	WG1090297
1,3,5-Trimethylbenzene	U		0.000305	0.00115	1	03/28/2018 15:21	WG1090297
Vinyl acetate	U		0.00274	0.0115	1	03/28/2018 15:21	WG1090297
Vinyl chloride	U		0.000333	0.00115	1	03/28/2018 15:21	WG1090297
Xylenes, Total	U		0.000799	0.00344	1	03/28/2018 15:21	WG1090297
(S) Toluene-d8	*104*			*80.0-120*		*03/28/2018 15:21*	WG1090297
(S) Dibromofluoromethane	*101*			*74.0-131*		*03/28/2018 15:21*	WG1090297
(S) 4-Bromofluorobenzene	*92.9*			*64.0-132*		*03/28/2018 15:21*	WG1090297

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Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	88.7		1	03/27/2018 09:07	WG1089692

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U UJ	J0	0.0113	0.0564	1	03/28/2018 15:40	WG1090297
Acrylonitrile	U		0.00202	0.0113	1	03/28/2018 15:40	WG1090297
Benzene	U		0.000304	0.00113	1	03/28/2018 15:40	WG1090297
Bromobenzene	U		0.000320	0.00113	1	03/28/2018 15:40	WG1090297
Bromodichloromethane	U		0.000286	0.00113	1	03/28/2018 15:40	WG1090297
Bromochloromethane	U		0.000440	0.00564	1	03/28/2018 15:40	WG1090297
Bromoform	U		0.000478	0.00113	1	03/28/2018 15:40	WG1090297
Bromomethane	U UJ	J0	0.00151	0.00564	1	03/28/2018 15:40	WG1090297
n-Butylbenzene	U		0.000291	0.00113	1	03/28/2018 15:40	WG1090297
sec-Butylbenzene	U		0.000227	0.00113	1	03/28/2018 15:40	WG1090297
tert-Butylbenzene	U		0.000232	0.00113	1	03/28/2018 15:40	WG1090297
Carbon disulfide	0.000584 U	B J J0	0.000249	0.00113	1	03/28/2018 15:40	WG1090297
Carbon tetrachloride	U		0.000370	0.00113	1	03/28/2018 15:40	WG1090297
Chlorobenzene	U		0.000239	0.00113	1	03/28/2018 15:40	WG1090297
Chlorodibromomethane	U		0.000421	0.00113	1	03/28/2018 15:40	WG1090297
Chloroethane	U		0.00107	0.00564	1	03/28/2018 15:40	WG1090297
Chloroform	U		0.000258	0.00564	1	03/28/2018 15:40	WG1090297
Chloromethane	U UJ	J0	0.000423	0.00282	1	03/28/2018 15:40	WG1090297
2-Chlorotoluene	U		0.000339	0.00113	1	03/28/2018 15:40	WG1090297
4-Chlorotoluene	U		0.000271	0.00113	1	03/28/2018 15:40	WG1090297
1,2-Dibromo-3-Chloropropane	U		0.00118	0.00564	1	03/28/2018 15:40	WG1090297
1,2-Dibromoethane	U		0.000387	0.00113	1	03/28/2018 15:40	WG1090297
Dibromomethane	U		0.000431	0.00113	1	03/28/2018 15:40	WG1090297
1,2-Dichlorobenzene	U		0.000344	0.00113	1	03/28/2018 15:40	WG1090297
1,3-Dichlorobenzene	U		0.000269	0.00113	1	03/28/2018 15:40	WG1090297
1,4-Dichlorobenzene	U		0.000255	0.00113	1	03/28/2018 15:40	WG1090297
Dichlorodifluoromethane	U UJ	J0	0.000804	0.00564	1	03/28/2018 15:40	WG1090297
1,1-Dichloroethane	U		0.000224	0.00113	1	03/28/2018 15:40	WG1090297
1,2-Dichloroethane	U		0.000299	0.00113	1	03/28/2018 15:40	WG1090297
1,1-Dichloroethene	U		0.000342	0.00113	1	03/28/2018 15:40	WG1090297
cis-1,2-Dichloroethene	0.00102 U	J	0.000265	0.00113	1	03/28/2018 15:40	WG1090297
trans-1,2-Dichloroethene	U		0.000298	0.00113	1	03/28/2018 15:40	WG1090297
1,2-Dichloropropane	U		0.000404	0.00113	1	03/28/2018 15:40	WG1090297
1,1-Dichloropropene	U		0.000357	0.00113	1	03/28/2018 15:40	WG1090297
1,3-Dichloropropane	U		0.000233	0.00113	1	03/28/2018 15:40	WG1090297
cis-1,3-Dichloropropene	U		0.000295	0.00113	1	03/28/2018 15:40	WG1090297
trans-1,3-Dichloropropene	U		0.000301	0.00113	1	03/28/2018 15:40	WG1090297
trans-1,4-Dichloro-2-butene	U UJ	J0	0.000877	0.00282	1	03/28/2018 15:40	WG1090297
2,2-Dichloropropane	U		0.000315	0.00113	1	03/28/2018 15:40	WG1090297
Di-isopropyl ether	U UJ	J0	0.000280	0.00113	1	03/28/2018 15:40	WG1090297
Ethylbenzene	U		0.000335	0.00113	1	03/28/2018 15:40	WG1090297
Hexachloro-1,3-butadiene	U		0.000386	0.00113	1	03/28/2018 15:40	WG1090297
2-Hexanone	U		0.00154	0.0113	1	03/28/2018 15:40	WG1090297
n-Hexane	U UJ	J0	0.000327	0.0113	1	03/28/2018 15:40	WG1090297
Iodomethane	U		0.00285	0.0113	1	03/28/2018 15:40	WG1090297
Isopropylbenzene	U		0.000274	0.00113	1	03/28/2018 15:40	WG1090297
p-Isopropyltoluene	U		0.000230	0.00113	1	03/28/2018 15:40	WG1090297
2-Butanone (MEK)	U UJ	J0	0.00528	0.0113	1	03/28/2018 15:40	WG1090297
Methylene Chloride	U		0.00113	0.00564	1	03/28/2018 15:40	WG1090297
4-Methyl-2-pentanone (MIBK)	U		0.00212	0.0113	1	03/28/2018 15:40	WG1090297

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000239	0.00113	1	03/28/2018 15:40	WG1090297
Naphthalene	U		0.00113	0.00564	1	03/28/2018 15:40	WG1090297
n-Propylbenzene	U		0.000232	0.00113	1	03/28/2018 15:40	WG1090297
Styrene	U		0.000264	0.00113	1	03/28/2018 15:40	WG1090297
1,1,1,2-Tetrachloroethane	U		0.000298	0.00113	1	03/28/2018 15:40	WG1090297
1,1,2,2-Tetrachloroethane	U		0.000412	0.00113	1	03/28/2018 15:40	WG1090297
1,1,2-Trichlorotrifluoroethane	U		0.000412	0.00113	1	03/28/2018 15:40	WG1090297
Tetrachloroethene	0.00679		0.000311	0.00113	1	03/28/2018 15:40	WG1090297
Toluene	U		0.000489	0.00564	1	03/28/2018 15:40	WG1090297
1,2,3-Trichlorobenzene	U		0.000345	0.00113	1	03/28/2018 15:40	WG1090297
1,2,4-Trichlorobenzene	U		0.000437	0.00113	1	03/28/2018 15:40	WG1090297
1,1,1-Trichloroethane	U		0.000322	0.00113	1	03/28/2018 15:40	WG1090297
1,1,2-Trichloroethane	U		0.000312	0.00113	1	03/28/2018 15:40	WG1090297
Trichloroethene	0.000406 J	J	0.000315	0.00113	1	03/28/2018 15:40	WG1090297
Trichlorofluoromethane	U		0.000431	0.00564	1	03/28/2018 15:40	WG1090297
1,2,3-Trichloropropane	U		0.000835	0.00282	1	03/28/2018 15:40	WG1090297
1,2,4-Trimethylbenzene	U		0.000238	0.00113	1	03/28/2018 15:40	WG1090297
1,2,3-Trimethylbenzene	U		0.000324	0.00113	1	03/28/2018 15:40	WG1090297
1,3,5-Trimethylbenzene	U		0.000300	0.00113	1	03/28/2018 15:40	WG1090297
Vinyl acetate	U		0.00269	0.0113	1	03/28/2018 15:40	WG1090297
Vinyl chloride	U		0.000328	0.00113	1	03/28/2018 15:40	WG1090297
Xylenes, Total	U		0.000787	0.00338	1	03/28/2018 15:40	WG1090297
(S) Toluene-d8	*105*			*80.0-120*		*03/28/2018 15:40*	WG1090297
(S) Dibromofluoromethane	*102*			*74.0-131*		*03/28/2018 15:40*	WG1090297
(S) 4-Bromofluorobenzene	*91.2*			*64.0-132*		*03/28/2018 15:40*	WG1090297

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ANALYTICAL REPORT

April 03, 2018

PES Environmental, Inc.- WA

Sample Delivery Group:	L980300
Samples Received:	03/24/2018
Project Number:	1413.001.05.304
Description:	American Linen Supply Project
Report To:	Brian O'Neal/Bill Haldeman 1215 Fourth Ave., Suite 1350 Seattle, WA 98161

Entire Report Reviewed By: Brian Ford

Brian Ford
Technical Service Representative

12065 Lebanon Rd   Mount Juliet, TN 37122   615-758-5858   800-767-5859   www.esclabsciences.com

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IW-48B-5 L980300-01 Solid

Collected by	Collected date/time	Received date/time
Dan Johnson	03/23/18 09:17	03/24/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1091415	1	03/30/18 14:11	03/30/18 14:33	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1090297	1	03/23/18 09:17	03/28/18 19:20	JHH
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1090297	1	03/23/18 09:17	03/29/18 18:46	BMB

IW-48B-10 L980300-02 Solid

Collected by	Collected date/time	Received date/time
Dan Johnson	03/23/18 09:23	03/24/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1091415	1	03/30/18 14:11	03/30/18 14:33	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1090297	1	03/23/18 09:23	03/28/18 19:40	JHH
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1090297	1	03/23/18 09:23	03/29/18 19:06	BMB

IW-48B-15 L980300-03 Solid

Collected by	Collected date/time	Received date/time
Dan Johnson	03/23/18 09:31	03/24/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1091415	1	03/30/18 14:11	03/30/18 14:33	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1091141	1	03/23/18 09:31	03/29/18 17:50	ACG

IW-48B-20 L980300-04 Solid

Collected by	Collected date/time	Received date/time
Dan Johnson	03/23/18 09:41	03/24/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1091415	1	03/30/18 14:11	03/30/18 14:33	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1090697	1	03/23/18 09:41	03/29/18 20:04	BMB

IW-48B-25 L980300-05 Solid

Collected by	Collected date/time	Received date/time
Dan Johnson	03/23/18 09:55	03/24/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1091415	1	03/30/18 14:11	03/30/18 14:33	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1091540	1	03/23/18 09:55	03/30/18 13:49	BMB
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1091540	50	03/23/18 09:55	04/01/18 16:26	BMB

IW-48B-30 L980300-06 Solid

Collected by	Collected date/time	Received date/time
Dan Johnson	03/23/18 10:18	03/24/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1091415	1	03/30/18 14:11	03/30/18 14:33	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1091540	1	03/23/18 10:18	03/30/18 14:10	BMB

IW-48B-35 L980300-07 Solid

Collected by	Collected date/time	Received date/time
Dan Johnson	03/23/18 10:33	03/24/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1091416	1	03/30/18 13:50	03/30/18 14:01	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1091540	1	03/23/18 10:33	03/30/18 14:39	BMB

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Collected by	Collected date/time	Received date/time
Dan Johnson	03/23/18 10:53	03/24/18 08:45

IW-48B-40 L980300-08 Solid

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1091416	1	03/30/18 13:50	03/30/18 14:01	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1091540	1	03/23/18 10:53	03/30/18 15:00	BMB

Collected by	Collected date/time	Received date/time
Dan Johnson	03/23/18 11:12	03/24/18 08:45

IW-48B-42 L980300-09 Solid

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1091416	1	03/30/18 13:50	03/30/18 14:01	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1091540	1	03/23/18 11:12	03/30/18 15:21	BMB

Collected by	Collected date/time	Received date/time
Dan Johnson	03/23/18 11:22	03/24/18 08:45

IW-48B-45 L980300-10 Solid

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1091416	1	03/30/18 13:50	03/30/18 14:01	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1091540	1	03/23/18 11:22	03/30/18 15:41	BMB
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1091540	1	03/23/18 11:22	04/01/18 16:46	BMB

Collected by	Collected date/time	Received date/time
Dan Johnson	03/23/18 11:29	03/24/18 08:45

IW-48B-50 L980300-11 Solid

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1091416	1	03/30/18 13:50	03/30/18 14:01	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1091540	1	03/23/18 11:29	03/30/18 16:02	BMB
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1091540	1	03/23/18 11:29	04/01/18 17:06	BMB

Collected by	Collected date/time	Received date/time
Dan Johnson	03/23/18 11:36	03/24/18 08:45

IW-48B-55 L980300-12 Solid

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1091416	1	03/30/18 13:50	03/30/18 14:01	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1091540	1.02	03/23/18 11:36	03/30/18 16:23	BMB

Collected by	Collected date/time	Received date/time
Dan Johnson	03/23/18 11:45	03/24/18 08:45

IW-48B-60 L980300-13 Solid

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1091416	1	03/30/18 13:50	03/30/18 14:01	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1090697	1	03/23/18 11:45	03/29/18 17:09	BMB
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1090697	250	03/23/18 11:45	03/30/18 09:25	BMB

Collected by	Collected date/time	Received date/time
Dan Johnson	03/23/18 11:50	03/24/18 08:45

IW-48B-65 L980300-14 Solid

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1091416	1	03/30/18 13:50	03/30/18 14:01	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1091141	1	03/23/18 11:50	03/29/18 18:13	ACG

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Collected by	Collected date/time	Received date/time
Dan Johnson	03/23/18 12:08	03/24/18 08:45

IW-48B-70 L980300-15 Solid

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1091416	1	03/30/18 13:50	03/30/18 14:01	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1091141	1	03/23/18 12:08	03/29/18 18:36	ACG

Collected by	Collected date/time	Received date/time
Dan Johnson	03/23/18 12:19	03/24/18 08:45

IW-48B-75 L980300-16 Solid

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1091416	1	03/30/18 13:50	03/30/18 14:01	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1091141	1	03/23/18 12:19	03/29/18 18:57	ACG
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1091141	100	03/23/18 12:19	03/31/18 02:26	ACG
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1091141	1000	03/23/18 12:19	04/01/18 13:59	ACG

Collected by	Collected date/time	Received date/time
Dan Johnson	03/23/18 12:31	03/24/18 08:45

IW-905-42 L980300-17 Solid

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1091466	1	03/30/18 13:13	03/30/18 13:23	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1091141	1	03/23/18 12:31	03/29/18 19:18	ACG
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1091141	1	03/23/18 12:31	03/31/18 02:47	ACG
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1091141	1	03/23/18 12:31	04/01/18 13:35	ACG

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All radiochemical sample results for solids are reported on a dry weight basis with the exception of tritium, carbon-14 and radon, unless wet weight was requested by the client. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Brian Ford

Brian Ford
Technical Service Representative

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	86.5		1	03/30/2018 14:33	WG1091415

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U	J0	0.0116	0.0578	1	03/28/2018 19:20	WG1090297
Acrylonitrile	U		0.00207	0.0116	1	03/28/2018 19:20	WG1090297
Benzene	U		0.000312	0.00116	1	03/28/2018 19:20	WG1090297
Bromobenzene	U		0.000328	0.00116	1	03/28/2018 19:20	WG1090297
Bromodichloromethane	U		0.000294	0.00116	1	03/28/2018 19:20	WG1090297
Bromochloromethane	U		0.000451	0.00578	1	03/28/2018 19:20	WG1090297
Bromoform	U	J0	0.000490	0.00116	1	03/28/2018 19:20	WG1090297
Bromomethane	U		0.00155	0.00578	1	03/28/2018 19:20	WG1090297
n-Butylbenzene	U		0.000298	0.00116	1	03/28/2018 19:20	WG1090297
sec-Butylbenzene	U		0.000232	0.00116	1	03/28/2018 19:20	WG1090297
tert-Butylbenzene	U		0.000238	0.00116	1	03/28/2018 19:20	WG1090297
Carbon disulfide	U	J0	0.000255	0.00116	1	03/28/2018 19:20	WG1090297
Carbon tetrachloride	U		0.000379	0.00116	1	03/28/2018 19:20	WG1090297
Chlorobenzene	U		0.000245	0.00116	1	03/28/2018 19:20	WG1090297
Chlorodibromomethane	U		0.000431	0.00116	1	03/28/2018 19:20	WG1090297
Chloroethane	U		0.00109	0.00578	1	03/28/2018 19:20	WG1090297
Chloroform	U		0.000265	0.00578	1	03/28/2018 19:20	WG1090297
Chloromethane	U	J0	0.000433	0.00289	1	03/28/2018 19:20	WG1090297
2-Chlorotoluene	U		0.000348	0.00116	1	03/28/2018 19:20	WG1090297
4-Chlorotoluene	U		0.000277	0.00116	1	03/28/2018 19:20	WG1090297
1,2-Dibromo-3-Chloropropane	U		0.00121	0.00578	1	03/28/2018 19:20	WG1090297
1,2-Dibromoethane	U		0.000396	0.00116	1	03/28/2018 19:20	WG1090297
Dibromomethane	U		0.000441	0.00116	1	03/28/2018 19:20	WG1090297
1,2-Dichlorobenzene	U		0.000352	0.00116	1	03/28/2018 19:20	WG1090297
1,3-Dichlorobenzene	U		0.000276	0.00116	1	03/28/2018 19:20	WG1090297
1,4-Dichlorobenzene	U		0.000261	0.00116	1	03/28/2018 19:20	WG1090297
Dichlorodifluoromethane	U	J0	0.000824	0.00578	1	03/28/2018 19:20	WG1090297
1,1-Dichloroethane	U		0.000230	0.00116	1	03/28/2018 19:20	WG1090297
1,2-Dichloroethane	U		0.000306	0.00116	1	03/28/2018 19:20	WG1090297
1,1-Dichloroethene	U		0.000350	0.00116	1	03/28/2018 19:20	WG1090297
cis-1,2-Dichloroethene	U		0.000272	0.00116	1	03/28/2018 19:20	WG1090297
trans-1,2-Dichloroethene	U		0.000305	0.00116	1	03/28/2018 19:20	WG1090297
1,2-Dichloropropane	U		0.000414	0.00116	1	03/28/2018 19:20	WG1090297
1,1-Dichloropropene	U		0.000366	0.00116	1	03/28/2018 19:20	WG1090297
1,3-Dichloropropane	U		0.000239	0.00116	1	03/28/2018 19:20	WG1090297
cis-1,3-Dichloropropene	U		0.000303	0.00116	1	03/28/2018 19:20	WG1090297
trans-1,3-Dichloropropene	U		0.000309	0.00116	1	03/28/2018 19:20	WG1090297
trans-1,4-Dichloro-2-butene	U	J0	0.000899	0.00289	1	03/28/2018 19:20	WG1090297
2,2-Dichloropropane	U		0.000322	0.00116	1	03/28/2018 19:20	WG1090297
Di-isopropyl ether	U	J0	0.000287	0.00116	1	03/28/2018 19:20	WG1090297
Ethylbenzene	U		0.000343	0.00116	1	03/28/2018 19:20	WG1090297
Hexachloro-1,3-butadiene	U		0.000395	0.00116	1	03/28/2018 19:20	WG1090297
2-Hexanone	U		0.00158	0.0116	1	03/28/2018 19:20	WG1090297
n-Hexane	U	J0	0.000335	0.0116	1	03/28/2018 19:20	WG1090297
Iodomethane	U		0.00292	0.0116	1	03/28/2018 19:20	WG1090297
Isopropylbenzene	U		0.000281	0.00116	1	03/28/2018 19:20	WG1090297
p-Isopropyltoluene	U		0.000236	0.00116	1	03/28/2018 19:20	WG1090297
2-Butanone (MEK)	U	J0	0.00541	0.0116	1	03/28/2018 19:20	WG1090297
Methylene Chloride	U		0.00116	0.00578	1	03/28/2018 19:20	WG1090297
4-Methyl-2-pentanone (MIBK)	U		0.00217	0.0116	1	03/28/2018 19:20	WG1090297

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000245	0.00116	1	03/28/2018 19:20	WG1090297
Naphthalene	U		0.00116	0.00578	1	03/28/2018 19:20	WG1090297
n-Propylbenzene	U		0.000238	0.00116	1	03/28/2018 19:20	WG1090297
Styrene	U		0.000270	0.00116	1	03/28/2018 19:20	WG1090297
1,1,1,2-Tetrachloroethane	U		0.000305	0.00116	1	03/28/2018 19:20	WG1090297
1,1,2,2-Tetrachloroethane	U		0.000422	0.00116	1	03/28/2018 19:20	WG1090297
1,1,2-Trichlorotrifluoroethane	U		0.000422	0.00116	1	03/28/2018 19:20	WG1090297
Tetrachloroethene	0.0108		0.000319	0.00116	1	03/29/2018 18:46	WG1090297
Toluene	U		0.000502	0.00578	1	03/28/2018 19:20	WG1090297
1,2,3-Trichlorobenzene	U		0.000354	0.00116	1	03/28/2018 19:20	WG1090297
1,2,4-Trichlorobenzene	U		0.000448	0.00116	1	03/28/2018 19:20	WG1090297
1,1,1-Trichloroethane	U		0.000331	0.00116	1	03/28/2018 19:20	WG1090297
1,1,2-Trichloroethane	U		0.000320	0.00116	1	03/28/2018 19:20	WG1090297
Trichloroethene	U		0.000322	0.00116	1	03/28/2018 19:20	WG1090297
Trichlorofluoromethane	U		0.000441	0.00578	1	03/28/2018 19:20	WG1090297
1,2,3-Trichloropropane	U		0.000856	0.00289	1	03/28/2018 19:20	WG1090297
1,2,4-Trimethylbenzene	U		0.000244	0.00116	1	03/28/2018 19:20	WG1090297
1,2,3-Trimethylbenzene	U		0.000332	0.00116	1	03/28/2018 19:20	WG1090297
1,3,5-Trimethylbenzene	U		0.000307	0.00116	1	03/28/2018 19:20	WG1090297
Vinyl acetate	U		0.00276	0.0116	1	03/28/2018 19:20	WG1090297
Vinyl chloride	U		0.000336	0.00116	1	03/28/2018 19:20	WG1090297
Xylenes, Total	U		0.000807	0.00347	1	03/28/2018 19:20	WG1090297
(S) Toluene-d8	*107*			*80.0-120*		*03/28/2018 19:20*	WG1090297
(S) Toluene-d8	*95.4*			*80.0-120*		*03/29/2018 18:46*	WG1090297
(S) Dibromofluoromethane	*101*			*74.0-131*		*03/28/2018 19:20*	WG1090297
(S) Dibromofluoromethane	*107*			*74.0-131*		*03/29/2018 18:46*	WG1090297
(S) 4-Bromofluorobenzene	*90.0*			*64.0-132*		*03/28/2018 19:20*	WG1090297
(S) 4-Bromofluorobenzene	*89.3*			*64.0-132*		*03/29/2018 18:46*	WG1090297

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	88.3		1	03/30/2018 14:33	WG1091415

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U	J0	0.0113	0.0566	1	03/28/2018 19:40	WG1090297
Acrylonitrile	U		0.00203	0.0113	1	03/28/2018 19:40	WG1090297
Benzene	U		0.000306	0.00113	1	03/28/2018 19:40	WG1090297
Bromobenzene	U		0.000322	0.00113	1	03/28/2018 19:40	WG1090297
Bromodichloromethane	U		0.000288	0.00113	1	03/28/2018 19:40	WG1090297
Bromochloromethane	U		0.000442	0.00566	1	03/28/2018 19:40	WG1090297
Bromoform	U	J0	0.000480	0.00113	1	03/28/2018 19:40	WG1090297
Bromomethane	U		0.00152	0.00566	1	03/28/2018 19:40	WG1090297
n-Butylbenzene	U		0.000292	0.00113	1	03/28/2018 19:40	WG1090297
sec-Butylbenzene	U		0.000228	0.00113	1	03/28/2018 19:40	WG1090297
tert-Butylbenzene	U		0.000233	0.00113	1	03/28/2018 19:40	WG1090297
Carbon disulfide	U	J0	0.000250	0.00113	1	03/28/2018 19:40	WG1090297
Carbon tetrachloride	U		0.000371	0.00113	1	03/28/2018 19:40	WG1090297
Chlorobenzene	U		0.000240	0.00113	1	03/28/2018 19:40	WG1090297
Chlorodibromomethane	U		0.000422	0.00113	1	03/28/2018 19:40	WG1090297
Chloroethane	U		0.00107	0.00566	1	03/28/2018 19:40	WG1090297
Chloroform	U		0.000259	0.00566	1	03/28/2018 19:40	WG1090297
Chloromethane	U	J0	0.000425	0.00283	1	03/28/2018 19:40	WG1090297
2-Chlorotoluene	U		0.000341	0.00113	1	03/28/2018 19:40	WG1090297
4-Chlorotoluene	U		0.000272	0.00113	1	03/28/2018 19:40	WG1090297
1,2-Dibromo-3-Chloropropane	U		0.00119	0.00566	1	03/28/2018 19:40	WG1090297
1,2-Dibromoethane	U		0.000388	0.00113	1	03/28/2018 19:40	WG1090297
Dibromomethane	U		0.000432	0.00113	1	03/28/2018 19:40	WG1090297
1,2-Dichlorobenzene	U		0.000345	0.00113	1	03/28/2018 19:40	WG1090297
1,3-Dichlorobenzene	U		0.000271	0.00113	1	03/28/2018 19:40	WG1090297
1,4-Dichlorobenzene	U		0.000256	0.00113	1	03/28/2018 19:40	WG1090297
Dichlorodifluoromethane	U	J0	0.000807	0.00566	1	03/28/2018 19:40	WG1090297
1,1-Dichloroethane	U		0.000225	0.00113	1	03/28/2018 19:40	WG1090297
1,2-Dichloroethane	U		0.000300	0.00113	1	03/28/2018 19:40	WG1090297
1,1-Dichloroethene	U		0.000343	0.00113	1	03/28/2018 19:40	WG1090297
cis-1,2-Dichloroethene	0.00100	J	0.000266	0.00113	1	03/28/2018 19:40	WG1090297
trans-1,2-Dichloroethene	U		0.000299	0.00113	1	03/28/2018 19:40	WG1090297
1,2-Dichloropropane	U		0.000405	0.00113	1	03/28/2018 19:40	WG1090297
1,1-Dichloropropene	U		0.000359	0.00113	1	03/28/2018 19:40	WG1090297
1,3-Dichloropropane	U		0.000234	0.00113	1	03/28/2018 19:40	WG1090297
cis-1,3-Dichloropropene	U		0.000297	0.00113	1	03/28/2018 19:40	WG1090297
trans-1,3-Dichloropropene	U		0.000302	0.00113	1	03/28/2018 19:40	WG1090297
trans-1,4-Dichloro-2-butene	U	J0	0.000881	0.00283	1	03/28/2018 19:40	WG1090297
2,2-Dichloropropane	U		0.000316	0.00113	1	03/28/2018 19:40	WG1090297
Di-isopropyl ether	U	J0	0.000281	0.00113	1	03/28/2018 19:40	WG1090297
Ethylbenzene	U		0.000336	0.00113	1	03/28/2018 19:40	WG1090297
Hexachloro-1,3-butadiene	U		0.000387	0.00113	1	03/28/2018 19:40	WG1090297
2-Hexanone	U		0.00155	0.0113	1	03/28/2018 19:40	WG1090297
n-Hexane	U	J0	0.000328	0.0113	1	03/28/2018 19:40	WG1090297
Iodomethane	U		0.00286	0.0113	1	03/28/2018 19:40	WG1090297
Isopropylbenzene	U		0.000275	0.00113	1	03/28/2018 19:40	WG1090297
p-Isopropyltoluene	U		0.000231	0.00113	1	03/28/2018 19:40	WG1090297
2-Butanone (MEK)	U	J0	0.00530	0.0113	1	03/28/2018 19:40	WG1090297
Methylene Chloride	U		0.00113	0.00566	1	03/28/2018 19:40	WG1090297
4-Methyl-2-pentanone (MIBK)	U		0.00213	0.0113	1	03/28/2018 19:40	WG1090297

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000240	0.00113	1	03/28/2018 19:40	WG1090297
Naphthalene	U		0.00113	0.00566	1	03/28/2018 19:40	WG1090297
n-Propylbenzene	U		0.000233	0.00113	1	03/28/2018 19:40	WG1090297
Styrene	U		0.000265	0.00113	1	03/28/2018 19:40	WG1090297
1,1,1,2-Tetrachloroethane	U		0.000299	0.00113	1	03/28/2018 19:40	WG1090297
1,1,2,2-Tetrachloroethane	U		0.000413	0.00113	1	03/28/2018 19:40	WG1090297
1,1,2-Trichlorotrifluoroethane	U		0.000413	0.00113	1	03/28/2018 19:40	WG1090297
Tetrachloroethene	0.00589		0.000312	0.00113	1	03/29/2018 19:06	WG1090297
Toluene	U		0.000491	0.00566	1	03/28/2018 19:40	WG1090297
1,2,3-Trichlorobenzene	U		0.000346	0.00113	1	03/28/2018 19:40	WG1090297
1,2,4-Trichlorobenzene	U		0.000439	0.00113	1	03/28/2018 19:40	WG1090297
1,1,1-Trichloroethane	U		0.000324	0.00113	1	03/28/2018 19:40	WG1090297
1,1,2-Trichloroethane	U		0.000314	0.00113	1	03/28/2018 19:40	WG1090297
Trichloroethene	U		0.000316	0.00113	1	03/28/2018 19:40	WG1090297
Trichlorofluoromethane	U		0.000432	0.00566	1	03/28/2018 19:40	WG1090297
1,2,3-Trichloropropane	U		0.000839	0.00283	1	03/28/2018 19:40	WG1090297
1,2,4-Trimethylbenzene	U		0.000239	0.00113	1	03/28/2018 19:40	WG1090297
1,2,3-Trimethylbenzene	U		0.000325	0.00113	1	03/28/2018 19:40	WG1090297
1,3,5-Trimethylbenzene	U		0.000301	0.00113	1	03/28/2018 19:40	WG1090297
Vinyl acetate	U		0.00271	0.0113	1	03/28/2018 19:40	WG1090297
Vinyl chloride	U		0.000329	0.00113	1	03/28/2018 19:40	WG1090297
Xylenes, Total	U		0.000790	0.00340	1	03/28/2018 19:40	WG1090297
(S) Toluene-d8	*106*			*80.0-120*		*03/28/2018 19:40*	WG1090297
(S) Toluene-d8	*95.0*			*80.0-120*		*03/29/2018 19:06*	WG1090297
(S) Dibromofluoromethane	*103*			*74.0-131*		*03/29/2018 19:06*	WG1090297
(S) Dibromofluoromethane	*102*			*74.0-131*		*03/28/2018 19:40*	WG1090297
(S) 4-Bromofluorobenzene	*89.1*			*64.0-132*		*03/28/2018 19:40*	WG1090297
(S) 4-Bromofluorobenzene	*93.2*			*64.0-132*		*03/29/2018 19:06*	WG1090297

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	85.6		1	03/30/2018 14:33	WG1091415

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.0247	J	0.0117	0.0584	1	03/29/2018 17:50	WG1091141
Acrylonitrile	U		0.00209	0.0117	1	03/29/2018 17:50	WG1091141
Benzene	0.00101	J	0.000315	0.00117	1	03/29/2018 17:50	WG1091141
Bromobenzene	U		0.000332	0.00117	1	03/29/2018 17:50	WG1091141
Bromodichloromethane	U		0.000297	0.00117	1	03/29/2018 17:50	WG1091141
Bromochloromethane	U		0.000455	0.00584	1	03/29/2018 17:50	WG1091141
Bromoform	U		0.000495	0.00117	1	03/29/2018 17:50	WG1091141
Bromomethane	U		0.00156	0.00584	1	03/29/2018 17:50	WG1091141
n-Butylbenzene	U		0.000301	0.00117	1	03/29/2018 17:50	WG1091141
sec-Butylbenzene	U		0.000235	0.00117	1	03/29/2018 17:50	WG1091141
tert-Butylbenzene	U		0.000241	0.00117	1	03/29/2018 17:50	WG1091141
Carbon disulfide	0.000467	J	0.000258	0.00117	1	03/29/2018 17:50	WG1091141
Carbon tetrachloride	U		0.000383	0.00117	1	03/29/2018 17:50	WG1091141
Chlorobenzene	U		0.000248	0.00117	1	03/29/2018 17:50	WG1091141
Chlorodibromomethane	U		0.000435	0.00117	1	03/29/2018 17:50	WG1091141
Chloroethane	U		0.00110	0.00584	1	03/29/2018 17:50	WG1091141
Chloroform	U		0.000267	0.00584	1	03/29/2018 17:50	WG1091141
Chloromethane	U		0.000438	0.00292	1	03/29/2018 17:50	WG1091141
2-Chlorotoluene	U		0.000351	0.00117	1	03/29/2018 17:50	WG1091141
4-Chlorotoluene	U		0.000280	0.00117	1	03/29/2018 17:50	WG1091141
1,2-Dibromo-3-Chloropropane	U		0.00123	0.00584	1	03/29/2018 17:50	WG1091141
1,2-Dibromoethane	U		0.000400	0.00117	1	03/29/2018 17:50	WG1091141
Dibromomethane	U		0.000446	0.00117	1	03/29/2018 17:50	WG1091141
1,2-Dichlorobenzene	U		0.000356	0.00117	1	03/29/2018 17:50	WG1091141
1,3-Dichlorobenzene	U		0.000279	0.00117	1	03/29/2018 17:50	WG1091141
1,4-Dichlorobenzene	U		0.000264	0.00117	1	03/29/2018 17:50	WG1091141
Dichlorodifluoromethane	U	J0	0.000832	0.00584	1	03/29/2018 17:50	WG1091141
1,1-Dichloroethane	U		0.000232	0.00117	1	03/29/2018 17:50	WG1091141
1,2-Dichloroethane	U		0.000309	0.00117	1	03/29/2018 17:50	WG1091141
1,1-Dichloroethene	U		0.000354	0.00117	1	03/29/2018 17:50	WG1091141
cis-1,2-Dichloroethene	0.000585	J	0.000274	0.00117	1	03/29/2018 17:50	WG1091141
trans-1,2-Dichloroethene	U		0.000308	0.00117	1	03/29/2018 17:50	WG1091141
1,2-Dichloropropane	U		0.000418	0.00117	1	03/29/2018 17:50	WG1091141
1,1-Dichloropropene	U		0.000370	0.00117	1	03/29/2018 17:50	WG1091141
1,3-Dichloropropane	U		0.000242	0.00117	1	03/29/2018 17:50	WG1091141
cis-1,3-Dichloropropene	U		0.000306	0.00117	1	03/29/2018 17:50	WG1091141
trans-1,3-Dichloropropene	U		0.000312	0.00117	1	03/29/2018 17:50	WG1091141
trans-1,4-Dichloro-2-butene	U		0.000908	0.00292	1	03/29/2018 17:50	WG1091141
2,2-Dichloropropane	U		0.000326	0.00117	1	03/29/2018 17:50	WG1091141
Di-isopropyl ether	U		0.000290	0.00117	1	03/29/2018 17:50	WG1091141
Ethylbenzene	U		0.000347	0.00117	1	03/29/2018 17:50	WG1091141
Hexachloro-1,3-butadiene	U		0.000399	0.00117	1	03/29/2018 17:50	WG1091141
2-Hexanone	U		0.00160	0.0117	1	03/29/2018 17:50	WG1091141
n-Hexane	0.00319	J	0.000339	0.0117	1	03/29/2018 17:50	WG1091141
Iodomethane	U		0.00295	0.0117	1	03/29/2018 17:50	WG1091141
Isopropylbenzene	U		0.000284	0.00117	1	03/29/2018 17:50	WG1091141
p-Isopropyltoluene	U		0.000238	0.00117	1	03/29/2018 17:50	WG1091141
2-Butanone (MEK)	U		0.00546	0.0117	1	03/29/2018 17:50	WG1091141
Methylene Chloride	U		0.00117	0.00584	1	03/29/2018 17:50	WG1091141
4-Methyl-2-pentanone (MIBK)	U		0.00220	0.0117	1	03/29/2018 17:50	WG1091141

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000248	0.00117	1	03/29/2018 17:50	WG1091141
Naphthalene	U		0.00117	0.00584	1	03/29/2018 17:50	WG1091141
n-Propylbenzene	U		0.000241	0.00117	1	03/29/2018 17:50	WG1091141
Styrene	U		0.000273	0.00117	1	03/29/2018 17:50	WG1091141
1,1,1,2-Tetrachloroethane	U		0.000308	0.00117	1	03/29/2018 17:50	WG1091141
1,1,2,2-Tetrachloroethane	U		0.000426	0.00117	1	03/29/2018 17:50	WG1091141
1,1,2-Trichlorotrifluoroethane	U		0.000426	0.00117	1	03/29/2018 17:50	WG1091141
Tetrachloroethene	0.0117		0.000322	0.00117	1	03/29/2018 17:50	WG1091141
Toluene	U		0.000507	0.00584	1	03/29/2018 17:50	WG1091141
1,2,3-Trichlorobenzene	U		0.000357	0.00117	1	03/29/2018 17:50	WG1091141
1,2,4-Trichlorobenzene	U		0.000453	0.00117	1	03/29/2018 17:50	WG1091141
1,1,1-Trichloroethane	U		0.000334	0.00117	1	03/29/2018 17:50	WG1091141
1,1,2-Trichloroethane	U		0.000323	0.00117	1	03/29/2018 17:50	WG1091141
Trichloroethene	U		0.000326	0.00117	1	03/29/2018 17:50	WG1091141
Trichlorofluoromethane	U		0.000446	0.00584	1	03/29/2018 17:50	WG1091141
1,2,3-Trichloropropane	U		0.000865	0.00292	1	03/29/2018 17:50	WG1091141
1,2,4-Trimethylbenzene	U		0.000246	0.00117	1	03/29/2018 17:50	WG1091141
1,2,3-Trimethylbenzene	U		0.000335	0.00117	1	03/29/2018 17:50	WG1091141
1,3,5-Trimethylbenzene	U		0.000311	0.00117	1	03/29/2018 17:50	WG1091141
Vinyl acetate	U		0.00279	0.0117	1	03/29/2018 17:50	WG1091141
Vinyl chloride	U		0.000340	0.00117	1	03/29/2018 17:50	WG1091141
Xylenes, Total	U		0.000815	0.00350	1	03/29/2018 17:50	WG1091141
(S) Toluene-d8	*101*			*80.0-120*		*03/29/2018 17:50*	WG1091141
(S) Dibromofluoromethane	*104*			*74.0-131*		*03/29/2018 17:50*	WG1091141
(S) 4-Bromofluorobenzene	*105*			*64.0-132*		*03/29/2018 17:50*	WG1091141

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	90.9		1	03/30/2018 14:33	WG1091415

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U	J0	0.0110	0.0550	1	03/29/2018 20:04	WG1090697
Acrylonitrile	U	J0	0.00197	0.0110	1	03/29/2018 20:04	WG1090697
Benzene	U		0.000297	0.00110	1	03/29/2018 20:04	WG1090697
Bromobenzene	U		0.000312	0.00110	1	03/29/2018 20:04	WG1090697
Bromodichloromethane	U		0.000279	0.00110	1	03/29/2018 20:04	WG1090697
Bromochloromethane	U		0.000429	0.00550	1	03/29/2018 20:04	WG1090697
Bromoform	U		0.000467	0.00110	1	03/29/2018 20:04	WG1090697
Bromomethane	U		0.00147	0.00550	1	03/29/2018 20:04	WG1090697
n-Butylbenzene	U		0.000284	0.00110	1	03/29/2018 20:04	WG1090697
sec-Butylbenzene	U		0.000221	0.00110	1	03/29/2018 20:04	WG1090697
tert-Butylbenzene	U		0.000227	0.00110	1	03/29/2018 20:04	WG1090697
Carbon disulfide	U		0.000243	0.00110	1	03/29/2018 20:04	WG1090697
Carbon tetrachloride	U		0.000361	0.00110	1	03/29/2018 20:04	WG1090697
Chlorobenzene	U		0.000233	0.00110	1	03/29/2018 20:04	WG1090697
Chlorodibromomethane	U		0.000410	0.00110	1	03/29/2018 20:04	WG1090697
Chloroethane	U		0.00104	0.00550	1	03/29/2018 20:04	WG1090697
Chloroform	U		0.000252	0.00550	1	03/29/2018 20:04	WG1090697
Chloromethane	U	J0	0.000413	0.00275	1	03/29/2018 20:04	WG1090697
2-Chlorotoluene	U		0.000331	0.00110	1	03/29/2018 20:04	WG1090697
4-Chlorotoluene	U		0.000264	0.00110	1	03/29/2018 20:04	WG1090697
1,2-Dibromo-3-Chloropropane	U		0.00116	0.00550	1	03/29/2018 20:04	WG1090697
1,2-Dibromoethane	U		0.000377	0.00110	1	03/29/2018 20:04	WG1090697
Dibromomethane	U		0.000420	0.00110	1	03/29/2018 20:04	WG1090697
1,2-Dichlorobenzene	U		0.000336	0.00110	1	03/29/2018 20:04	WG1090697
1,3-Dichlorobenzene	U		0.000263	0.00110	1	03/29/2018 20:04	WG1090697
1,4-Dichlorobenzene	U		0.000249	0.00110	1	03/29/2018 20:04	WG1090697
Dichlorodifluoromethane	U	J0	0.000785	0.00550	1	03/29/2018 20:04	WG1090697
1,1-Dichloroethane	U		0.000219	0.00110	1	03/29/2018 20:04	WG1090697
1,2-Dichloroethane	U		0.000292	0.00110	1	03/29/2018 20:04	WG1090697
1,1-Dichloroethene	U		0.000333	0.00110	1	03/29/2018 20:04	WG1090697
cis-1,2-Dichloroethene	0.00149		0.000259	0.00110	1	03/29/2018 20:04	WG1090697
trans-1,2-Dichloroethene	U		0.000290	0.00110	1	03/29/2018 20:04	WG1090697
1,2-Dichloropropane	U		0.000394	0.00110	1	03/29/2018 20:04	WG1090697
1,1-Dichloropropene	U		0.000349	0.00110	1	03/29/2018 20:04	WG1090697
1,3-Dichloropropane	U		0.000228	0.00110	1	03/29/2018 20:04	WG1090697
cis-1,3-Dichloropropene	U		0.000288	0.00110	1	03/29/2018 20:04	WG1090697
trans-1,3-Dichloropropene	U		0.000294	0.00110	1	03/29/2018 20:04	WG1090697
trans-1,4-Dichloro-2-butene	U		0.000856	0.00275	1	03/29/2018 20:04	WG1090697
2,2-Dichloropropane	U		0.000307	0.00110	1	03/29/2018 20:04	WG1090697
Di-isopropyl ether	U	J0	0.000273	0.00110	1	03/29/2018 20:04	WG1090697
Ethylbenzene	U		0.000327	0.00110	1	03/29/2018 20:04	WG1090697
Hexachloro-1,3-butadiene	U		0.000376	0.00110	1	03/29/2018 20:04	WG1090697
2-Hexanone	U	J0	0.00151	0.0110	1	03/29/2018 20:04	WG1090697
n-Hexane	U	J0	0.000319	0.0110	1	03/29/2018 20:04	WG1090697
Iodomethane	U		0.00278	0.0110	1	03/29/2018 20:04	WG1090697
Isopropylbenzene	U		0.000267	0.00110	1	03/29/2018 20:04	WG1090697
p-Isopropyltoluene	U		0.000224	0.00110	1	03/29/2018 20:04	WG1090697
2-Butanone (MEK)	U	J0	0.00515	0.0110	1	03/29/2018 20:04	WG1090697
Methylene Chloride	U		0.00110	0.00550	1	03/29/2018 20:04	WG1090697
4-Methyl-2-pentanone (MIBK)	U	J0	0.00207	0.0110	1	03/29/2018 20:04	WG1090697

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000233	0.00110	1	03/29/2018 20:04	WG1090697
Naphthalene	U		0.00110	0.00550	1	03/29/2018 20:04	WG1090697
n-Propylbenzene	U		0.000227	0.00110	1	03/29/2018 20:04	WG1090697
Styrene	U		0.000257	0.00110	1	03/29/2018 20:04	WG1090697
1,1,1,2-Tetrachloroethane	U		0.000290	0.00110	1	03/29/2018 20:04	WG1090697
1,1,2,2-Tetrachloroethane	U		0.000402	0.00110	1	03/29/2018 20:04	WG1090697
1,1,2-Trichlorotrifluoroethane	U		0.000402	0.00110	1	03/29/2018 20:04	WG1090697
Tetrachloroethene	0.0775		0.000304	0.00110	1	03/29/2018 20:04	WG1090697
Toluene	U		0.000478	0.00550	1	03/29/2018 20:04	WG1090697
1,2,3-Trichlorobenzene	U		0.000337	0.00110	1	03/29/2018 20:04	WG1090697
1,2,4-Trichlorobenzene	U		0.000427	0.00110	1	03/29/2018 20:04	WG1090697
1,1,1-Trichloroethane	U		0.000315	0.00110	1	03/29/2018 20:04	WG1090697
1,1,2-Trichloroethane	U		0.000305	0.00110	1	03/29/2018 20:04	WG1090697
Trichloroethene	0.00543		0.000307	0.00110	1	03/29/2018 20:04	WG1090697
Trichlorofluoromethane	U		0.000420	0.00550	1	03/29/2018 20:04	WG1090697
1,2,3-Trichloropropane	U		0.000815	0.00275	1	03/29/2018 20:04	WG1090697
1,2,4-Trimethylbenzene	U		0.000232	0.00110	1	03/29/2018 20:04	WG1090697
1,2,3-Trimethylbenzene	U		0.000316	0.00110	1	03/29/2018 20:04	WG1090697
1,3,5-Trimethylbenzene	U		0.000293	0.00110	1	03/29/2018 20:04	WG1090697
Vinyl acetate	U		0.00263	0.0110	1	03/29/2018 20:04	WG1090697
Vinyl chloride	U		0.000320	0.00110	1	03/29/2018 20:04	WG1090697
Xylenes, Total	U		0.000768	0.00330	1	03/29/2018 20:04	WG1090697
(S) Toluene-d8	*95.7*			*80.0-120*		*03/29/2018 20:04*	WG1090697
(S) Dibromofluoromethane	*104*			*74.0-131*		*03/29/2018 20:04*	WG1090697
(S) 4-Bromofluorobenzene	*90.4*			*64.0-132*		*03/29/2018 20:04*	WG1090697

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	88.8		1	03/30/2018 14:33	WG1091415

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U	J0	0.0113	0.0563	1	03/30/2018 13:49	WG1091540
Acrylonitrile	U		0.00202	0.0113	1	03/30/2018 13:49	WG1091540
Benzene	U		0.000304	0.00113	1	03/30/2018 13:49	WG1091540
Bromobenzene	U		0.000320	0.00113	1	03/30/2018 13:49	WG1091540
Bromodichloromethane	U	J0	0.000286	0.00113	1	03/30/2018 13:49	WG1091540
Bromochloromethane	U		0.000439	0.00563	1	03/30/2018 13:49	WG1091540
Bromoform	U		0.000477	0.00113	1	03/30/2018 13:49	WG1091540
Bromomethane	U		0.00151	0.00563	1	03/30/2018 13:49	WG1091540
n-Butylbenzene	U		0.000290	0.00113	1	03/30/2018 13:49	WG1091540
sec-Butylbenzene	U		0.000226	0.00113	1	03/30/2018 13:49	WG1091540
tert-Butylbenzene	U		0.000232	0.00113	1	03/30/2018 13:49	WG1091540
Carbon disulfide	0.000616	J	0.000249	0.00113	1	03/30/2018 13:49	WG1091540
Carbon tetrachloride	U		0.000369	0.00113	1	03/30/2018 13:49	WG1091540
Chlorobenzene	U		0.000239	0.00113	1	03/30/2018 13:49	WG1091540
Chlorodibromomethane	U	J0	0.000420	0.00113	1	03/30/2018 13:49	WG1091540
Chloroethane	U		0.00107	0.00563	1	03/30/2018 13:49	WG1091540
Chloroform	U		0.000258	0.00563	1	03/30/2018 13:49	WG1091540
Chloromethane	U		0.000422	0.00281	1	03/30/2018 13:49	WG1091540
2-Chlorotoluene	U		0.000339	0.00113	1	03/30/2018 13:49	WG1091540
4-Chlorotoluene	U		0.000270	0.00113	1	03/30/2018 13:49	WG1091540
1,2-Dibromo-3-Chloropropane	U	J0	0.00118	0.00563	1	03/30/2018 13:49	WG1091540
1,2-Dibromoethane	U	J0	0.000386	0.00113	1	03/30/2018 13:49	WG1091540
Dibromomethane	U		0.000430	0.00113	1	03/30/2018 13:49	WG1091540
1,2-Dichlorobenzene	U		0.000343	0.00113	1	03/30/2018 13:49	WG1091540
1,3-Dichlorobenzene	U		0.000269	0.00113	1	03/30/2018 13:49	WG1091540
1,4-Dichlorobenzene	U		0.000254	0.00113	1	03/30/2018 13:49	WG1091540
Dichlorodifluoromethane	U		0.000803	0.00563	1	03/30/2018 13:49	WG1091540
1,1-Dichloroethane	U		0.000224	0.00113	1	03/30/2018 13:49	WG1091540
1,2-Dichloroethane	U		0.000298	0.00113	1	03/30/2018 13:49	WG1091540
1,1-Dichloroethene	U		0.000341	0.00113	1	03/30/2018 13:49	WG1091540
cis-1,2-Dichloroethene	0.00777		0.000265	0.00113	1	03/30/2018 13:49	WG1091540
trans-1,2-Dichloroethene	U		0.000297	0.00113	1	03/30/2018 13:49	WG1091540
1,2-Dichloropropane	U		0.000403	0.00113	1	03/30/2018 13:49	WG1091540
1,1-Dichloropropene	U		0.000357	0.00113	1	03/30/2018 13:49	WG1091540
1,3-Dichloropropane	U		0.000233	0.00113	1	03/30/2018 13:49	WG1091540
cis-1,3-Dichloropropene	U		0.000295	0.00113	1	03/30/2018 13:49	WG1091540
trans-1,3-Dichloropropene	U		0.000301	0.00113	1	03/30/2018 13:49	WG1091540
trans-1,4-Dichloro-2-butene	U	J0	0.000876	0.00281	1	03/30/2018 13:49	WG1091540
2,2-Dichloropropane	U		0.000314	0.00113	1	03/30/2018 13:49	WG1091540
Di-isopropyl ether	U		0.000279	0.00113	1	03/30/2018 13:49	WG1091540
Ethylbenzene	U		0.000334	0.00113	1	03/30/2018 13:49	WG1091540
Hexachloro-1,3-butadiene	U		0.000385	0.00113	1	03/30/2018 13:49	WG1091540
2-Hexanone	U	J0	0.00154	0.0113	1	03/30/2018 13:49	WG1091540
n-Hexane	U		0.000327	0.0113	1	03/30/2018 13:49	WG1091540
Iodomethane	U		0.00285	0.0113	1	03/30/2018 13:49	WG1091540
Isopropylbenzene	U		0.000274	0.00113	1	03/30/2018 13:49	WG1091540
p-Isopropyltoluene	U		0.000230	0.00113	1	03/30/2018 13:49	WG1091540
2-Butanone (MEK)	U		0.00527	0.0113	1	03/30/2018 13:49	WG1091540
Methylene Chloride	U		0.00113	0.00563	1	03/30/2018 13:49	WG1091540
4-Methyl-2-pentanone (MIBK)	U		0.00212	0.0113	1	03/30/2018 13:49	WG1091540

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000239	0.00113	1	03/30/2018 13:49	WG1091540
Naphthalene	U		0.00113	0.00563	1	03/30/2018 13:49	WG1091540
n-Propylbenzene	U		0.000232	0.00113	1	03/30/2018 13:49	WG1091540
Styrene	U		0.000263	0.00113	1	03/30/2018 13:49	WG1091540
1,1,1,2-Tetrachloroethane	U		0.000297	0.00113	1	03/30/2018 13:49	WG1091540
1,1,2,2-Tetrachloroethane	U		0.000411	0.00113	1	03/30/2018 13:49	WG1091540
1,1,2-Trichlorotrifluoroethane	U	J4	0.000411	0.00113	1	03/30/2018 13:49	WG1091540
Tetrachloroethene	0.924		0.0155	0.0563	50	04/01/2018 16:26	WG1091540
Toluene	U		0.000489	0.00563	1	03/30/2018 13:49	WG1091540
1,2,3-Trichlorobenzene	U		0.000345	0.00113	1	03/30/2018 13:49	WG1091540
1,2,4-Trichlorobenzene	U		0.000437	0.00113	1	03/30/2018 13:49	WG1091540
1,1,1-Trichloroethane	U		0.000322	0.00113	1	03/30/2018 13:49	WG1091540
1,1,2-Trichloroethane	U	J0	0.000312	0.00113	1	03/30/2018 13:49	WG1091540
Trichloroethene	0.0104		0.000314	0.00113	1	03/30/2018 13:49	WG1091540
Trichlorofluoromethane	U	J4	0.000430	0.00563	1	03/30/2018 13:49	WG1091540
1,2,3-Trichloropropane	U		0.000834	0.00281	1	03/30/2018 13:49	WG1091540
1,2,4-Trimethylbenzene	U		0.000238	0.00113	1	03/30/2018 13:49	WG1091540
1,2,3-Trimethylbenzene	U		0.000323	0.00113	1	03/30/2018 13:49	WG1091540
1,3,5-Trimethylbenzene	U		0.000300	0.00113	1	03/30/2018 13:49	WG1091540
Vinyl acetate	U	J4	0.00269	0.0113	1	03/30/2018 13:49	WG1091540
Vinyl chloride	U		0.000328	0.00113	1	03/30/2018 13:49	WG1091540
Xylenes, Total	U		0.000786	0.00338	1	03/30/2018 13:49	WG1091540
(S) Toluene-d8	*101*			*80.0-120*		*03/30/2018 13:49*	WG1091540
(S) Toluene-d8	*113*			*80.0-120*		*04/01/2018 16:26*	WG1091540
(S) Dibromofluoromethane	*111*			*74.0-131*		*03/30/2018 13:49*	WG1091540
(S) Dibromofluoromethane	*94.7*			*74.0-131*		*04/01/2018 16:26*	WG1091540
(S) 4-Bromofluorobenzene	*88.9*			*64.0-132*		*04/01/2018 16:26*	WG1091540
(S) 4-Bromofluorobenzene	*111*			*64.0-132*		*03/30/2018 13:49*	WG1091540

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	90.7		1	03/30/2018 14:33	WG1091415

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U	J0	0.0110	0.0551	1	03/30/2018 14:10	WG1091540
Acrylonitrile	U		0.00197	0.0110	1	03/30/2018 14:10	WG1091540
Benzene	U		0.000298	0.00110	1	03/30/2018 14:10	WG1091540
Bromobenzene	U		0.000313	0.00110	1	03/30/2018 14:10	WG1091540
Bromodichloromethane	U	J0	0.000280	0.00110	1	03/30/2018 14:10	WG1091540
Bromochloromethane	U		0.000430	0.00551	1	03/30/2018 14:10	WG1091540
Bromoform	U		0.000467	0.00110	1	03/30/2018 14:10	WG1091540
Bromomethane	U		0.00148	0.00551	1	03/30/2018 14:10	WG1091540
n-Butylbenzene	U		0.000284	0.00110	1	03/30/2018 14:10	WG1091540
sec-Butylbenzene	U		0.000222	0.00110	1	03/30/2018 14:10	WG1091540
tert-Butylbenzene	U		0.000227	0.00110	1	03/30/2018 14:10	WG1091540
Carbon disulfide	0.000291	J	0.000244	0.00110	1	03/30/2018 14:10	WG1091540
Carbon tetrachloride	U		0.000362	0.00110	1	03/30/2018 14:10	WG1091540
Chlorobenzene	U		0.000234	0.00110	1	03/30/2018 14:10	WG1091540
Chlorodibromomethane	U	J0	0.000411	0.00110	1	03/30/2018 14:10	WG1091540
Chloroethane	U		0.00104	0.00551	1	03/30/2018 14:10	WG1091540
Chloroform	U		0.000252	0.00551	1	03/30/2018 14:10	WG1091540
Chloromethane	U		0.000413	0.00276	1	03/30/2018 14:10	WG1091540
2-Chlorotoluene	U		0.000332	0.00110	1	03/30/2018 14:10	WG1091540
4-Chlorotoluene	U		0.000265	0.00110	1	03/30/2018 14:10	WG1091540
1,2-Dibromo-3-Chloropropane	U	J0	0.00116	0.00551	1	03/30/2018 14:10	WG1091540
1,2-Dibromoethane	U	J0	0.000378	0.00110	1	03/30/2018 14:10	WG1091540
Dibromomethane	U		0.000421	0.00110	1	03/30/2018 14:10	WG1091540
1,2-Dichlorobenzene	U		0.000336	0.00110	1	03/30/2018 14:10	WG1091540
1,3-Dichlorobenzene	U		0.000263	0.00110	1	03/30/2018 14:10	WG1091540
1,4-Dichlorobenzene	U		0.000249	0.00110	1	03/30/2018 14:10	WG1091540
Dichlorodifluoromethane	U		0.000786	0.00551	1	03/30/2018 14:10	WG1091540
1,1-Dichloroethane	U		0.000219	0.00110	1	03/30/2018 14:10	WG1091540
1,2-Dichloroethane	U		0.000292	0.00110	1	03/30/2018 14:10	WG1091540
1,1-Dichloroethene	U		0.000334	0.00110	1	03/30/2018 14:10	WG1091540
cis-1,2-Dichloroethene	0.00569		0.000259	0.00110	1	03/30/2018 14:10	WG1091540
trans-1,2-Dichloroethene	U		0.000291	0.00110	1	03/30/2018 14:10	WG1091540
1,2-Dichloropropane	U		0.000395	0.00110	1	03/30/2018 14:10	WG1091540
1,1-Dichloropropene	U		0.000349	0.00110	1	03/30/2018 14:10	WG1091540
1,3-Dichloropropane	U		0.000228	0.00110	1	03/30/2018 14:10	WG1091540
cis-1,3-Dichloropropene	U		0.000289	0.00110	1	03/30/2018 14:10	WG1091540
trans-1,3-Dichloropropene	U		0.000294	0.00110	1	03/30/2018 14:10	WG1091540
trans-1,4-Dichloro-2-butene	U	J0	0.000858	0.00276	1	03/30/2018 14:10	WG1091540
2,2-Dichloropropane	U		0.000308	0.00110	1	03/30/2018 14:10	WG1091540
Di-isopropyl ether	U		0.000273	0.00110	1	03/30/2018 14:10	WG1091540
Ethylbenzene	U		0.000327	0.00110	1	03/30/2018 14:10	WG1091540
Hexachloro-1,3-butadiene	U		0.000377	0.00110	1	03/30/2018 14:10	WG1091540
2-Hexanone	U	J0	0.00151	0.0110	1	03/30/2018 14:10	WG1091540
n-Hexane	U		0.000320	0.0110	1	03/30/2018 14:10	WG1091540
Iodomethane	U		0.00279	0.0110	1	03/30/2018 14:10	WG1091540
Isopropylbenzene	U		0.000268	0.00110	1	03/30/2018 14:10	WG1091540
p-Isopropyltoluene	U		0.000225	0.00110	1	03/30/2018 14:10	WG1091540
2-Butanone (MEK)	U		0.00516	0.0110	1	03/30/2018 14:10	WG1091540
Methylene Chloride	U		0.00110	0.00551	1	03/30/2018 14:10	WG1091540
4-Methyl-2-pentanone (MIBK)	U		0.00207	0.0110	1	03/30/2018 14:10	WG1091540

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000234	0.00110	1	03/30/2018 14:10	WG1091540
Naphthalene	U		0.00110	0.00551	1	03/30/2018 14:10	WG1091540
n-Propylbenzene	U		0.000227	0.00110	1	03/30/2018 14:10	WG1091540
Styrene	U		0.000258	0.00110	1	03/30/2018 14:10	WG1091540
1,1,1,2-Tetrachloroethane	U		0.000291	0.00110	1	03/30/2018 14:10	WG1091540
1,1,2,2-Tetrachloroethane	U		0.000402	0.00110	1	03/30/2018 14:10	WG1091540
1,1,2-Trichlorotrifluoroethane	U	J4	0.000402	0.00110	1	03/30/2018 14:10	WG1091540
Tetrachloroethene	0.127	J0	0.000304	0.00110	1	03/30/2018 14:10	WG1091540
Toluene	U		0.000478	0.00551	1	03/30/2018 14:10	WG1091540
1,2,3-Trichlorobenzene	U		0.000337	0.00110	1	03/30/2018 14:10	WG1091540
1,2,4-Trichlorobenzene	U		0.000428	0.00110	1	03/30/2018 14:10	WG1091540
1,1,1-Trichloroethane	U		0.000315	0.00110	1	03/30/2018 14:10	WG1091540
1,1,2-Trichloroethane	U	J0	0.000305	0.00110	1	03/30/2018 14:10	WG1091540
Trichloroethene	0.00751		0.000308	0.00110	1	03/30/2018 14:10	WG1091540
Trichlorofluoromethane	U	J4	0.000421	0.00551	1	03/30/2018 14:10	WG1091540
1,2,3-Trichloropropane	U		0.000817	0.00276	1	03/30/2018 14:10	WG1091540
1,2,4-Trimethylbenzene	U		0.000233	0.00110	1	03/30/2018 14:10	WG1091540
1,2,3-Trimethylbenzene	U		0.000316	0.00110	1	03/30/2018 14:10	WG1091540
1,3,5-Trimethylbenzene	U		0.000293	0.00110	1	03/30/2018 14:10	WG1091540
Vinyl acetate	U	J4	0.00263	0.0110	1	03/30/2018 14:10	WG1091540
Vinyl chloride	U		0.000321	0.00110	1	03/30/2018 14:10	WG1091540
Xylenes, Total	U		0.000769	0.00331	1	03/30/2018 14:10	WG1091540
(S) Toluene-d8	*101*			*80.0-120*		*03/30/2018 14:10*	WG1091540
(S) Dibromofluoromethane	*115*			*74.0-131*		*03/30/2018 14:10*	WG1091540
(S) 4-Bromofluorobenzene	*109*			*64.0-132*		*03/30/2018 14:10*	WG1091540

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	86.9		1	03/30/2018 14:01	WG1091416

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U	J0	0.0115	0.0575	1	03/30/2018 14:39	WG1091540
Acrylonitrile	U		0.00206	0.0115	1	03/30/2018 14:39	WG1091540
Benzene	U		0.000311	0.00115	1	03/30/2018 14:39	WG1091540
Bromobenzene	U		0.000327	0.00115	1	03/30/2018 14:39	WG1091540
Bromodichloromethane	U	J0	0.000292	0.00115	1	03/30/2018 14:39	WG1091540
Bromochloromethane	U		0.000449	0.00575	1	03/30/2018 14:39	WG1091540
Bromoform	U		0.000488	0.00115	1	03/30/2018 14:39	WG1091540
Bromomethane	U		0.00154	0.00575	1	03/30/2018 14:39	WG1091540
n-Butylbenzene	U		0.000297	0.00115	1	03/30/2018 14:39	WG1091540
sec-Butylbenzene	U		0.000231	0.00115	1	03/30/2018 14:39	WG1091540
tert-Butylbenzene	U		0.000237	0.00115	1	03/30/2018 14:39	WG1091540
Carbon disulfide	0.00108	J	0.000254	0.00115	1	03/30/2018 14:39	WG1091540
Carbon tetrachloride	U		0.000377	0.00115	1	03/30/2018 14:39	WG1091540
Chlorobenzene	U		0.000244	0.00115	1	03/30/2018 14:39	WG1091540
Chlorodibromomethane	U	J0	0.000429	0.00115	1	03/30/2018 14:39	WG1091540
Chloroethane	U		0.00109	0.00575	1	03/30/2018 14:39	WG1091540
Chloroform	U		0.000263	0.00575	1	03/30/2018 14:39	WG1091540
Chloromethane	U		0.000431	0.00288	1	03/30/2018 14:39	WG1091540
2-Chlorotoluene	U		0.000346	0.00115	1	03/30/2018 14:39	WG1091540
4-Chlorotoluene	U		0.000276	0.00115	1	03/30/2018 14:39	WG1091540
1,2-Dibromo-3-Chloropropane	U	J0	0.00121	0.00575	1	03/30/2018 14:39	WG1091540
1,2-Dibromoethane	U	J0	0.000395	0.00115	1	03/30/2018 14:39	WG1091540
Dibromomethane	U		0.000440	0.00115	1	03/30/2018 14:39	WG1091540
1,2-Dichlorobenzene	U		0.000351	0.00115	1	03/30/2018 14:39	WG1091540
1,3-Dichlorobenzene	U		0.000275	0.00115	1	03/30/2018 14:39	WG1091540
1,4-Dichlorobenzene	U		0.000260	0.00115	1	03/30/2018 14:39	WG1091540
Dichlorodifluoromethane	U		0.000820	0.00575	1	03/30/2018 14:39	WG1091540
1,1-Dichloroethane	U		0.000229	0.00115	1	03/30/2018 14:39	WG1091540
1,2-Dichloroethane	U		0.000305	0.00115	1	03/30/2018 14:39	WG1091540
1,1-Dichloroethene	0.000718	J	0.000349	0.00115	1	03/30/2018 14:39	WG1091540
cis-1,2-Dichloroethene	0.0901		0.000270	0.00115	1	03/30/2018 14:39	WG1091540
trans-1,2-Dichloroethene	0.000991	J	0.000304	0.00115	1	03/30/2018 14:39	WG1091540
1,2-Dichloropropane	U		0.000412	0.00115	1	03/30/2018 14:39	WG1091540
1,1-Dichloropropene	U		0.000365	0.00115	1	03/30/2018 14:39	WG1091540
1,3-Dichloropropane	U		0.000238	0.00115	1	03/30/2018 14:39	WG1091540
cis-1,3-Dichloropropene	U		0.000301	0.00115	1	03/30/2018 14:39	WG1091540
trans-1,3-Dichloropropene	U		0.000307	0.00115	1	03/30/2018 14:39	WG1091540
trans-1,4-Dichloro-2-butene	U	J0	0.000895	0.00288	1	03/30/2018 14:39	WG1091540
2,2-Dichloropropane	U		0.000321	0.00115	1	03/30/2018 14:39	WG1091540
Di-isopropyl ether	U		0.000285	0.00115	1	03/30/2018 14:39	WG1091540
Ethylbenzene	U		0.000342	0.00115	1	03/30/2018 14:39	WG1091540
Hexachloro-1,3-butadiene	U		0.000393	0.00115	1	03/30/2018 14:39	WG1091540
2-Hexanone	U	J0	0.00158	0.0115	1	03/30/2018 14:39	WG1091540
n-Hexane	U		0.000334	0.0115	1	03/30/2018 14:39	WG1091540
Iodomethane	U		0.00291	0.0115	1	03/30/2018 14:39	WG1091540
Isopropylbenzene	U		0.000280	0.00115	1	03/30/2018 14:39	WG1091540
p-Isopropyltoluene	U		0.000235	0.00115	1	03/30/2018 14:39	WG1091540
2-Butanone (MEK)	U		0.00538	0.0115	1	03/30/2018 14:39	WG1091540
Methylene Chloride	U		0.00115	0.00575	1	03/30/2018 14:39	WG1091540
4-Methyl-2-pentanone (MIBK)	U		0.00216	0.0115	1	03/30/2018 14:39	WG1091540

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000244	0.00115	1	03/30/2018 14:39	WG1091540
Naphthalene	U		0.00115	0.00575	1	03/30/2018 14:39	WG1091540
n-Propylbenzene	U		0.000237	0.00115	1	03/30/2018 14:39	WG1091540
Styrene	U		0.000269	0.00115	1	03/30/2018 14:39	WG1091540
1,1,1,2-Tetrachloroethane	U		0.000304	0.00115	1	03/30/2018 14:39	WG1091540
1,1,2,2-Tetrachloroethane	U		0.000420	0.00115	1	03/30/2018 14:39	WG1091540
1,1,2-Trichlorotrifluoroethane	U	J4	0.000420	0.00115	1	03/30/2018 14:39	WG1091540
Tetrachloroethene	0.00825	J0	0.000318	0.00115	1	03/30/2018 14:39	WG1091540
Toluene	U		0.000499	0.00575	1	03/30/2018 14:39	WG1091540
1,2,3-Trichlorobenzene	U		0.000352	0.00115	1	03/30/2018 14:39	WG1091540
1,2,4-Trichlorobenzene	U		0.000446	0.00115	1	03/30/2018 14:39	WG1091540
1,1,1-Trichloroethane	U		0.000329	0.00115	1	03/30/2018 14:39	WG1091540
1,1,2-Trichloroethane	U	J0	0.000319	0.00115	1	03/30/2018 14:39	WG1091540
Trichloroethene	0.00215		0.000321	0.00115	1	03/30/2018 14:39	WG1091540
Trichlorofluoromethane	U	J4	0.000440	0.00575	1	03/30/2018 14:39	WG1091540
1,2,3-Trichloropropane	U		0.000853	0.00288	1	03/30/2018 14:39	WG1091540
1,2,4-Trimethylbenzene	U		0.000243	0.00115	1	03/30/2018 14:39	WG1091540
1,2,3-Trimethylbenzene	U		0.000330	0.00115	1	03/30/2018 14:39	WG1091540
1,3,5-Trimethylbenzene	U		0.000306	0.00115	1	03/30/2018 14:39	WG1091540
Vinyl acetate	U	J4	0.00275	0.0115	1	03/30/2018 14:39	WG1091540
Vinyl chloride	U		0.000335	0.00115	1	03/30/2018 14:39	WG1091540
Xylenes, Total	U		0.000803	0.00345	1	03/30/2018 14:39	WG1091540
(S) Toluene-d8	*103*			*80.0-120*		*03/30/2018 14:39*	WG1091540
(S) Dibromofluoromethane	*117*			*74.0-131*		*03/30/2018 14:39*	WG1091540
(S) 4-Bromofluorobenzene	*107*			*64.0-132*		*03/30/2018 14:39*	WG1091540

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	91.6		1	03/30/2018 14:01	WG1091416

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U	J0	0.0109	0.0546	1	03/30/2018 15:00	WG1091540
Acrylonitrile	U		0.00195	0.0109	1	03/30/2018 15:00	WG1091540
Benzene	U		0.000295	0.00109	1	03/30/2018 15:00	WG1091540
Bromobenzene	U		0.000310	0.00109	1	03/30/2018 15:00	WG1091540
Bromodichloromethane	U	J0	0.000277	0.00109	1	03/30/2018 15:00	WG1091540
Bromochloromethane	U		0.000426	0.00546	1	03/30/2018 15:00	WG1091540
Bromoform	U		0.000463	0.00109	1	03/30/2018 15:00	WG1091540
Bromomethane	U		0.00146	0.00546	1	03/30/2018 15:00	WG1091540
n-Butylbenzene	U		0.000282	0.00109	1	03/30/2018 15:00	WG1091540
sec-Butylbenzene	U		0.000219	0.00109	1	03/30/2018 15:00	WG1091540
tert-Butylbenzene	U		0.000225	0.00109	1	03/30/2018 15:00	WG1091540
Carbon disulfide	0.00119		0.000241	0.00109	1	03/30/2018 15:00	WG1091540
Carbon tetrachloride	U		0.000358	0.00109	1	03/30/2018 15:00	WG1091540
Chlorobenzene	U		0.000231	0.00109	1	03/30/2018 15:00	WG1091540
Chlorodibromomethane	U		0.000407	0.00109	1	03/30/2018 15:00	WG1091540
Chloroethane	U		0.00103	0.00546	1	03/30/2018 15:00	WG1091540
Chloroform	U		0.000250	0.00546	1	03/30/2018 15:00	WG1091540
Chloromethane	U		0.000409	0.00273	1	03/30/2018 15:00	WG1091540
2-Chlorotoluene	U		0.000329	0.00109	1	03/30/2018 15:00	WG1091540
4-Chlorotoluene	U		0.000262	0.00109	1	03/30/2018 15:00	WG1091540
1,2-Dibromo-3-Chloropropane	U	J0	0.00115	0.00546	1	03/30/2018 15:00	WG1091540
1,2-Dibromoethane	U	J0	0.000374	0.00109	1	03/30/2018 15:00	WG1091540
Dibromomethane	U		0.000417	0.00109	1	03/30/2018 15:00	WG1091540
1,2-Dichlorobenzene	U		0.000333	0.00109	1	03/30/2018 15:00	WG1091540
1,3-Dichlorobenzene	U		0.000261	0.00109	1	03/30/2018 15:00	WG1091540
1,4-Dichlorobenzene	U		0.000247	0.00109	1	03/30/2018 15:00	WG1091540
Dichlorodifluoromethane	U		0.000778	0.00546	1	03/30/2018 15:00	WG1091540
1,1-Dichloroethane	U		0.000217	0.00109	1	03/30/2018 15:00	WG1091540
1,2-Dichloroethane	U		0.000289	0.00109	1	03/30/2018 15:00	WG1091540
1,1-Dichloroethene	0.000350	J	0.000331	0.00109	1	03/30/2018 15:00	WG1091540
cis-1,2-Dichloroethene	0.0515		0.000256	0.00109	1	03/30/2018 15:00	WG1091540
trans-1,2-Dichloroethene	0.00178		0.000288	0.00109	1	03/30/2018 15:00	WG1091540
1,2-Dichloropropane	U		0.000391	0.00109	1	03/30/2018 15:00	WG1091540
1,1-Dichloropropene	U		0.000346	0.00109	1	03/30/2018 15:00	WG1091540
1,3-Dichloropropane	U		0.000226	0.00109	1	03/30/2018 15:00	WG1091540
cis-1,3-Dichloropropene	U		0.000286	0.00109	1	03/30/2018 15:00	WG1091540
trans-1,3-Dichloropropene	U		0.000291	0.00109	1	03/30/2018 15:00	WG1091540
trans-1,4-Dichloro-2-butene	U	J0	0.000849	0.00273	1	03/30/2018 15:00	WG1091540
2,2-Dichloropropane	U		0.000305	0.00109	1	03/30/2018 15:00	WG1091540
Di-isopropyl ether	U		0.000271	0.00109	1	03/30/2018 15:00	WG1091540
Ethylbenzene	U		0.000324	0.00109	1	03/30/2018 15:00	WG1091540
Hexachloro-1,3-butadiene	U		0.000373	0.00109	1	03/30/2018 15:00	WG1091540
2-Hexanone	U	J0	0.00150	0.0109	1	03/30/2018 15:00	WG1091540
n-Hexane	0.00104	J	0.000317	0.0109	1	03/30/2018 15:00	WG1091540
Iodomethane	U		0.00276	0.0109	1	03/30/2018 15:00	WG1091540
Isopropylbenzene	U		0.000265	0.00109	1	03/30/2018 15:00	WG1091540
p-Isopropyltoluene	U		0.000223	0.00109	1	03/30/2018 15:00	WG1091540
2-Butanone (MEK)	U		0.00511	0.0109	1	03/30/2018 15:00	WG1091540
Methylene Chloride	U		0.00109	0.00546	1	03/30/2018 15:00	WG1091540
4-Methyl-2-pentanone (MIBK)	U		0.00205	0.0109	1	03/30/2018 15:00	WG1091540

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000231	0.00109	1	03/30/2018 15:00	WG1091540
Naphthalene	U		0.00109	0.00546	1	03/30/2018 15:00	WG1091540
n-Propylbenzene	U		0.000225	0.00109	1	03/30/2018 15:00	WG1091540
Styrene	U		0.000255	0.00109	1	03/30/2018 15:00	WG1091540
1,1,1,2-Tetrachloroethane	U		0.000288	0.00109	1	03/30/2018 15:00	WG1091540
1,1,2,2-Tetrachloroethane	U		0.000398	0.00109	1	03/30/2018 15:00	WG1091540
1,1,2-Trichlorotrifluoroethane	U	J4	0.000398	0.00109	1	03/30/2018 15:00	WG1091540
Tetrachloroethene	0.0129	J0	0.000301	0.00109	1	03/30/2018 15:00	WG1091540
Toluene	U		0.000474	0.00546	1	03/30/2018 15:00	WG1091540
1,2,3-Trichlorobenzene	U		0.000334	0.00109	1	03/30/2018 15:00	WG1091540
1,2,4-Trichlorobenzene	U		0.000423	0.00109	1	03/30/2018 15:00	WG1091540
1,1,1-Trichloroethane	U		0.000312	0.00109	1	03/30/2018 15:00	WG1091540
1,1,2-Trichloroethane	U	J0	0.000302	0.00109	1	03/30/2018 15:00	WG1091540
Trichloroethene	0.00267		0.000305	0.00109	1	03/30/2018 15:00	WG1091540
Trichlorofluoromethane	U	J4	0.000417	0.00546	1	03/30/2018 15:00	WG1091540
1,2,3-Trichloropropane	U		0.000809	0.00273	1	03/30/2018 15:00	WG1091540
1,2,4-Trimethylbenzene	U		0.000230	0.00109	1	03/30/2018 15:00	WG1091540
1,2,3-Trimethylbenzene	U		0.000313	0.00109	1	03/30/2018 15:00	WG1091540
1,3,5-Trimethylbenzene	U		0.000290	0.00109	1	03/30/2018 15:00	WG1091540
Vinyl acetate	U	J4	0.00261	0.0109	1	03/30/2018 15:00	WG1091540
Vinyl chloride	U		0.000318	0.00109	1	03/30/2018 15:00	WG1091540
Xylenes, Total	U		0.000762	0.00327	1	03/30/2018 15:00	WG1091540
(S) Toluene-d8	*105*			*80.0-120*		*03/30/2018 15:00*	WG1091540
(S) Dibromofluoromethane	*114*			*74.0-131*		*03/30/2018 15:00*	WG1091540
(S) 4-Bromofluorobenzene	*112*			*64.0-132*		*03/30/2018 15:00*	WG1091540

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	90.7		1	03/30/2018 14:01	WG1091416

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U	J0	0.0110	0.0551	1	03/30/2018 15:21	WG1091540
Acrylonitrile	U		0.00197	0.0110	1	03/30/2018 15:21	WG1091540
Benzene	U		0.000298	0.00110	1	03/30/2018 15:21	WG1091540
Bromobenzene	U		0.000313	0.00110	1	03/30/2018 15:21	WG1091540
Bromodichloromethane	U	J0	0.000280	0.00110	1	03/30/2018 15:21	WG1091540
Bromochloromethane	U		0.000430	0.00551	1	03/30/2018 15:21	WG1091540
Bromoform	U		0.000467	0.00110	1	03/30/2018 15:21	WG1091540
Bromomethane	U		0.00148	0.00551	1	03/30/2018 15:21	WG1091540
n-Butylbenzene	U		0.000284	0.00110	1	03/30/2018 15:21	WG1091540
sec-Butylbenzene	U		0.000222	0.00110	1	03/30/2018 15:21	WG1091540
tert-Butylbenzene	U		0.000227	0.00110	1	03/30/2018 15:21	WG1091540
Carbon disulfide	0.00100	J	0.000244	0.00110	1	03/30/2018 15:21	WG1091540
Carbon tetrachloride	U		0.000361	0.00110	1	03/30/2018 15:21	WG1091540
Chlorobenzene	U		0.000234	0.00110	1	03/30/2018 15:21	WG1091540
Chlorodibromomethane	U		0.000411	0.00110	1	03/30/2018 15:21	WG1091540
Chloroethane	U		0.00104	0.00551	1	03/30/2018 15:21	WG1091540
Chloroform	U		0.000252	0.00551	1	03/30/2018 15:21	WG1091540
Chloromethane	U		0.000413	0.00276	1	03/30/2018 15:21	WG1091540
2-Chlorotoluene	U		0.000332	0.00110	1	03/30/2018 15:21	WG1091540
4-Chlorotoluene	U		0.000265	0.00110	1	03/30/2018 15:21	WG1091540
1,2-Dibromo-3-Chloropropane	U	J0	0.00116	0.00551	1	03/30/2018 15:21	WG1091540
1,2-Dibromoethane	U	J0	0.000378	0.00110	1	03/30/2018 15:21	WG1091540
Dibromomethane	U		0.000421	0.00110	1	03/30/2018 15:21	WG1091540
1,2-Dichlorobenzene	U		0.000336	0.00110	1	03/30/2018 15:21	WG1091540
1,3-Dichlorobenzene	U		0.000263	0.00110	1	03/30/2018 15:21	WG1091540
1,4-Dichlorobenzene	U		0.000249	0.00110	1	03/30/2018 15:21	WG1091540
Dichlorodifluoromethane	U		0.000786	0.00551	1	03/30/2018 15:21	WG1091540
1,1-Dichloroethane	U		0.000219	0.00110	1	03/30/2018 15:21	WG1091540
1,2-Dichloroethane	U		0.000292	0.00110	1	03/30/2018 15:21	WG1091540
1,1-Dichloroethene	U		0.000334	0.00110	1	03/30/2018 15:21	WG1091540
cis-1,2-Dichloroethene	0.0110		0.000259	0.00110	1	03/30/2018 15:21	WG1091540
trans-1,2-Dichloroethene	U		0.000291	0.00110	1	03/30/2018 15:21	WG1091540
1,2-Dichloropropane	U		0.000395	0.00110	1	03/30/2018 15:21	WG1091540
1,1-Dichloropropene	U		0.000349	0.00110	1	03/30/2018 15:21	WG1091540
1,3-Dichloropropane	U		0.000228	0.00110	1	03/30/2018 15:21	WG1091540
cis-1,3-Dichloropropene	U		0.000289	0.00110	1	03/30/2018 15:21	WG1091540
trans-1,3-Dichloropropene	U		0.000294	0.00110	1	03/30/2018 15:21	WG1091540
trans-1,4-Dichloro-2-butene	U	J0	0.000857	0.00276	1	03/30/2018 15:21	WG1091540
2,2-Dichloropropane	U		0.000307	0.00110	1	03/30/2018 15:21	WG1091540
Di-isopropyl ether	U		0.000273	0.00110	1	03/30/2018 15:21	WG1091540
Ethylbenzene	U		0.000327	0.00110	1	03/30/2018 15:21	WG1091540
Hexachloro-1,3-butadiene	U		0.000377	0.00110	1	03/30/2018 15:21	WG1091540
2-Hexanone	U	J0	0.00151	0.0110	1	03/30/2018 15:21	WG1091540
n-Hexane	U		0.000320	0.0110	1	03/30/2018 15:21	WG1091540
Iodomethane	U		0.00279	0.0110	1	03/30/2018 15:21	WG1091540
Isopropylbenzene	U		0.000268	0.00110	1	03/30/2018 15:21	WG1091540
p-Isopropyltoluene	U		0.000225	0.00110	1	03/30/2018 15:21	WG1091540
2-Butanone (MEK)	U		0.00516	0.0110	1	03/30/2018 15:21	WG1091540
Methylene Chloride	U		0.00110	0.00551	1	03/30/2018 15:21	WG1091540
4-Methyl-2-pentanone (MIBK)	U		0.00207	0.0110	1	03/30/2018 15:21	WG1091540

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000234	0.00110	1	03/30/2018 15:21	WG1091540
Naphthalene	U		0.00110	0.00551	1	03/30/2018 15:21	WG1091540
n-Propylbenzene	U		0.000227	0.00110	1	03/30/2018 15:21	WG1091540
Styrene	U		0.000258	0.00110	1	03/30/2018 15:21	WG1091540
1,1,1,2-Tetrachloroethane	U		0.000291	0.00110	1	03/30/2018 15:21	WG1091540
1,1,2,2-Tetrachloroethane	U		0.000402	0.00110	1	03/30/2018 15:21	WG1091540
1,1,2-Trichlorotrifluoroethane	U	J4	0.000402	0.00110	1	03/30/2018 15:21	WG1091540
Tetrachloroethene	0.00329	J0	0.000304	0.00110	1	03/30/2018 15:21	WG1091540
Toluene	U		0.000478	0.00551	1	03/30/2018 15:21	WG1091540
1,2,3-Trichlorobenzene	U		0.000337	0.00110	1	03/30/2018 15:21	WG1091540
1,2,4-Trichlorobenzene	U		0.000428	0.00110	1	03/30/2018 15:21	WG1091540
1,1,1-Trichloroethane	U		0.000315	0.00110	1	03/30/2018 15:21	WG1091540
1,1,2-Trichloroethane	U	J0	0.000305	0.00110	1	03/30/2018 15:21	WG1091540
Trichloroethene	0.00150		0.000307	0.00110	1	03/30/2018 15:21	WG1091540
Trichlorofluoromethane	U	J4	0.000421	0.00551	1	03/30/2018 15:21	WG1091540
1,2,3-Trichloropropane	U		0.000817	0.00276	1	03/30/2018 15:21	WG1091540
1,2,4-Trimethylbenzene	U		0.000233	0.00110	1	03/30/2018 15:21	WG1091540
1,2,3-Trimethylbenzene	U		0.000316	0.00110	1	03/30/2018 15:21	WG1091540
1,3,5-Trimethylbenzene	U		0.000293	0.00110	1	03/30/2018 15:21	WG1091540
Vinyl acetate	U	J4	0.00263	0.0110	1	03/30/2018 15:21	WG1091540
Vinyl chloride	U		0.000321	0.00110	1	03/30/2018 15:21	WG1091540
Xylenes, Total	U		0.000769	0.00331	1	03/30/2018 15:21	WG1091540
(S) Toluene-d8	*104*			*80.0-120*		*03/30/2018 15:21*	WG1091540
(S) Dibromofluoromethane	*113*			*74.0-131*		*03/30/2018 15:21*	WG1091540
(S) 4-Bromofluorobenzene	*108*			*64.0-132*		*03/30/2018 15:21*	WG1091540

IW-48B-45

Collected date/time: 03/23/18 11:22

SAMPLE RESULTS - 10

L980300

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	92.2		1	03/30/2018 14:01	WG1091416

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.0201	J J0	0.0108	0.0542	1	04/01/2018 16:46	WG1091540
Acrylonitrile	U		0.00194	0.0108	1	03/30/2018 15:41	WG1091540
Benzene	U		0.000293	0.00108	1	03/30/2018 15:41	WG1091540
Bromobenzene	U		0.000308	0.00108	1	03/30/2018 15:41	WG1091540
Bromodichloromethane	U	J0	0.000276	0.00108	1	03/30/2018 15:41	WG1091540
Bromochloromethane	U		0.000423	0.00542	1	03/30/2018 15:41	WG1091540
Bromoform	U		0.000460	0.00108	1	03/30/2018 15:41	WG1091540
Bromomethane	U		0.00145	0.00542	1	03/30/2018 15:41	WG1091540
n-Butylbenzene	U		0.000280	0.00108	1	03/30/2018 15:41	WG1091540
sec-Butylbenzene	U		0.000218	0.00108	1	03/30/2018 15:41	WG1091540
tert-Butylbenzene	U		0.000224	0.00108	1	03/30/2018 15:41	WG1091540
Carbon disulfide	0.000835	J	0.000240	0.00108	1	03/30/2018 15:41	WG1091540
Carbon tetrachloride	U		0.000356	0.00108	1	03/30/2018 15:41	WG1091540
Chlorobenzene	U		0.000230	0.00108	1	03/30/2018 15:41	WG1091540
Chlorodibromomethane	U	J0	0.000405	0.00108	1	03/30/2018 15:41	WG1091540
Chloroethane	U		0.00103	0.00542	1	03/30/2018 15:41	WG1091540
Chloroform	U		0.000248	0.00542	1	03/30/2018 15:41	WG1091540
Chloromethane	U		0.000407	0.00271	1	03/30/2018 15:41	WG1091540
2-Chlorotoluene	U		0.000327	0.00108	1	03/30/2018 15:41	WG1091540
4-Chlorotoluene	U		0.000260	0.00108	1	03/30/2018 15:41	WG1091540
1,2-Dibromo-3-Chloropropane	U	J0	0.00114	0.00542	1	03/30/2018 15:41	WG1091540
1,2-Dibromoethane	U	J0	0.000372	0.00108	1	03/30/2018 15:41	WG1091540
Dibromomethane	U		0.000414	0.00108	1	03/30/2018 15:41	WG1091540
1,2-Dichlorobenzene	U		0.000331	0.00108	1	03/30/2018 15:41	WG1091540
1,3-Dichlorobenzene	U		0.000259	0.00108	1	03/30/2018 15:41	WG1091540
1,4-Dichlorobenzene	U		0.000245	0.00108	1	03/30/2018 15:41	WG1091540
Dichlorodifluoromethane	U		0.000774	0.00542	1	03/30/2018 15:41	WG1091540
1,1-Dichloroethane	U		0.000216	0.00108	1	03/30/2018 15:41	WG1091540
1,2-Dichloroethane	U		0.000288	0.00108	1	03/30/2018 15:41	WG1091540
1,1-Dichloroethene	U		0.000329	0.00108	1	03/30/2018 15:41	WG1091540
cis-1,2-Dichloroethene	0.00156		0.000255	0.00108	1	03/30/2018 15:41	WG1091540
trans-1,2-Dichloroethene	U		0.000286	0.00108	1	03/30/2018 15:41	WG1091540
1,2-Dichloropropane	U		0.000388	0.00108	1	03/30/2018 15:41	WG1091540
1,1-Dichloropropene	U		0.000344	0.00108	1	03/30/2018 15:41	WG1091540
1,3-Dichloropropane	U		0.000225	0.00108	1	03/30/2018 15:41	WG1091540
cis-1,3-Dichloropropene	U		0.000284	0.00108	1	03/30/2018 15:41	WG1091540
trans-1,3-Dichloropropene	U		0.000290	0.00108	1	03/30/2018 15:41	WG1091540
trans-1,4-Dichloro-2-butene	U	J0	0.000844	0.00271	1	03/30/2018 15:41	WG1091540
2,2-Dichloropropane	U		0.000303	0.00108	1	03/30/2018 15:41	WG1091540
Di-isopropyl ether	U		0.000269	0.00108	1	03/30/2018 15:41	WG1091540
Ethylbenzene	U		0.000322	0.00108	1	03/30/2018 15:41	WG1091540
Hexachloro-1,3-butadiene	U		0.000371	0.00108	1	03/30/2018 15:41	WG1091540
2-Hexanone	U	J0	0.00149	0.0108	1	03/30/2018 15:41	WG1091540
n-Hexane	U		0.000315	0.0108	1	03/30/2018 15:41	WG1091540
Iodomethane	U		0.00274	0.0108	1	03/30/2018 15:41	WG1091540
Isopropylbenzene	U		0.000264	0.00108	1	03/30/2018 15:41	WG1091540
p-Isopropyltoluene	U		0.000221	0.00108	1	03/30/2018 15:41	WG1091540
2-Butanone (MEK)	0.0121		0.00508	0.0108	1	03/30/2018 15:41	WG1091540
Methylene Chloride	U		0.00108	0.00542	1	03/30/2018 15:41	WG1091540
4-Methyl-2-pentanone (MIBK)	U		0.00204	0.0108	1	03/30/2018 15:41	WG1091540

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000230	0.00108	1	03/30/2018 15:41	WG1091540
Naphthalene	U		0.00108	0.00542	1	03/30/2018 15:41	WG1091540
n-Propylbenzene	U		0.000224	0.00108	1	03/30/2018 15:41	WG1091540
Styrene	U		0.000254	0.00108	1	03/30/2018 15:41	WG1091540
1,1,1,2-Tetrachloroethane	U		0.000286	0.00108	1	03/30/2018 15:41	WG1091540
1,1,2,2-Tetrachloroethane	U		0.000396	0.00108	1	03/30/2018 15:41	WG1091540
1,1,2-Trichlorotrifluoroethane	U	J4	0.000396	0.00108	1	03/30/2018 15:41	WG1091540
Tetrachloroethene	0.000668	J J0	0.000299	0.00108	1	03/30/2018 15:41	WG1091540
Toluene	U		0.000471	0.00542	1	03/30/2018 15:41	WG1091540
1,2,3-Trichlorobenzene	U		0.000332	0.00108	1	03/30/2018 15:41	WG1091540
1,2,4-Trichlorobenzene	U		0.000421	0.00108	1	03/30/2018 15:41	WG1091540
1,1,1-Trichloroethane	U		0.000310	0.00108	1	03/30/2018 15:41	WG1091540
1,1,2-Trichloroethane	U	J0	0.000301	0.00108	1	03/30/2018 15:41	WG1091540
Trichloroethene	U		0.000303	0.00108	1	03/30/2018 15:41	WG1091540
Trichlorofluoromethane	U	J4	0.000414	0.00542	1	03/30/2018 15:41	WG1091540
1,2,3-Trichloropropane	U		0.000804	0.00271	1	03/30/2018 15:41	WG1091540
1,2,4-Trimethylbenzene	U		0.000229	0.00108	1	03/30/2018 15:41	WG1091540
1,2,3-Trimethylbenzene	U		0.000311	0.00108	1	03/30/2018 15:41	WG1091540
1,3,5-Trimethylbenzene	U		0.000289	0.00108	1	03/30/2018 15:41	WG1091540
Vinyl acetate	U	J4	0.00259	0.0108	1	03/30/2018 15:41	WG1091540
Vinyl chloride	U		0.000316	0.00108	1	03/30/2018 15:41	WG1091540
Xylenes, Total	U		0.000757	0.00325	1	03/30/2018 15:41	WG1091540
(S) Toluene-d8	*101*			*80.0-120*		*03/30/2018 15:41*	WG1091540
(S) Toluene-d8	*107*			*80.0-120*		*04/01/2018 16:46*	WG1091540
(S) Dibromofluoromethane	*118*			*74.0-131*		*03/30/2018 15:41*	WG1091540
(S) Dibromofluoromethane	*100*			*74.0-131*		*04/01/2018 16:46*	WG1091540
(S) 4-Bromofluorobenzene	*111*			*64.0-132*		*03/30/2018 15:41*	WG1091540
(S) 4-Bromofluorobenzene	*87.5*			*64.0-132*		*04/01/2018 16:46*	WG1091540

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	90.6		1	03/30/2018 14:01	WG1091416

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.0194	J J0	0.0110	0.0552	1	04/01/2018 17:06	WG1091540
Acrylonitrile	U		0.00198	0.0110	1	03/30/2018 16:02	WG1091540
Benzene	U		0.000298	0.00110	1	03/30/2018 16:02	WG1091540
Bromobenzene	U		0.000313	0.00110	1	03/30/2018 16:02	WG1091540
Bromodichloromethane	U	J0	0.000280	0.00110	1	03/30/2018 16:02	WG1091540
Bromochloromethane	U		0.000430	0.00552	1	03/30/2018 16:02	WG1091540
Bromoform	U		0.000468	0.00110	1	03/30/2018 16:02	WG1091540
Bromomethane	U		0.00148	0.00552	1	03/30/2018 16:02	WG1091540
n-Butylbenzene	U		0.000285	0.00110	1	03/30/2018 16:02	WG1091540
sec-Butylbenzene	U		0.000222	0.00110	1	03/30/2018 16:02	WG1091540
tert-Butylbenzene	U		0.000227	0.00110	1	03/30/2018 16:02	WG1091540
Carbon disulfide	0.00124		0.000244	0.00110	1	03/30/2018 16:02	WG1091540
Carbon tetrachloride	U		0.000362	0.00110	1	03/30/2018 16:02	WG1091540
Chlorobenzene	U		0.000234	0.00110	1	03/30/2018 16:02	WG1091540
Chlorodibromomethane	U	J0	0.000412	0.00110	1	03/30/2018 16:02	WG1091540
Chloroethane	U		0.00104	0.00552	1	03/30/2018 16:02	WG1091540
Chloroform	U		0.000253	0.00552	1	03/30/2018 16:02	WG1091540
Chloromethane	U		0.000414	0.00276	1	03/30/2018 16:02	WG1091540
2-Chlorotoluene	U		0.000332	0.00110	1	03/30/2018 16:02	WG1091540
4-Chlorotoluene	U		0.000265	0.00110	1	03/30/2018 16:02	WG1091540
1,2-Dibromo-3-Chloropropane	U	J0	0.00116	0.00552	1	03/30/2018 16:02	WG1091540
1,2-Dibromoethane	U	J0	0.000379	0.00110	1	03/30/2018 16:02	WG1091540
Dibromomethane	U		0.000422	0.00110	1	03/30/2018 16:02	WG1091540
1,2-Dichlorobenzene	U		0.000337	0.00110	1	03/30/2018 16:02	WG1091540
1,3-Dichlorobenzene	U		0.000264	0.00110	1	03/30/2018 16:02	WG1091540
1,4-Dichlorobenzene	U		0.000249	0.00110	1	03/30/2018 16:02	WG1091540
Dichlorodifluoromethane	U		0.000787	0.00552	1	03/30/2018 16:02	WG1091540
1,1-Dichloroethane	U		0.000220	0.00110	1	03/30/2018 16:02	WG1091540
1,2-Dichloroethane	U		0.000292	0.00110	1	03/30/2018 16:02	WG1091540
1,1-Dichloroethene	U		0.000334	0.00110	1	03/30/2018 16:02	WG1091540
cis-1,2-Dichloroethene	0.00420		0.000259	0.00110	1	03/30/2018 16:02	WG1091540
trans-1,2-Dichloroethene	0.00118		0.000291	0.00110	1	03/30/2018 16:02	WG1091540
1,2-Dichloropropane	U		0.000395	0.00110	1	03/30/2018 16:02	WG1091540
1,1-Dichloropropene	U		0.000350	0.00110	1	03/30/2018 16:02	WG1091540
1,3-Dichloropropane	U		0.000228	0.00110	1	03/30/2018 16:02	WG1091540
cis-1,3-Dichloropropene	U		0.000289	0.00110	1	03/30/2018 16:02	WG1091540
trans-1,3-Dichloropropene	U		0.000295	0.00110	1	03/30/2018 16:02	WG1091540
trans-1,4-Dichloro-2-butene	U	J0	0.000859	0.00276	1	03/30/2018 16:02	WG1091540
2,2-Dichloropropane	U		0.000308	0.00110	1	03/30/2018 16:02	WG1091540
Di-isopropyl ether	U		0.000274	0.00110	1	03/30/2018 16:02	WG1091540
Ethylbenzene	U		0.000328	0.00110	1	03/30/2018 16:02	WG1091540
Hexachloro-1,3-butadiene	U		0.000377	0.00110	1	03/30/2018 16:02	WG1091540
2-Hexanone	U	J0	0.00151	0.0110	1	03/30/2018 16:02	WG1091540
n-Hexane	U		0.000320	0.0110	1	03/30/2018 16:02	WG1091540
Iodomethane	U		0.00279	0.0110	1	03/30/2018 16:02	WG1091540
Isopropylbenzene	U		0.000268	0.00110	1	03/30/2018 16:02	WG1091540
p-Isopropyltoluene	U		0.000225	0.00110	1	03/30/2018 16:02	WG1091540
2-Butanone (MEK)	0.0134		0.00517	0.0110	1	03/30/2018 16:02	WG1091540
Methylene Chloride	U		0.00110	0.00552	1	03/30/2018 16:02	WG1091540
4-Methyl-2-pentanone (MIBK)	U		0.00208	0.0110	1	03/30/2018 16:02	WG1091540

Volatile Organic Compounds (GC/MS) by Method 8260C

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg		date / time	
Methyl tert-butyl ether	U		0.000234	0.00110	1	03/30/2018 16:02	WG1091540
Naphthalene	U		0.00110	0.00552	1	03/30/2018 16:02	WG1091540
n-Propylbenzene	U		0.000227	0.00110	1	03/30/2018 16:02	WG1091540
Styrene	U		0.000258	0.00110	1	03/30/2018 16:02	WG1091540
1,1,1,2-Tetrachloroethane	U		0.000291	0.00110	1	03/30/2018 16:02	WG1091540
1,1,2,2-Tetrachloroethane	U		0.000403	0.00110	1	03/30/2018 16:02	WG1091540
1,1,2-Trichlorotrifluoroethane	U	J4	0.000403	0.00110	1	03/30/2018 16:02	WG1091540
Tetrachloroethene	0.00167	J0	0.000305	0.00110	1	03/30/2018 16:02	WG1091540
Toluene	U		0.000479	0.00552	1	03/30/2018 16:02	WG1091540
1,2,3-Trichlorobenzene	U		0.000338	0.00110	1	03/30/2018 16:02	WG1091540
1,2,4-Trichlorobenzene	U		0.000428	0.00110	1	03/30/2018 16:02	WG1091540
1,1,1-Trichloroethane	U		0.000316	0.00110	1	03/30/2018 16:02	WG1091540
1,1,2-Trichloroethane	U	J0	0.000306	0.00110	1	03/30/2018 16:02	WG1091540
Trichloroethene	0.00101	J	0.000308	0.00110	1	03/30/2018 16:02	WG1091540
Trichlorofluoromethane	U	J4	0.000422	0.00552	1	03/30/2018 16:02	WG1091540
1,2,3-Trichloropropane	U		0.000818	0.00276	1	03/30/2018 16:02	WG1091540
1,2,4-Trimethylbenzene	U		0.000233	0.00110	1	03/30/2018 16:02	WG1091540
1,2,3-Trimethylbenzene	U		0.000317	0.00110	1	03/30/2018 16:02	WG1091540
1,3,5-Trimethylbenzene	U		0.000294	0.00110	1	03/30/2018 16:02	WG1091540
Vinyl acetate	U	J4	0.00264	0.0110	1	03/30/2018 16:02	WG1091540
Vinyl chloride	U		0.000321	0.00110	1	03/30/2018 16:02	WG1091540
Xylenes, Total	U		0.000770	0.00331	1	03/30/2018 16:02	WG1091540
(S) Toluene-d8	*101*			*80.0-120*		*03/30/2018 16:02*	WG1091540
(S) Toluene-d8	*103*			*80.0-120*		*04/01/2018 17:06*	WG1091540
(S) Dibromofluoromethane	*115*			*74.0-131*		*03/30/2018 16:02*	WG1091540
(S) Dibromofluoromethane	*101*			*74.0-131*		*04/01/2018 17:06*	WG1091540
(S) 4-Bromofluorobenzene	*111*			*64.0-132*		*03/30/2018 16:02*	WG1091540
(S) 4-Bromofluorobenzene	*89.4*			*64.0-132*		*04/01/2018 17:06*	WG1091540

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	94.0		1	03/30/2018 14:01	WG1091416

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U	J0	0.0108	0.0542	1.02	03/30/2018 16:23	WG1091540
Acrylonitrile	U		0.00194	0.0108	1.02	03/30/2018 16:23	WG1091540
Benzene	U		0.000293	0.00108	1.02	03/30/2018 16:23	WG1091540
Bromobenzene	U		0.000308	0.00108	1.02	03/30/2018 16:23	WG1091540
Bromodichloromethane	U	J0	0.000275	0.00108	1.02	03/30/2018 16:23	WG1091540
Bromochloromethane	U		0.000423	0.00542	1.02	03/30/2018 16:23	WG1091540
Bromoform	U		0.000460	0.00108	1.02	03/30/2018 16:23	WG1091540
Bromomethane	U		0.00146	0.00542	1.02	03/30/2018 16:23	WG1091540
n-Butylbenzene	U		0.000280	0.00108	1.02	03/30/2018 16:23	WG1091540
sec-Butylbenzene	U		0.000218	0.00108	1.02	03/30/2018 16:23	WG1091540
tert-Butylbenzene	U		0.000223	0.00108	1.02	03/30/2018 16:23	WG1091540
Carbon disulfide	0.00213		0.000239	0.00108	1.02	03/30/2018 16:23	WG1091540
Carbon tetrachloride	U		0.000355	0.00108	1.02	03/30/2018 16:23	WG1091540
Chlorobenzene	U		0.000230	0.00108	1.02	03/30/2018 16:23	WG1091540
Chlorodibromomethane	U	J0	0.000404	0.00108	1.02	03/30/2018 16:23	WG1091540
Chloroethane	U		0.00103	0.00542	1.02	03/30/2018 16:23	WG1091540
Chloroform	U		0.000249	0.00542	1.02	03/30/2018 16:23	WG1091540
Chloromethane	U		0.000406	0.00271	1.02	03/30/2018 16:23	WG1091540
2-Chlorotoluene	U		0.000327	0.00108	1.02	03/30/2018 16:23	WG1091540
4-Chlorotoluene	U		0.000261	0.00108	1.02	03/30/2018 16:23	WG1091540
1,2-Dibromo-3-Chloropropane	U	J0	0.00114	0.00542	1.02	03/30/2018 16:23	WG1091540
1,2-Dibromoethane	U	J0	0.000372	0.00108	1.02	03/30/2018 16:23	WG1091540
Dibromomethane	U		0.000415	0.00108	1.02	03/30/2018 16:23	WG1091540
1,2-Dichlorobenzene	U		0.000331	0.00108	1.02	03/30/2018 16:23	WG1091540
1,3-Dichlorobenzene	U		0.000260	0.00108	1.02	03/30/2018 16:23	WG1091540
1,4-Dichlorobenzene	U		0.000245	0.00108	1.02	03/30/2018 16:23	WG1091540
Dichlorodifluoromethane	U		0.000773	0.00542	1.02	03/30/2018 16:23	WG1091540
1,1-Dichloroethane	U		0.000216	0.00108	1.02	03/30/2018 16:23	WG1091540
1,2-Dichloroethane	U		0.000287	0.00108	1.02	03/30/2018 16:23	WG1091540
1,1-Dichloroethene	0.000804	J	0.000329	0.00108	1.02	03/30/2018 16:23	WG1091540
cis-1,2-Dichloroethene	0.148		0.000255	0.00108	1.02	03/30/2018 16:23	WG1091540
trans-1,2-Dichloroethene	0.0204		0.000286	0.00108	1.02	03/30/2018 16:23	WG1091540
1,2-Dichloropropane	U		0.000388	0.00108	1.02	03/30/2018 16:23	WG1091540
1,1-Dichloropropene	U		0.000344	0.00108	1.02	03/30/2018 16:23	WG1091540
1,3-Dichloropropane	U		0.000224	0.00108	1.02	03/30/2018 16:23	WG1091540
cis-1,3-Dichloropropene	U		0.000284	0.00108	1.02	03/30/2018 16:23	WG1091540
trans-1,3-Dichloropropene	U		0.000289	0.00108	1.02	03/30/2018 16:23	WG1091540
trans-1,4-Dichloro-2-butene	U	J0	0.000845	0.00271	1.02	03/30/2018 16:23	WG1091540
2,2-Dichloropropane	U		0.000302	0.00108	1.02	03/30/2018 16:23	WG1091540
Di-isopropyl ether	U		0.000269	0.00108	1.02	03/30/2018 16:23	WG1091540
Ethylbenzene	U		0.000322	0.00108	1.02	03/30/2018 16:23	WG1091540
Hexachloro-1,3-butadiene	U		0.000371	0.00108	1.02	03/30/2018 16:23	WG1091540
2-Hexanone	U	J0	0.00149	0.0108	1.02	03/30/2018 16:23	WG1091540
n-Hexane	U		0.000315	0.0108	1.02	03/30/2018 16:23	WG1091540
Iodomethane	U		0.00274	0.0108	1.02	03/30/2018 16:23	WG1091540
Isopropylbenzene	U		0.000264	0.00108	1.02	03/30/2018 16:23	WG1091540
p-Isopropyltoluene	U		0.000221	0.00108	1.02	03/30/2018 16:23	WG1091540
2-Butanone (MEK)	U		0.00507	0.0108	1.02	03/30/2018 16:23	WG1091540
Methylene Chloride	U		0.00108	0.00542	1.02	03/30/2018 16:23	WG1091540
4-Methyl-2-pentanone (MIBK)	U		0.00204	0.0108	1.02	03/30/2018 16:23	WG1091540

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000230	0.00108	1.02	03/30/2018 16:23	WG1091540
Naphthalene	U		0.00108	0.00542	1.02	03/30/2018 16:23	WG1091540
n-Propylbenzene	U		0.000223	0.00108	1.02	03/30/2018 16:23	WG1091540
Styrene	U		0.000254	0.00108	1.02	03/30/2018 16:23	WG1091540
1,1,1,2-Tetrachloroethane	U		0.000286	0.00108	1.02	03/30/2018 16:23	WG1091540
1,1,2,2-Tetrachloroethane	U		0.000396	0.00108	1.02	03/30/2018 16:23	WG1091540
1,1,2-Trichlorotrifluoroethane	U	J4	0.000396	0.00108	1.02	03/30/2018 16:23	WG1091540
Tetrachloroethene	0.0683	J0	0.000300	0.00108	1.02	03/30/2018 16:23	WG1091540
Toluene	U		0.000471	0.00542	1.02	03/30/2018 16:23	WG1091540
1,2,3-Trichlorobenzene	U		0.000332	0.00108	1.02	03/30/2018 16:23	WG1091540
1,2,4-Trichlorobenzene	U		0.000421	0.00108	1.02	03/30/2018 16:23	WG1091540
1,1,1-Trichloroethane	U		0.000311	0.00108	1.02	03/30/2018 16:23	WG1091540
1,1,2-Trichloroethane	U	J0	0.000300	0.00108	1.02	03/30/2018 16:23	WG1091540
Trichloroethene	0.0476		0.000302	0.00108	1.02	03/30/2018 16:23	WG1091540
Trichlorofluoromethane	U	J4	0.000415	0.00542	1.02	03/30/2018 16:23	WG1091540
1,2,3-Trichloropropane	U		0.000804	0.00271	1.02	03/30/2018 16:23	WG1091540
1,2,4-Trimethylbenzene	U		0.000229	0.00108	1.02	03/30/2018 16:23	WG1091540
1,2,3-Trimethylbenzene	U		0.000312	0.00108	1.02	03/30/2018 16:23	WG1091540
1,3,5-Trimethylbenzene	U		0.000288	0.00108	1.02	03/30/2018 16:23	WG1091540
Vinyl acetate	U	J4	0.00260	0.0108	1.02	03/30/2018 16:23	WG1091540
Vinyl chloride	0.000480	J	0.000316	0.00108	1.02	03/30/2018 16:23	WG1091540
Xylenes, Total	U		0.000757	0.00325	1.02	03/30/2018 16:23	WG1091540
(S) Toluene-d8	*99.7*			*80.0-120*		*03/30/2018 16:23*	WG1091540
(S) Dibromofluoromethane	*113*			*74.0-131*		*03/30/2018 16:23*	WG1091540
(S) 4-Bromofluorobenzene	*108*			*64.0-132*		*03/30/2018 16:23*	WG1091540

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	90.4		1	03/30/2018 14:01	WG1091416

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U	J0 J3	0.0111	0.0553	1	03/29/2018 17:09	WG1090697
Acrylonitrile	U	J0	0.00198	0.0111	1	03/29/2018 17:09	WG1090697
Benzene	U		0.000299	0.00111	1	03/29/2018 17:09	WG1090697
Bromobenzene	U		0.000314	0.00111	1	03/29/2018 17:09	WG1090697
Bromodichloromethane	U		0.000281	0.00111	1	03/29/2018 17:09	WG1090697
Bromochloromethane	U		0.000431	0.00553	1	03/29/2018 17:09	WG1090697
Bromoform	U		0.000469	0.00111	1	03/29/2018 17:09	WG1090697
Bromomethane	U		0.00148	0.00553	1	03/29/2018 17:09	WG1090697
n-Butylbenzene	U		0.000285	0.00111	1	03/29/2018 17:09	WG1090697
sec-Butylbenzene	U		0.000222	0.00111	1	03/29/2018 17:09	WG1090697
tert-Butylbenzene	U		0.000228	0.00111	1	03/29/2018 17:09	WG1090697
Carbon disulfide	0.00234		0.000244	0.00111	1	03/29/2018 17:09	WG1090697
Carbon tetrachloride	U		0.000363	0.00111	1	03/29/2018 17:09	WG1090697
Chlorobenzene	U		0.000235	0.00111	1	03/29/2018 17:09	WG1090697
Chlorodibromomethane	U		0.000413	0.00111	1	03/29/2018 17:09	WG1090697
Chloroethane	U		0.00105	0.00553	1	03/29/2018 17:09	WG1090697
Chloroform	U		0.000253	0.00553	1	03/29/2018 17:09	WG1090697
Chloromethane	U	J0	0.000415	0.00277	1	03/29/2018 17:09	WG1090697
2-Chlorotoluene	U		0.000333	0.00111	1	03/29/2018 17:09	WG1090697
4-Chlorotoluene	U		0.000265	0.00111	1	03/29/2018 17:09	WG1090697
1,2-Dibromo-3-Chloropropane	U	J3	0.00116	0.00553	1	03/29/2018 17:09	WG1090697
1,2-Dibromoethane	U		0.000379	0.00111	1	03/29/2018 17:09	WG1090697
Dibromomethane	U		0.000423	0.00111	1	03/29/2018 17:09	WG1090697
1,2-Dichlorobenzene	U		0.000337	0.00111	1	03/29/2018 17:09	WG1090697
1,3-Dichlorobenzene	U		0.000264	0.00111	1	03/29/2018 17:09	WG1090697
1,4-Dichlorobenzene	U		0.000250	0.00111	1	03/29/2018 17:09	WG1090697
Dichlorodifluoromethane	U	J0	0.000789	0.00553	1	03/29/2018 17:09	WG1090697
1,1-Dichloroethane	U		0.000220	0.00111	1	03/29/2018 17:09	WG1090697
1,2-Dichloroethane	U		0.000293	0.00111	1	03/29/2018 17:09	WG1090697
1,1-Dichloroethene	0.00383		0.000335	0.00111	1	03/29/2018 17:09	WG1090697
cis-1,2-Dichloroethene	3.47		0.0650	0.277	250	03/30/2018 09:25	WG1090697
trans-1,2-Dichloroethene	0.0176	J6	0.000292	0.00111	1	03/29/2018 17:09	WG1090697
1,2-Dichloropropane	U		0.000396	0.00111	1	03/29/2018 17:09	WG1090697
1,1-Dichloropropene	U		0.000351	0.00111	1	03/29/2018 17:09	WG1090697
1,3-Dichloropropane	U		0.000229	0.00111	1	03/29/2018 17:09	WG1090697
cis-1,3-Dichloropropene	U		0.000290	0.00111	1	03/29/2018 17:09	WG1090697
trans-1,3-Dichloropropene	U		0.000295	0.00111	1	03/29/2018 17:09	WG1090697
trans-1,4-Dichloro-2-butene	U		0.000861	0.00277	1	03/29/2018 17:09	WG1090697
2,2-Dichloropropane	U		0.000309	0.00111	1	03/29/2018 17:09	WG1090697
Di-isopropyl ether	U	J0	0.000274	0.00111	1	03/29/2018 17:09	WG1090697
Ethylbenzene	U		0.000329	0.00111	1	03/29/2018 17:09	WG1090697
Hexachloro-1,3-butadiene	U		0.000378	0.00111	1	03/29/2018 17:09	WG1090697
2-Hexanone	U	J0 J3	0.00152	0.0111	1	03/29/2018 17:09	WG1090697
n-Hexane	U	J0	0.000321	0.0111	1	03/29/2018 17:09	WG1090697
Iodomethane	U		0.00280	0.0111	1	03/29/2018 17:09	WG1090697
Isopropylbenzene	U		0.000269	0.00111	1	03/29/2018 17:09	WG1090697
p-Isopropyltoluene	U		0.000226	0.00111	1	03/29/2018 17:09	WG1090697
2-Butanone (MEK)	U	J0	0.00518	0.0111	1	03/29/2018 17:09	WG1090697
Methylene Chloride	U		0.00111	0.00553	1	03/29/2018 17:09	WG1090697
4-Methyl-2-pentanone (MIBK)	U	J0	0.00208	0.0111	1	03/29/2018 17:09	WG1090697

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000235	0.00111	1	03/29/2018 17:09	WG1090697
Naphthalene	U		0.00111	0.00553	1	03/29/2018 17:09	WG1090697
n-Propylbenzene	U		0.000228	0.00111	1	03/29/2018 17:09	WG1090697
Styrene	U		0.000259	0.00111	1	03/29/2018 17:09	WG1090697
1,1,1,2-Tetrachloroethane	U		0.000292	0.00111	1	03/29/2018 17:09	WG1090697
1,1,2,2-Tetrachloroethane	U		0.000404	0.00111	1	03/29/2018 17:09	WG1090697
1,1,2-Trichlorotrifluoroethane	U		0.000404	0.00111	1	03/29/2018 17:09	WG1090697
Tetrachloroethene	8.37		0.0763	0.277	250	03/30/2018 09:25	WG1090697
Toluene	U		0.000480	0.00553	1	03/29/2018 17:09	WG1090697
1,2,3-Trichlorobenzene	U		0.000338	0.00111	1	03/29/2018 17:09	WG1090697
1,2,4-Trichlorobenzene	U		0.000429	0.00111	1	03/29/2018 17:09	WG1090697
1,1,1-Trichloroethane	U		0.000316	0.00111	1	03/29/2018 17:09	WG1090697
1,1,2-Trichloroethane	U		0.000306	0.00111	1	03/29/2018 17:09	WG1090697
Trichloroethene	0.191	J	0.0772	0.277	250	03/30/2018 09:25	WG1090697
Trichlorofluoromethane	U		0.000423	0.00553	1	03/29/2018 17:09	WG1090697
1,2,3-Trichloropropane	U		0.000820	0.00277	1	03/29/2018 17:09	WG1090697
1,2,4-Trimethylbenzene	0.000248	J	0.000233	0.00111	1	03/29/2018 17:09	WG1090697
1,2,3-Trimethylbenzene	U		0.000317	0.00111	1	03/29/2018 17:09	WG1090697
1,3,5-Trimethylbenzene	U		0.000294	0.00111	1	03/29/2018 17:09	WG1090697
Vinyl acetate	U		0.00264	0.0111	1	03/29/2018 17:09	WG1090697
Vinyl chloride	0.00534		0.000322	0.00111	1	03/29/2018 17:09	WG1090697
Xylenes, Total	U		0.000772	0.00332	1	03/29/2018 17:09	WG1090697
(S) Toluene-d8	*95.3*			*80.0-120*		*03/29/2018 17:09*	WG1090697
(S) Toluene-d8	*109*			*80.0-120*		*03/30/2018 09:25*	WG1090697
(S) Dibromofluoromethane	*104*			*74.0-131*		*03/30/2018 09:25*	WG1090697
(S) Dibromofluoromethane	*105*			*74.0-131*		*03/29/2018 17:09*	WG1090697
(S) 4-Bromofluorobenzene	*112*			*64.0-132*		*03/29/2018 17:09*	WG1090697
(S) 4-Bromofluorobenzene	*103*			*64.0-132*		*03/30/2018 09:25*	WG1090697

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	84.6		1	03/30/2018 14:01	WG1091416

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.0214	J	0.0118	0.0591	1	03/29/2018 18:13	WG1091141
Acrylonitrile	U		0.00211	0.0118	1	03/29/2018 18:13	WG1091141
Benzene	U		0.000319	0.00118	1	03/29/2018 18:13	WG1091141
Bromobenzene	U		0.000336	0.00118	1	03/29/2018 18:13	WG1091141
Bromodichloromethane	U		0.000300	0.00118	1	03/29/2018 18:13	WG1091141
Bromochloromethane	U		0.000461	0.00591	1	03/29/2018 18:13	WG1091141
Bromoform	U		0.000501	0.00118	1	03/29/2018 18:13	WG1091141
Bromomethane	U		0.00158	0.00591	1	03/29/2018 18:13	WG1091141
n-Butylbenzene	U		0.000305	0.00118	1	03/29/2018 18:13	WG1091141
sec-Butylbenzene	U		0.000237	0.00118	1	03/29/2018 18:13	WG1091141
tert-Butylbenzene	U		0.000243	0.00118	1	03/29/2018 18:13	WG1091141
Carbon disulfide	0.000739	J	0.000261	0.00118	1	03/29/2018 18:13	WG1091141
Carbon tetrachloride	U		0.000388	0.00118	1	03/29/2018 18:13	WG1091141
Chlorobenzene	U		0.000250	0.00118	1	03/29/2018 18:13	WG1091141
Chlorodibromomethane	U		0.000441	0.00118	1	03/29/2018 18:13	WG1091141
Chloroethane	U		0.00112	0.00591	1	03/29/2018 18:13	WG1091141
Chloroform	U		0.000271	0.00591	1	03/29/2018 18:13	WG1091141
Chloromethane	U		0.000443	0.00295	1	03/29/2018 18:13	WG1091141
2-Chlorotoluene	U		0.000356	0.00118	1	03/29/2018 18:13	WG1091141
4-Chlorotoluene	U		0.000284	0.00118	1	03/29/2018 18:13	WG1091141
1,2-Dibromo-3-Chloropropane	U		0.00124	0.00591	1	03/29/2018 18:13	WG1091141
1,2-Dibromoethane	U		0.000405	0.00118	1	03/29/2018 18:13	WG1091141
Dibromomethane	U		0.000451	0.00118	1	03/29/2018 18:13	WG1091141
1,2-Dichlorobenzene	U		0.000360	0.00118	1	03/29/2018 18:13	WG1091141
1,3-Dichlorobenzene	U		0.000282	0.00118	1	03/29/2018 18:13	WG1091141
1,4-Dichlorobenzene	U		0.000267	0.00118	1	03/29/2018 18:13	WG1091141
Dichlorodifluoromethane	U	J0	0.000842	0.00591	1	03/29/2018 18:13	WG1091141
1,1-Dichloroethane	U		0.000235	0.00118	1	03/29/2018 18:13	WG1091141
1,2-Dichloroethane	U		0.000313	0.00118	1	03/29/2018 18:13	WG1091141
1,1-Dichloroethene	0.000557	J	0.000358	0.00118	1	03/29/2018 18:13	WG1091141
cis-1,2-Dichloroethene	0.121		0.000278	0.00118	1	03/29/2018 18:13	WG1091141
trans-1,2-Dichloroethene	0.00172		0.000312	0.00118	1	03/29/2018 18:13	WG1091141
1,2-Dichloropropane	U		0.000423	0.00118	1	03/29/2018 18:13	WG1091141
1,1-Dichloropropene	U		0.000375	0.00118	1	03/29/2018 18:13	WG1091141
1,3-Dichloropropane	U		0.000245	0.00118	1	03/29/2018 18:13	WG1091141
cis-1,3-Dichloropropene	U		0.000310	0.00118	1	03/29/2018 18:13	WG1091141
trans-1,3-Dichloropropene	U		0.000315	0.00118	1	03/29/2018 18:13	WG1091141
trans-1,4-Dichloro-2-butene	U		0.000919	0.00295	1	03/29/2018 18:13	WG1091141
2,2-Dichloropropane	U		0.000330	0.00118	1	03/29/2018 18:13	WG1091141
Di-isopropyl ether	U		0.000293	0.00118	1	03/29/2018 18:13	WG1091141
Ethylbenzene	U		0.000351	0.00118	1	03/29/2018 18:13	WG1091141
Hexachloro-1,3-butadiene	U		0.000404	0.00118	1	03/29/2018 18:13	WG1091141
2-Hexanone	U		0.00162	0.0118	1	03/29/2018 18:13	WG1091141
n-Hexane	0.00151	J	0.000343	0.0118	1	03/29/2018 18:13	WG1091141
Iodomethane	U		0.00299	0.0118	1	03/29/2018 18:13	WG1091141
Isopropylbenzene	U		0.000287	0.00118	1	03/29/2018 18:13	WG1091141
p-Isopropyltoluene	U		0.000241	0.00118	1	03/29/2018 18:13	WG1091141
2-Butanone (MEK)	U		0.00553	0.0118	1	03/29/2018 18:13	WG1091141
Methylene Chloride	U		0.00118	0.00591	1	03/29/2018 18:13	WG1091141
4-Methyl-2-pentanone (MIBK)	U		0.00222	0.0118	1	03/29/2018 18:13	WG1091141

Volatile Organic Compounds (GC/MS) by Method 8260C

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg		date / time	
Methyl tert-butyl ether	U		0.000250	0.00118	1	03/29/2018 18:13	WG1091141
Naphthalene	U		0.00118	0.00591	1	03/29/2018 18:13	WG1091141
n-Propylbenzene	U		0.000243	0.00118	1	03/29/2018 18:13	WG1091141
Styrene	U		0.000276	0.00118	1	03/29/2018 18:13	WG1091141
1,1,1,2-Tetrachloroethane	U		0.000312	0.00118	1	03/29/2018 18:13	WG1091141
1,1,2,2-Tetrachloroethane	U		0.000431	0.00118	1	03/29/2018 18:13	WG1091141
1,1,2-Trichlorotrifluoroethane	U		0.000431	0.00118	1	03/29/2018 18:13	WG1091141
Tetrachloroethene	0.154		0.000326	0.00118	1	03/29/2018 18:13	WG1091141
Toluene	U		0.000513	0.00591	1	03/29/2018 18:13	WG1091141
1,2,3-Trichlorobenzene	U		0.000362	0.00118	1	03/29/2018 18:13	WG1091141
1,2,4-Trichlorobenzene	U		0.000458	0.00118	1	03/29/2018 18:13	WG1091141
1,1,1-Trichloroethane	U		0.000338	0.00118	1	03/29/2018 18:13	WG1091141
1,1,2-Trichloroethane	U		0.000327	0.00118	1	03/29/2018 18:13	WG1091141
Trichloroethene	0.00488		0.000330	0.00118	1	03/29/2018 18:13	WG1091141
Trichlorofluoromethane	U		0.000451	0.00591	1	03/29/2018 18:13	WG1091141
1,2,3-Trichloropropane	U		0.000875	0.00295	1	03/29/2018 18:13	WG1091141
1,2,4-Trimethylbenzene	U		0.000249	0.00118	1	03/29/2018 18:13	WG1091141
1,2,3-Trimethylbenzene	U		0.000339	0.00118	1	03/29/2018 18:13	WG1091141
1,3,5-Trimethylbenzene	U		0.000314	0.00118	1	03/29/2018 18:13	WG1091141
Vinyl acetate	U		0.00282	0.0118	1	03/29/2018 18:13	WG1091141
Vinyl chloride	0.00410		0.000344	0.00118	1	03/29/2018 18:13	WG1091141
Xylenes, Total	U		0.000825	0.00354	1	03/29/2018 18:13	WG1091141
(S) Toluene-d8	*96.5*			*80.0-120*		*03/29/2018 18:13*	WG1091141
(S) Dibromofluoromethane	*106*			*74.0-131*		*03/29/2018 18:13*	WG1091141
(S) 4-Bromofluorobenzene	*105*			*64.0-132*		*03/29/2018 18:13*	WG1091141

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	91.0		1	03/30/2018 14:01	WG1091416

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0110	0.0550	1	03/29/2018 18:36	WG1091141
Acrylonitrile	U		0.00197	0.0110	1	03/29/2018 18:36	WG1091141
Benzene	U		0.000297	0.00110	1	03/29/2018 18:36	WG1091141
Bromobenzene	U		0.000312	0.00110	1	03/29/2018 18:36	WG1091141
Bromodichloromethane	U		0.000279	0.00110	1	03/29/2018 18:36	WG1091141
Bromochloromethane	U		0.000429	0.00550	1	03/29/2018 18:36	WG1091141
Bromoform	U		0.000466	0.00110	1	03/29/2018 18:36	WG1091141
Bromomethane	U		0.00147	0.00550	1	03/29/2018 18:36	WG1091141
n-Butylbenzene	U		0.000284	0.00110	1	03/29/2018 18:36	WG1091141
sec-Butylbenzene	U		0.000221	0.00110	1	03/29/2018 18:36	WG1091141
tert-Butylbenzene	U		0.000226	0.00110	1	03/29/2018 18:36	WG1091141
Carbon disulfide	0.000383	J	0.000243	0.00110	1	03/29/2018 18:36	WG1091141
Carbon tetrachloride	U		0.000361	0.00110	1	03/29/2018 18:36	WG1091141
Chlorobenzene	U		0.000233	0.00110	1	03/29/2018 18:36	WG1091141
Chlorodibromomethane	U		0.000410	0.00110	1	03/29/2018 18:36	WG1091141
Chloroethane	U		0.00104	0.00550	1	03/29/2018 18:36	WG1091141
Chloroform	U		0.000252	0.00550	1	03/29/2018 18:36	WG1091141
Chloromethane	U		0.000412	0.00275	1	03/29/2018 18:36	WG1091141
2-Chlorotoluene	U		0.000331	0.00110	1	03/29/2018 18:36	WG1091141
4-Chlorotoluene	U		0.000264	0.00110	1	03/29/2018 18:36	WG1091141
1,2-Dibromo-3-Chloropropane	U		0.00115	0.00550	1	03/29/2018 18:36	WG1091141
1,2-Dibromoethane	U		0.000377	0.00110	1	03/29/2018 18:36	WG1091141
Dibromomethane	U		0.000420	0.00110	1	03/29/2018 18:36	WG1091141
1,2-Dichlorobenzene	U		0.000335	0.00110	1	03/29/2018 18:36	WG1091141
1,3-Dichlorobenzene	U		0.000263	0.00110	1	03/29/2018 18:36	WG1091141
1,4-Dichlorobenzene	U		0.000248	0.00110	1	03/29/2018 18:36	WG1091141
Dichlorodifluoromethane	U	J0	0.000784	0.00550	1	03/29/2018 18:36	WG1091141
1,1-Dichloroethane	U		0.000219	0.00110	1	03/29/2018 18:36	WG1091141
1,2-Dichloroethane	U		0.000291	0.00110	1	03/29/2018 18:36	WG1091141
1,1-Dichloroethene	0.000702	J	0.000333	0.00110	1	03/29/2018 18:36	WG1091141
cis-1,2-Dichloroethene	0.00825		0.000258	0.00110	1	03/29/2018 18:36	WG1091141
trans-1,2-Dichloroethene	U		0.000290	0.00110	1	03/29/2018 18:36	WG1091141
1,2-Dichloropropane	U		0.000394	0.00110	1	03/29/2018 18:36	WG1091141
1,1-Dichloropropene	U		0.000348	0.00110	1	03/29/2018 18:36	WG1091141
1,3-Dichloropropane	U		0.000228	0.00110	1	03/29/2018 18:36	WG1091141
cis-1,3-Dichloropropene	U		0.000288	0.00110	1	03/29/2018 18:36	WG1091141
trans-1,3-Dichloropropene	U		0.000294	0.00110	1	03/29/2018 18:36	WG1091141
trans-1,4-Dichloro-2-butene	U		0.000855	0.00275	1	03/29/2018 18:36	WG1091141
2,2-Dichloropropane	U		0.000307	0.00110	1	03/29/2018 18:36	WG1091141
Di-isopropyl ether	U		0.000273	0.00110	1	03/29/2018 18:36	WG1091141
Ethylbenzene	U		0.000326	0.00110	1	03/29/2018 18:36	WG1091141
Hexachloro-1,3-butadiene	U		0.000376	0.00110	1	03/29/2018 18:36	WG1091141
2-Hexanone	U		0.00151	0.0110	1	03/29/2018 18:36	WG1091141
n-Hexane	U		0.000319	0.0110	1	03/29/2018 18:36	WG1091141
Iodomethane	U		0.00278	0.0110	1	03/29/2018 18:36	WG1091141
Isopropylbenzene	U		0.000267	0.00110	1	03/29/2018 18:36	WG1091141
p-Isopropyltoluene	U		0.000224	0.00110	1	03/29/2018 18:36	WG1091141
2-Butanone (MEK)	U		0.00514	0.0110	1	03/29/2018 18:36	WG1091141
Methylene Chloride	U		0.00110	0.00550	1	03/29/2018 18:36	WG1091141
4-Methyl-2-pentanone (MIBK)	U		0.00207	0.0110	1	03/29/2018 18:36	WG1091141

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000233	0.00110	1	03/29/2018 18:36	WG1091141
Naphthalene	U		0.00110	0.00550	1	03/29/2018 18:36	WG1091141
n-Propylbenzene	U		0.000226	0.00110	1	03/29/2018 18:36	WG1091141
Styrene	U		0.000257	0.00110	1	03/29/2018 18:36	WG1091141
1,1,1,2-Tetrachloroethane	U		0.000290	0.00110	1	03/29/2018 18:36	WG1091141
1,1,2,2-Tetrachloroethane	U		0.000401	0.00110	1	03/29/2018 18:36	WG1091141
1,1,2-Trichlorotrifluoroethane	U		0.000401	0.00110	1	03/29/2018 18:36	WG1091141
Tetrachloroethene	0.0158		0.000303	0.00110	1	03/29/2018 18:36	WG1091141
Toluene	U		0.000477	0.00550	1	03/29/2018 18:36	WG1091141
1,2,3-Trichlorobenzene	U		0.000336	0.00110	1	03/29/2018 18:36	WG1091141
1,2,4-Trichlorobenzene	U		0.000427	0.00110	1	03/29/2018 18:36	WG1091141
1,1,1-Trichloroethane	U		0.000314	0.00110	1	03/29/2018 18:36	WG1091141
1,1,2-Trichloroethane	U		0.000305	0.00110	1	03/29/2018 18:36	WG1091141
Trichloroethene	0.000853	J	0.000307	0.00110	1	03/29/2018 18:36	WG1091141
Trichlorofluoromethane	U		0.000420	0.00550	1	03/29/2018 18:36	WG1091141
1,2,3-Trichloropropane	U		0.000815	0.00275	1	03/29/2018 18:36	WG1091141
1,2,4-Trimethylbenzene	U		0.000232	0.00110	1	03/29/2018 18:36	WG1091141
1,2,3-Trimethylbenzene	U		0.000315	0.00110	1	03/29/2018 18:36	WG1091141
1,3,5-Trimethylbenzene	U		0.000292	0.00110	1	03/29/2018 18:36	WG1091141
Vinyl acetate	U		0.00263	0.0110	1	03/29/2018 18:36	WG1091141
Vinyl chloride	0.00248		0.000320	0.00110	1	03/29/2018 18:36	WG1091141
Xylenes, Total	U		0.000767	0.00330	1	03/29/2018 18:36	WG1091141
(S) Toluene-d8	*98.8*			*80.0-120*		*03/29/2018 18:36*	WG1091141
(S) Dibromofluoromethane	*104*			*74.0-131*		*03/29/2018 18:36*	WG1091141
(S) 4-Bromofluorobenzene	*106*			*64.0-132*		*03/29/2018 18:36*	WG1091141

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	88.9		1	03/30/2018 14:01	WG1091416

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0112	0.0562	1	03/29/2018 18:57	WG1091141
Acrylonitrile	U		0.00201	0.0112	1	03/29/2018 18:57	WG1091141
Benzene	U		0.000304	0.00112	1	03/29/2018 18:57	WG1091141
Bromobenzene	U		0.000319	0.00112	1	03/29/2018 18:57	WG1091141
Bromodichloromethane	U		0.000286	0.00112	1	03/29/2018 18:57	WG1091141
Bromochloromethane	U		0.000439	0.00562	1	03/29/2018 18:57	WG1091141
Bromoform	U		0.000477	0.00112	1	03/29/2018 18:57	WG1091141
Bromomethane	U		0.00151	0.00562	1	03/29/2018 18:57	WG1091141
n-Butylbenzene	U		0.000290	0.00112	1	03/29/2018 18:57	WG1091141
sec-Butylbenzene	U		0.000226	0.00112	1	03/29/2018 18:57	WG1091141
tert-Butylbenzene	U		0.000232	0.00112	1	03/29/2018 18:57	WG1091141
Carbon disulfide	0.00256		0.000249	0.00112	1	03/29/2018 18:57	WG1091141
Carbon tetrachloride	U		0.000369	0.00112	1	03/29/2018 18:57	WG1091141
Chlorobenzene	U		0.000238	0.00112	1	03/29/2018 18:57	WG1091141
Chlorodibromomethane	U		0.000419	0.00112	1	03/29/2018 18:57	WG1091141
Chloroethane	U		0.00106	0.00562	1	03/29/2018 18:57	WG1091141
Chloroform	U		0.000258	0.00562	1	03/29/2018 18:57	WG1091141
Chloromethane	U		0.000422	0.00281	1	03/29/2018 18:57	WG1091141
2-Chlorotoluene	U		0.000339	0.00112	1	03/29/2018 18:57	WG1091141
4-Chlorotoluene	U		0.000270	0.00112	1	03/29/2018 18:57	WG1091141
1,2-Dibromo-3-Chloropropane	U		0.00118	0.00562	1	03/29/2018 18:57	WG1091141
1,2-Dibromoethane	U		0.000386	0.00112	1	03/29/2018 18:57	WG1091141
Dibromomethane	U		0.000430	0.00112	1	03/29/2018 18:57	WG1091141
1,2-Dichlorobenzene	U		0.000343	0.00112	1	03/29/2018 18:57	WG1091141
1,3-Dichlorobenzene	U		0.000269	0.00112	1	03/29/2018 18:57	WG1091141
1,4-Dichlorobenzene	U		0.000254	0.00112	1	03/29/2018 18:57	WG1091141
Dichlorodifluoromethane	U	J0	0.000802	0.00562	1	03/29/2018 18:57	WG1091141
1,1-Dichloroethane	U		0.000224	0.00112	1	03/29/2018 18:57	WG1091141
1,2-Dichloroethane	U		0.000298	0.00112	1	03/29/2018 18:57	WG1091141
1,1-Dichloroethene	0.0121		0.000341	0.00112	1	03/29/2018 18:57	WG1091141
cis-1,2-Dichloroethene	0.0303		0.000264	0.00112	1	03/29/2018 18:57	WG1091141
trans-1,2-Dichloroethene	0.000968	J	0.000297	0.00112	1	03/29/2018 18:57	WG1091141
1,2-Dichloropropane	U		0.000403	0.00112	1	03/29/2018 18:57	WG1091141
1,1-Dichloropropene	U		0.000357	0.00112	1	03/29/2018 18:57	WG1091141
1,3-Dichloropropane	U		0.000233	0.00112	1	03/29/2018 18:57	WG1091141
cis-1,3-Dichloropropene	U		0.000295	0.00112	1	03/29/2018 18:57	WG1091141
trans-1,3-Dichloropropene	U		0.000300	0.00112	1	03/29/2018 18:57	WG1091141
trans-1,4-Dichloro-2-butene	U		0.000875	0.00281	1	03/29/2018 18:57	WG1091141
2,2-Dichloropropane	U		0.000314	0.00112	1	03/29/2018 18:57	WG1091141
Di-isopropyl ether	U		0.000279	0.00112	1	03/29/2018 18:57	WG1091141
Ethylbenzene	U		0.000334	0.00112	1	03/29/2018 18:57	WG1091141
Hexachloro-1,3-butadiene	U		0.000385	0.00112	1	03/29/2018 18:57	WG1091141
2-Hexanone	U		0.00154	0.0112	1	03/29/2018 18:57	WG1091141
n-Hexane	0.000476	J	0.000326	0.0112	1	03/29/2018 18:57	WG1091141
Iodomethane	U		0.00285	0.0112	1	03/29/2018 18:57	WG1091141
Isopropylbenzene	U		0.000273	0.00112	1	03/29/2018 18:57	WG1091141
p-Isopropyltoluene	U		0.000229	0.00112	1	03/29/2018 18:57	WG1091141
2-Butanone (MEK)	U		0.00526	0.0112	1	03/29/2018 18:57	WG1091141
Methylene Chloride	U		0.00112	0.00562	1	03/29/2018 18:57	WG1091141
4-Methyl-2-pentanone (MIBK)	U		0.00211	0.0112	1	03/29/2018 18:57	WG1091141

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000238	0.00112	1	03/29/2018 18:57	WG1091141
Naphthalene	U		0.00112	0.00562	1	03/29/2018 18:57	WG1091141
n-Propylbenzene	U		0.000232	0.00112	1	03/29/2018 18:57	WG1091141
Styrene	U		0.000263	0.00112	1	03/29/2018 18:57	WG1091141
1,1,1,2-Tetrachloroethane	U		0.000297	0.00112	1	03/29/2018 18:57	WG1091141
1,1,2,2-Tetrachloroethane	U		0.000410	0.00112	1	03/29/2018 18:57	WG1091141
1,1,2-Trichlorotrifluoroethane	U		0.000410	0.00112	1	03/29/2018 18:57	WG1091141
Tetrachloroethene	24.4		0.310	1.12	1000	04/01/2018 13:59	WG1091141
Toluene	U		0.000488	0.00562	1	03/29/2018 18:57	WG1091141
1,2,3-Trichlorobenzene	U		0.000344	0.00112	1	03/29/2018 18:57	WG1091141
1,2,4-Trichlorobenzene	U		0.000436	0.00112	1	03/29/2018 18:57	WG1091141
1,1,1-Trichloroethane	U		0.000322	0.00112	1	03/29/2018 18:57	WG1091141
1,1,2-Trichloroethane	U		0.000312	0.00112	1	03/29/2018 18:57	WG1091141
Trichloroethene	0.932		0.0314	0.112	100	03/31/2018 02:26	WG1091141
Trichlorofluoromethane	U		0.000430	0.00562	1	03/29/2018 18:57	WG1091141
1,2,3-Trichloropropane	U		0.000833	0.00281	1	03/29/2018 18:57	WG1091141
1,2,4-Trimethylbenzene	U		0.000237	0.00112	1	03/29/2018 18:57	WG1091141
1,2,3-Trimethylbenzene	U		0.000323	0.00112	1	03/29/2018 18:57	WG1091141
1,3,5-Trimethylbenzene	U		0.000299	0.00112	1	03/29/2018 18:57	WG1091141
Vinyl acetate	U		0.00269	0.0112	1	03/29/2018 18:57	WG1091141
Vinyl chloride	0.00760		0.000327	0.00112	1	03/29/2018 18:57	WG1091141
Xylenes, Total	U		0.000785	0.00337	1	03/29/2018 18:57	WG1091141
(S) Toluene-d8	*102*			*80.0-120*		*03/29/2018 18:57*	WG1091141
(S) Toluene-d8	*110*			*80.0-120*		*04/01/2018 13:59*	WG1091141
(S) Toluene-d8	*106*			*80.0-120*		*03/31/2018 02:26*	WG1091141
(S) Dibromofluoromethane	*97.1*			*74.0-131*		*03/31/2018 02:26*	WG1091141
(S) Dibromofluoromethane	*103*			*74.0-131*		*03/29/2018 18:57*	WG1091141
(S) Dibromofluoromethane	*98.3*			*74.0-131*		*04/01/2018 13:59*	WG1091141
(S) 4-Bromofluorobenzene	*102*			*64.0-132*		*03/31/2018 02:26*	WG1091141
(S) 4-Bromofluorobenzene	*106*			*64.0-132*		*03/29/2018 18:57*	WG1091141
(S) 4-Bromofluorobenzene	*101*			*64.0-132*		*04/01/2018 13:59*	WG1091141

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch
Analyte	%			date / time	
Total Solids	91.5		1	03/30/2018 13:23	WG1091466

Volatile Organic Compounds (GC/MS) by Method 8260C

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0109	0.0546	1	03/29/2018 19:18	WG1091141
Acrylonitrile	U		0.00196	0.0109	1	03/29/2018 19:18	WG1091141
Benzene	U		0.000295	0.00109	1	03/29/2018 19:18	WG1091141
Bromobenzene	U		0.000310	0.00109	1	03/29/2018 19:18	WG1091141
Bromodichloromethane	U		0.000277	0.00109	1	03/29/2018 19:18	WG1091141
Bromochloromethane	U		0.000426	0.00546	1	03/29/2018 19:18	WG1091141
Bromoform	U		0.000463	0.00109	1	03/29/2018 19:18	WG1091141
Bromomethane	U		0.00146	0.00546	1	03/29/2018 19:18	WG1091141
n-Butylbenzene	U		0.000282	0.00109	1	03/29/2018 19:18	WG1091141
sec-Butylbenzene	U		0.000220	0.00109	1	03/29/2018 19:18	WG1091141
tert-Butylbenzene	U		0.000225	0.00109	1	03/29/2018 19:18	WG1091141
Carbon disulfide	0.00138		0.000241	0.00109	1	03/29/2018 19:18	WG1091141
Carbon tetrachloride	U		0.000358	0.00109	1	03/29/2018 19:18	WG1091141
Chlorobenzene	U		0.000232	0.00109	1	03/29/2018 19:18	WG1091141
Chlorodibromomethane	U		0.000407	0.00109	1	03/29/2018 19:18	WG1091141
Chloroethane	U		0.00103	0.00546	1	03/29/2018 19:18	WG1091141
Chloroform	U		0.000250	0.00546	1	03/29/2018 19:18	WG1091141
Chloromethane	U		0.000410	0.00273	1	03/29/2018 19:18	WG1091141
2-Chlorotoluene	U		0.000329	0.00109	1	03/29/2018 19:18	WG1091141
4-Chlorotoluene	U		0.000262	0.00109	1	03/29/2018 19:18	WG1091141
1,2-Dibromo-3-Chloropropane	U		0.00115	0.00546	1	03/29/2018 19:18	WG1091141
1,2-Dibromoethane	U		0.000375	0.00109	1	03/29/2018 19:18	WG1091141
Dibromomethane	U		0.000417	0.00109	1	03/29/2018 19:18	WG1091141
1,2-Dichlorobenzene	U		0.000333	0.00109	1	03/29/2018 19:18	WG1091141
1,3-Dichlorobenzene	U		0.000261	0.00109	1	03/29/2018 19:18	WG1091141
1,4-Dichlorobenzene	U		0.000247	0.00109	1	03/29/2018 19:18	WG1091141
Dichlorodifluoromethane	U		0.000779	0.00546	1	03/29/2018 19:18	WG1091141
1,1-Dichloroethane	U		0.000217	0.00109	1	03/29/2018 19:18	WG1091141
1,2-Dichloroethane	U		0.000289	0.00109	1	03/29/2018 19:18	WG1091141
1,1-Dichloroethene	U		0.000331	0.00109	1	03/29/2018 19:18	WG1091141
cis-1,2-Dichloroethene	0.00820		0.000257	0.00109	1	03/29/2018 19:18	WG1091141
trans-1,2-Dichloroethene	U		0.000288	0.00109	1	03/29/2018 19:18	WG1091141
1,2-Dichloropropane	U		0.000391	0.00109	1	03/29/2018 19:18	WG1091141
1,1-Dichloropropene	U		0.000346	0.00109	1	03/29/2018 19:18	WG1091141
1,3-Dichloropropane	U		0.000226	0.00109	1	03/29/2018 19:18	WG1091141
cis-1,3-Dichloropropene	U		0.000286	0.00109	1	03/29/2018 19:18	WG1091141
trans-1,3-Dichloropropene	U		0.000292	0.00109	1	03/29/2018 19:18	WG1091141
trans-1,4-Dichloro-2-butene	U		0.000850	0.00273	1	03/29/2018 19:18	WG1091141
2,2-Dichloropropane	U		0.000305	0.00109	1	03/29/2018 19:18	WG1091141
Di-isopropyl ether	U		0.000271	0.00109	1	03/29/2018 19:18	WG1091141
Ethylbenzene	U		0.000324	0.00109	1	03/29/2018 19:18	WG1091141
Hexachloro-1,3-butadiene	U		0.000374	0.00109	1	03/29/2018 19:18	WG1091141
2-Hexanone	U		0.00150	0.0109	1	03/29/2018 19:18	WG1091141
n-Hexane	U		0.000317	0.0109	1	03/29/2018 19:18	WG1091141
Iodomethane	U		0.00276	0.0109	1	03/29/2018 19:18	WG1091141
Isopropylbenzene	U		0.000265	0.00109	1	03/29/2018 19:18	WG1091141
p-Isopropyltoluene	U		0.000223	0.00109	1	03/29/2018 19:18	WG1091141
2-Butanone (MEK)	U		0.00511	0.0109	1	03/29/2018 19:18	WG1091141
Methylene Chloride	U		0.00109	0.00546	1	03/29/2018 19:18	WG1091141
4-Methyl-2-pentanone (MIBK)	U		0.00205	0.0109	1	03/29/2018 19:18	WG1091141

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000232	0.00109	1	03/29/2018 19:18	WG1091141
Naphthalene	U		0.00109	0.00546	1	03/29/2018 19:18	WG1091141
n-Propylbenzene	U		0.000225	0.00109	1	03/29/2018 19:18	WG1091141
Styrene	U		0.000256	0.00109	1	03/29/2018 19:18	WG1091141
1,1,1,2-Tetrachloroethane	U		0.000288	0.00109	1	03/29/2018 19:18	WG1091141
1,1,2,2-Tetrachloroethane	U		0.000399	0.00109	1	03/29/2018 19:18	WG1091141
1,1,2-Trichlorotrifluoroethane	U		0.000399	0.00109	1	03/29/2018 19:18	WG1091141
Tetrachloroethene	0.00302		0.000302	0.00109	1	04/01/2018 13:35	WG1091141
Toluene	U		0.000474	0.00546	1	03/29/2018 19:18	WG1091141
1,2,3-Trichlorobenzene	U		0.000334	0.00109	1	03/29/2018 19:18	WG1091141
1,2,4-Trichlorobenzene	U		0.000424	0.00109	1	03/29/2018 19:18	WG1091141
1,1,1-Trichloroethane	U		0.000312	0.00109	1	03/29/2018 19:18	WG1091141
1,1,2-Trichloroethane	U		0.000303	0.00109	1	03/29/2018 19:18	WG1091141
Trichloroethene	0.00122		0.000305	0.00109	1	03/31/2018 02:47	WG1091141
Trichlorofluoromethane	U		0.000417	0.00546	1	03/29/2018 19:18	WG1091141
1,2,3-Trichloropropane	U		0.000809	0.00273	1	03/29/2018 19:18	WG1091141
1,2,4-Trimethylbenzene	U		0.000231	0.00109	1	03/29/2018 19:18	WG1091141
1,2,3-Trimethylbenzene	U		0.000314	0.00109	1	03/29/2018 19:18	WG1091141
1,3,5-Trimethylbenzene	U		0.000291	0.00109	1	03/29/2018 19:18	WG1091141
Vinyl acetate	U		0.00261	0.0109	1	03/29/2018 19:18	WG1091141
Vinyl chloride	U		0.000318	0.00109	1	03/29/2018 19:18	WG1091141
Xylenes, Total	U		0.000763	0.00328	1	03/29/2018 19:18	WG1091141
(S) Toluene-d8	*101*			*80.0-120*		*03/31/2018 02:47*	WG1091141
(S) Toluene-d8	*100*			*80.0-120*		*04/01/2018 13:35*	WG1091141
(S) Toluene-d8	*99.7*			*80.0-120*		*03/29/2018 19:18*	WG1091141
(S) Dibromofluoromethane	*106*			*74.0-131*		*04/01/2018 13:35*	WG1091141
(S) Dibromofluoromethane	*106*			*74.0-131*		*03/29/2018 19:18*	WG1091141
(S) Dibromofluoromethane	*104*			*74.0-131*		*03/31/2018 02:47*	WG1091141
(S) 4-Bromofluorobenzene	*104*			*64.0-132*		*03/29/2018 19:18*	WG1091141
(S) 4-Bromofluorobenzene	*106*			*64.0-132*		*04/01/2018 13:35*	WG1091141
(S) 4-Bromofluorobenzene	*106*			*64.0-132*		*03/31/2018 02:47*	WG1091141

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Method Blank (MB)

(MB) R3298013-1 03/30/18 14:33

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.00100			

L980300-01 Original Sample (OS) • Duplicate (DUP)

(OS) L980300-01 03/30/18 14:33 • (DUP) R3298013-3 03/30/18 14:33

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	86.5	88.1	1	1.85		5

Laboratory Control Sample (LCS)

(LCS) R3298013-2 03/30/18 14:33

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	49.9	99.9	85.0-115	

Method Blank (MB)

(MB) R3298012-1 03/30/18 14:01

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.000			

L980300-07 Original Sample (OS) • Duplicate (DUP)

(OS) L980300-07 03/30/18 14:01 • (DUP) R3298012-3 03/30/18 14:01

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	86.9	84.8	1	2.52		5

Laboratory Control Sample (LCS)

(LCS) R3298012-2 03/30/18 14:01

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	99.9	85.0-115	

Method Blank (MB)

(MB) R3298008-1 03/30/18 13:23

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.000			

L980305-01 Original Sample (OS) • Duplicate (DUP)

(OS) L980305-01 03/30/18 13:23 • (DUP) R3298008-3 03/30/18 13:23

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	97.9	98.1	1	0.137		5

Laboratory Control Sample (LCS)

(LCS) R3298008-2 03/30/18 13:23

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	85.0-115	

Method Blank (MB)

(MB) R3297188-3 03/28/18 12:24

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acetone	U		0.0100	0.0500
Acrylonitrile	U		0.00179	0.0100
Benzene	U		0.000270	0.00100
Bromobenzene	U		0.000284	0.00100
Bromodichloromethane	U		0.000254	0.00100
Bromochloromethane	U		0.000390	0.00500
Bromoform	U		0.000424	0.00100
Bromomethane	U		0.00134	0.00500
n-Butylbenzene	U		0.000258	0.00100
sec-Butylbenzene	U		0.000201	0.00100
tert-Butylbenzene	U		0.000206	0.00100
Carbon disulfide	0.000387	J	0.000221	0.00100
Carbon tetrachloride	U		0.000328	0.00100
Chlorobenzene	U		0.000212	0.00100
Chlorodibromomethane	U		0.000373	0.00100
Chloroethane	U		0.000946	0.00500
Chloroform	U		0.000229	0.00500
Chloromethane	U		0.000375	0.00250
2-Chlorotoluene	U		0.000301	0.00100
4-Chlorotoluene	U		0.000240	0.00100
1,2-Dibromo-3-Chloropropane	U		0.00105	0.00500
1,2-Dibromoethane	U		0.000343	0.00100
Dibromomethane	U		0.000382	0.00100
1,2-Dichlorobenzene	U		0.000305	0.00100
1,3-Dichlorobenzene	U		0.000239	0.00100
1,4-Dichlorobenzene	U		0.000226	0.00100
trans-1,4-Dichloro-2-butene	U		0.000778	0.00250
Dichlorodifluoromethane	U		0.000713	0.00500
1,1-Dichloroethane	U		0.000199	0.00100
1,2-Dichloroethane	U		0.000265	0.00100
1,1-Dichloroethene	U		0.000303	0.00100
cis-1,2-Dichloroethene	U		0.000235	0.00100
trans-1,2-Dichloroethene	U		0.000264	0.00100
1,2-Dichloropropane	U		0.000358	0.00100
1,1-Dichloropropene	U		0.000317	0.00100
1,3-Dichloropropane	U		0.000207	0.00100
cis-1,3-Dichloropropene	U		0.000262	0.00100
trans-1,3-Dichloropropene	U		0.000267	0.00100
2,2-Dichloropropane	U		0.000279	0.00100
Di-isopropyl ether	U		0.000248	0.00100

Method Blank (MB)

(MB) R3297188-3 03/28/18 12:24

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Ethylbenzene	U		0.000297	0.00100
Hexachloro-1,3-butadiene	U		0.000342	0.00100
2-Hexanone	U		0.00137	0.0100
n-Hexane	U		0.000290	0.0100
Iodomethane	U		0.00253	0.0100
Isopropylbenzene	U		0.000243	0.00100
p-Isopropyltoluene	U		0.000204	0.00100
2-Butanone (MEK)	U		0.00468	0.0100
Methylene Chloride	U		0.00100	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.00188	0.0100
Methyl tert-butyl ether	U		0.000212	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.000206	0.00100
Styrene	U		0.000234	0.00100
1,1,1,2-Tetrachloroethane	U		0.000264	0.00100
1,1,2,2-Tetrachloroethane	U		0.000365	0.00100
Tetrachloroethene	U		0.000276	0.00100
Toluene	U		0.000434	0.00500
1,1,2-Trichlorotrifluoroethane	U		0.000365	0.00100
1,2,3-Trichlorobenzene	U		0.000306	0.00100
1,2,4-Trichlorobenzene	U		0.000388	0.00100
1,1,1-Trichloroethane	U		0.000286	0.00100
1,1,2-Trichloroethane	U		0.000277	0.00100
Trichloroethene	U		0.000279	0.00100
Trichlorofluoromethane	U		0.000382	0.00500
1,2,3-Trichloropropane	U		0.000741	0.00250
1,2,3-Trimethylbenzene	U		0.000287	0.00100
1,2,4-Trimethylbenzene	U		0.000211	0.00100
1,3,5-Trimethylbenzene	U		0.000266	0.00100
Vinyl acetate	U		0.00239	0.0100
Vinyl chloride	U		0.000291	0.00100
Xylenes, Total	U		0.000698	0.00300
(S) Toluene-d8	*111*			*80.0-120*
(S) Dibromofluoromethane	*98.2*			*74.0-131*
(S) 4-Bromofluorobenzene	*93.3*			*64.0-132*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3297188-1 03/28/18 09:09 • (LCSD) R3297188-2 03/28/18 09:29

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.125	0.0581	0.0581	46.5	46.5	11.0-160			0.0449	23
Acrylonitrile	0.125	0.105	0.108	84.3	86.3	61.0-143			2.28	20
Benzene	0.0250	0.0231	0.0230	92.5	91.9	71.0-124			0.617	20
Bromobenzene	0.0250	0.0218	0.0215	87.2	85.8	78.0-120			1.59	20
Bromodichloromethane	0.0250	0.0208	0.0202	83.3	80.8	75.0-120			3.02	20
Bromochloromethane	0.0250	0.0261	0.0254	105	102	80.0-121			2.79	20
Bromoform	0.0250	0.0191	0.0186	76.4	74.3	65.0-133			2.78	20
Bromomethane	0.0250	0.0260	0.0255	104	102	26.0-160			2.05	20
n-Butylbenzene	0.0250	0.0239	0.0234	95.6	93.7	73.0-126			2.04	20
sec-Butylbenzene	0.0250	0.0249	0.0243	99.6	97.3	75.0-121			2.33	20
tert-Butylbenzene	0.0250	0.0246	0.0238	98.4	95.3	74.0-122			3.16	20
Carbon disulfide	0.0250	0.0195	0.0193	78.1	77.3	53.0-130			1.04	20
Carbon tetrachloride	0.0250	0.0231	0.0228	92.2	91.0	66.0-123			1.29	20
Chlorobenzene	0.0250	0.0273	0.0274	109	110	79.0-121			0.331	20
Chlorodibromomethane	0.0250	0.0233	0.0228	93.3	91.1	74.0-128			2.31	20
Chloroethane	0.0250	0.0243	0.0250	97.4	100	51.0-147			2.81	20
Chloroform	0.0250	0.0227	0.0224	90.9	89.6	73.0-123			1.49	20
Chloromethane	0.0250	0.0183	0.0181	73.4	72.4	51.0-138			1.38	20
2-Chlorotoluene	0.0250	0.0232	0.0229	92.8	91.7	72.0-124			1.18	20
4-Chlorotoluene	0.0250	0.0236	0.0231	94.5	92.4	78.0-120			2.20	20
1,2-Dibromo-3-Chloropropane	0.0250	0.0227	0.0216	90.8	86.5	65.0-126			4.93	20
1,2-Dibromoethane	0.0250	0.0267	0.0257	107	103	78.0-122			3.71	20
Dibromomethane	0.0250	0.0226	0.0226	90.5	90.4	79.0-120			0.182	20
1,2-Dichlorobenzene	0.0250	0.0256	0.0250	102	100	80.0-120			2.12	20
1,3-Dichlorobenzene	0.0250	0.0261	0.0256	104	102	72.0-123			1.93	20
1,4-Dichlorobenzene	0.0250	0.0251	0.0248	100	99.1	77.0-120			1.26	20
trans-1,4-Dichloro-2-butene	0.0250	0.0190	0.0187	76.0	74.9	68.0-126			1.42	20
Dichlorodifluoromethane	0.0250	0.0203	0.0199	81.1	79.8	49.0-155			1.64	20
1,1-Dichloroethane	0.0250	0.0234	0.0233	93.7	93.0	70.0-128			0.742	20
1,2-Dichloroethane	0.0250	0.0233	0.0231	93.2	92.3	69.0-128			0.928	20
1,1-Dichloroethene	0.0250	0.0221	0.0221	88.4	88.6	63.0-131			0.157	20
cis-1,2-Dichloroethene	0.0250	0.0231	0.0234	92.5	93.7	74.0-123			1.29	20
trans-1,2-Dichloroethene	0.0250	0.0224	0.0224	89.5	89.6	72.0-122			0.0955	20
1,2-Dichloropropane	0.0250	0.0232	0.0228	92.8	91.1	75.0-126			1.88	20
1,1-Dichloropropene	0.0250	0.0247	0.0248	99.0	99.1	72.0-130			0.120	20
1,3-Dichloropropane	0.0250	0.0259	0.0253	104	101	80.0-121			2.58	20
cis-1,3-Dichloropropene	0.0250	0.0255	0.0246	102	98.5	80.0-125			3.59	20
trans-1,3-Dichloropropene	0.0250	0.0248	0.0246	99.3	98.5	75.0-129			0.763	20
2,2-Dichloropropane	0.0250	0.0220	0.0212	88.0	84.9	60.0-129			3.52	20
Di-isopropyl ether	0.0250	0.0189	0.0186	75.6	74.3	62.0-133			1.68	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3297188-1 03/28/18 09:09 • (LCSD) R3297188-2 03/28/18 09:29

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Ethylbenzene	0.0250	0.0252	0.0245	101	97.9	77.0-120			3.06	20
Hexachloro-1,3-butadiene	0.0250	0.0253	0.0258	101	103	68.0-128			1.68	20
2-Hexanone	0.125	0.114	0.110	91.5	87.6	61.0-143			4.38	20
n-Hexane	0.0250	0.0186	0.0184	74.3	73.6	57.0-125			0.925	20
Iodomethane	0.125	0.129	0.127	103	101	67.0-132			1.69	20
Isopropylbenzene	0.0250	0.0221	0.0218	88.4	87.3	75.0-120			1.22	20
p-Isopropyltoluene	0.0250	0.0253	0.0245	101	97.9	74.0-125			3.45	20
2-Butanone (MEK)	0.125	0.0749	0.0724	59.9	57.9	37.0-159			3.42	20
Methylene Chloride	0.0250	0.0221	0.0220	88.3	88.1	67.0-123			0.192	20
4-Methyl-2-pentanone (MIBK)	0.125	0.105	0.101	83.8	80.4	60.0-144			4.19	20
Methyl tert-butyl ether	0.0250	0.0226	0.0225	90.2	90.1	66.0-125			0.140	20
Naphthalene	0.0250	0.0246	0.0249	98.6	99.6	64.0-125			1.01	20
n-Propylbenzene	0.0250	0.0233	0.0230	93.4	91.8	78.0-120			1.65	20
Styrene	0.0250	0.0230	0.0225	91.9	90.2	78.0-124			1.84	20
1,1,1,2-Tetrachloroethane	0.0250	0.0240	0.0244	96.0	97.5	74.0-124			1.57	20
1,1,2,2-Tetrachloroethane	0.0250	0.0221	0.0209	88.4	83.5	73.0-120			5.69	20
Tetrachloroethene	0.0250	0.0271	0.0271	109	108	70.0-127			0.0432	20
Toluene	0.0250	0.0246	0.0242	98.4	96.8	77.0-120			1.64	20
1,1,2-Trichlorotrifluoroethane	0.0250	0.0230	0.0234	92.0	93.5	64.0-135			1.66	20
1,2,3-Trichlorobenzene	0.0250	0.0272	0.0288	109	115	68.0-126			5.71	20
1,2,4-Trichlorobenzene	0.0250	0.0279	0.0281	112	113	70.0-127			0.841	20
1,1,1-Trichloroethane	0.0250	0.0214	0.0213	85.7	85.1	69.0-125			0.695	20
1,1,2-Trichloroethane	0.0250	0.0252	0.0245	101	98.0	78.0-120			3.01	20
Trichloroethene	0.0250	0.0265	0.0270	106	108	79.0-120			2.14	20
Trichlorofluoromethane	0.0250	0.0271	0.0266	108	106	59.0-136			1.88	20
1,2,3-Trichloropropane	0.0250	0.0224	0.0217	89.5	86.8	73.0-124			3.05	20
1,2,3-Trimethylbenzene	0.0250	0.0257	0.0253	103	101	76.0-120			1.71	20
1,2,4-Trimethylbenzene	0.0250	0.0233	0.0230	93.3	91.9	75.0-120			1.54	20
1,3,5-Trimethylbenzene	0.0250	0.0235	0.0232	94.2	92.8	75.0-120			1.47	20
Vinyl acetate	0.125	0.100	0.0955	80.4	76.4	58.0-156			5.02	20
Vinyl chloride	0.0250	0.0231	0.0232	92.4	92.9	63.0-134			0.486	20
Xylenes, Total	0.0750	0.0753	0.0757	100	101	77.0-120			0.530	20
(S) Toluene-d8				*107*	*107*	*80.0-120*				
(S) Dibromofluoromethane				*98.2*	*98.4*	*74.0-131*				
(S) 4-Bromofluorobenzene				*90.5*	*90.7*	*64.0-132*				

Method Blank (MB)

(MB) R3297538-3 03/29/18 11:23

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acetone	U		0.0100	0.0500
Acrylonitrile	U		0.00179	0.0100
Benzene	U		0.000270	0.00100
Bromobenzene	U		0.000284	0.00100
Bromodichloromethane	U		0.000254	0.00100
Bromochloromethane	U		0.000390	0.00500
Bromoform	U		0.000424	0.00100
Bromomethane	U		0.00134	0.00500
n-Butylbenzene	U		0.000258	0.00100
sec-Butylbenzene	U		0.000201	0.00100
tert-Butylbenzene	U		0.000206	0.00100
Carbon disulfide	U		0.000221	0.00100
Carbon tetrachloride	U		0.000328	0.00100
Chlorobenzene	U		0.000212	0.00100
Chlorodibromomethane	U		0.000373	0.00100
Chloroethane	U		0.000946	0.00500
Chloroform	U		0.000229	0.00500
Chloromethane	U		0.000375	0.00250
2-Chlorotoluene	U		0.000301	0.00100
4-Chlorotoluene	U		0.000240	0.00100
1,2-Dibromo-3-Chloropropane	U		0.00105	0.00500
1,2-Dibromoethane	U		0.000343	0.00100
Dibromomethane	U		0.000382	0.00100
1,2-Dichlorobenzene	U		0.000305	0.00100
1,3-Dichlorobenzene	U		0.000239	0.00100
1,4-Dichlorobenzene	U		0.000226	0.00100
trans-1,4-Dichloro-2-butene	U		0.000778	0.00250
Dichlorodifluoromethane	U		0.000713	0.00500
1,1-Dichloroethane	U		0.000199	0.00100
1,2-Dichloroethane	U		0.000265	0.00100
1,1-Dichloroethene	U		0.000303	0.00100
cis-1,2-Dichloroethene	U		0.000235	0.00100
trans-1,2-Dichloroethene	U		0.000264	0.00100
1,2-Dichloropropane	U		0.000358	0.00100
1,1-Dichloropropene	U		0.000317	0.00100
1,3-Dichloropropane	U		0.000207	0.00100
cis-1,3-Dichloropropene	U		0.000262	0.00100
trans-1,3-Dichloropropene	U		0.000267	0.00100
2,2-Dichloropropane	U		0.000279	0.00100
Di-isopropyl ether	U		0.000248	0.00100

Method Blank (MB)

(MB) R3297538-3 03/29/18 11:23

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Ethylbenzene	U		0.000297	0.00100
Hexachloro-1,3-butadiene	U		0.000342	0.00100
2-Hexanone	U		0.00137	0.0100
n-Hexane	U		0.000290	0.0100
Iodomethane	U		0.00253	0.0100
Isopropylbenzene	U		0.000243	0.00100
p-Isopropyltoluene	U		0.000204	0.00100
2-Butanone (MEK)	U		0.00468	0.0100
Methylene Chloride	U		0.00100	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.00188	0.0100
Methyl tert-butyl ether	U		0.000212	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.000206	0.00100
Styrene	U		0.000234	0.00100
1,1,1,2-Tetrachloroethane	U		0.000264	0.00100
1,1,2,2-Tetrachloroethane	U		0.000365	0.00100
Tetrachloroethene	U		0.000276	0.00100
Toluene	U		0.000434	0.00500
1,1,2-Trichlorotrifluoroethane	U		0.000365	0.00100
1,2,3-Trichlorobenzene	U		0.000306	0.00100
1,2,4-Trichlorobenzene	U		0.000388	0.00100
1,1,1-Trichloroethane	U		0.000286	0.00100
1,1,2-Trichloroethane	U		0.000277	0.00100
Trichloroethene	U		0.000279	0.00100
Trichlorofluoromethane	U		0.000382	0.00500
1,2,3-Trichloropropane	U		0.000741	0.00250
1,2,3-Trimethylbenzene	U		0.000287	0.00100
1,2,4-Trimethylbenzene	U		0.000211	0.00100
1,3,5-Trimethylbenzene	U		0.000266	0.00100
Vinyl acetate	U		0.00239	0.0100
Vinyl chloride	U		0.000291	0.00100
Xylenes, Total	U		0.000698	0.00300
(S) Toluene-d8	*103*			*80.0-120*
(S) Dibromofluoromethane	*95.4*			*74.0-131*
(S) 4-Bromofluorobenzene	*92.6*			*64.0-132*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3297538-1 03/29/18 10:24 • (LCSD) R3297538-2 03/29/18 10:43

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.125	0.0595	0.0603	47.6	48.3	11.0-160			1.42	23
Acrylonitrile	0.125	0.0979	0.0996	78.3	79.7	61.0-143			1.74	20
Benzene	0.0250	0.0217	0.0219	86.6	87.5	71.0-124			1.06	20
Bromobenzene	0.0250	0.0225	0.0229	90.1	91.7	78.0-120			1.77	20
Bromodichloromethane	0.0250	0.0231	0.0229	92.4	91.7	75.0-120			0.823	20
Bromochloromethane	0.0250	0.0249	0.0254	99.4	101	80.0-121			2.01	20
Bromoform	0.0250	0.0257	0.0254	103	102	65.0-133			1.35	20
Bromomethane	0.0250	0.0276	0.0297	111	119	26.0-160			7.19	20
n-Butylbenzene	0.0250	0.0221	0.0214	88.5	85.6	73.0-126			3.39	20
sec-Butylbenzene	0.0250	0.0223	0.0223	89.4	89.4	75.0-121			0.00663	20
tert-Butylbenzene	0.0250	0.0223	0.0219	89.1	87.5	74.0-122			1.78	20
Carbon disulfide	0.0250	0.0200	0.0213	80.2	85.3	53.0-130			6.12	20
Carbon tetrachloride	0.0250	0.0203	0.0210	81.3	84.0	66.0-123			3.28	20
Chlorobenzene	0.0250	0.0240	0.0245	96.1	97.9	79.0-121			1.82	20
Chlorodibromomethane	0.0250	0.0248	0.0252	99.4	101	74.0-128			1.31	20
Chloroethane	0.0250	0.0210	0.0219	83.8	87.5	51.0-147			4.32	20
Chloroform	0.0250	0.0234	0.0236	93.6	94.2	73.0-123			0.635	20
Chloromethane	0.0250	0.0176	0.0179	70.2	71.4	51.0-138			1.69	20
2-Chlorotoluene	0.0250	0.0233	0.0230	93.1	92.2	72.0-124			0.986	20
4-Chlorotoluene	0.0250	0.0229	0.0227	91.5	90.8	78.0-120			0.795	20
1,2-Dibromo-3-Chloropropane	0.0250	0.0230	0.0222	92.0	88.9	65.0-126			3.43	20
1,2-Dibromoethane	0.0250	0.0253	0.0259	101	103	78.0-122			2.38	20
Dibromomethane	0.0250	0.0239	0.0240	95.8	96.1	79.0-120			0.337	20
1,2-Dichlorobenzene	0.0250	0.0256	0.0250	102	100	80.0-120			2.44	20
1,3-Dichlorobenzene	0.0250	0.0246	0.0240	98.5	95.9	72.0-123			2.62	20
1,4-Dichlorobenzene	0.0250	0.0253	0.0245	101	98.1	77.0-120			2.87	20
trans-1,4-Dichloro-2-butene	0.0250	0.0216	0.0210	86.3	84.0	68.0-126			2.79	20
Dichlorodifluoromethane	0.0250	0.0183	0.0187	73.0	74.7	49.0-155			2.29	20
1,1-Dichloroethane	0.0250	0.0201	0.0203	80.4	81.1	70.0-128			0.775	20
1,2-Dichloroethane	0.0250	0.0214	0.0212	85.8	84.7	69.0-128			1.24	20
1,1-Dichloroethene	0.0250	0.0221	0.0227	88.4	90.6	63.0-131			2.51	20
cis-1,2-Dichloroethene	0.0250	0.0233	0.0232	93.4	92.8	74.0-123			0.664	20
trans-1,2-Dichloroethene	0.0250	0.0226	0.0230	90.4	91.8	72.0-122			1.61	20
1,2-Dichloropropane	0.0250	0.0215	0.0211	86.1	84.4	75.0-126			2.09	20
1,1-Dichloropropene	0.0250	0.0221	0.0222	88.4	88.8	72.0-130			0.451	20
1,3-Dichloropropane	0.0250	0.0246	0.0248	98.3	99.3	80.0-121			0.978	20
cis-1,3-Dichloropropene	0.0250	0.0240	0.0248	95.8	99.3	80.0-125			3.56	20
trans-1,3-Dichloropropene	0.0250	0.0241	0.0247	96.4	98.7	75.0-129			2.36	20
2,2-Dichloropropane	0.0250	0.0199	0.0208	79.5	83.2	60.0-129			4.57	20
Di-isopropyl ether	0.0250	0.0192	0.0195	77.0	77.9	62.0-133			1.18	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3297538-1 03/29/18 10:24 • (LCSD) R3297538-2 03/29/18 10:43

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Ethylbenzene	0.0250	0.0235	0.0245	93.8	97.8	77.0-120			4.14	20
Hexachloro-1,3-butadiene	0.0250	0.0277	0.0273	111	109	68.0-128			1.70	20
2-Hexanone	0.125	0.100	0.102	80.0	81.2	61.0-143			1.51	20
n-Hexane	0.0250	0.0172	0.0174	68.6	69.8	57.0-125			1.69	20
Iodomethane	0.125	0.120	0.124	96.2	99.0	67.0-132			2.80	20
Isopropylbenzene	0.0250	0.0217	0.0214	86.9	85.7	75.0-120			1.47	20
p-Isopropyltoluene	0.0250	0.0224	0.0224	89.6	89.8	74.0-125			0.178	20
2-Butanone (MEK)	0.125	0.0727	0.0732	58.2	58.5	37.0-159			0.655	20
Methylene Chloride	0.0250	0.0235	0.0238	93.8	95.2	67.0-123			1.49	20
4-Methyl-2-pentanone (MIBK)	0.125	0.0922	0.0923	73.8	73.8	60.0-144			0.0773	20
Methyl tert-butyl ether	0.0250	0.0245	0.0245	97.9	98.1	66.0-125			0.158	20
Naphthalene	0.0250	0.0273	0.0262	109	105	64.0-125			4.18	20
n-Propylbenzene	0.0250	0.0219	0.0217	87.5	86.7	78.0-120			0.905	20
Styrene	0.0250	0.0220	0.0219	88.0	87.5	78.0-124			0.574	20
1,1,1,2-Tetrachloroethane	0.0250	0.0230	0.0230	92.1	91.8	74.0-124			0.309	20
1,1,2,2-Tetrachloroethane	0.0250	0.0230	0.0233	91.9	93.3	73.0-120			1.58	20
Tetrachloroethene	0.0250	0.0248	0.0247	99.1	98.9	70.0-127			0.212	20
Toluene	0.0250	0.0222	0.0229	88.6	91.8	77.0-120			3.45	20
1,1,2-Trichlorotrifluoroethane	0.0250	0.0241	0.0246	96.5	98.3	64.0-135			1.86	20
1,2,3-Trichlorobenzene	0.0250	0.0278	0.0267	111	107	68.0-126			3.97	20
1,2,4-Trichlorobenzene	0.0250	0.0275	0.0262	110	105	70.0-127			4.63	20
1,1,1-Trichloroethane	0.0250	0.0217	0.0222	87.0	88.8	69.0-125			2.05	20
1,1,2-Trichloroethane	0.0250	0.0246	0.0254	98.3	102	78.0-120			3.30	20
Trichloroethene	0.0250	0.0251	0.0250	100	99.9	79.0-120			0.272	20
Trichlorofluoromethane	0.0250	0.0252	0.0258	101	103	59.0-136			2.66	20
1,2,3-Trichloropropane	0.0250	0.0240	0.0236	95.8	94.5	73.0-124			1.38	20
1,2,3-Trimethylbenzene	0.0250	0.0257	0.0251	103	100	76.0-120			2.38	20
1,2,4-Trimethylbenzene	0.0250	0.0226	0.0221	90.2	88.3	75.0-120			2.19	20
1,3,5-Trimethylbenzene	0.0250	0.0230	0.0230	92.0	91.9	75.0-120			0.174	20
Vinyl acetate	0.125	0.0995	0.101	79.6	80.9	58.0-156			1.59	20
Vinyl chloride	0.0250	0.0208	0.0215	83.2	86.1	63.0-134			3.42	20
Xylenes, Total	0.0750	0.0718	0.0726	95.7	96.8	77.0-120			1.11	20
(S) Toluene-d8				*103*	*106*	*80.0-120*				
(S) Dibromofluoromethane				*95.0*	*98.1*	*74.0-131*				
(S) 4-Bromofluorobenzene				*91.7*	*93.0*	*64.0-132*				

L980300-13 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L980300-13 03/29/18 17:09 • (MS) R3297538-4 03/29/18 17:28 • (MSD) R3297538-5 03/29/18 17:48

Analyte	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
Acetone	0.138	U	0.0357	0.0541	25.8	39.1	1	10.0-160		J3	40.9	36
Acrylonitrile	0.138	U	0.0808	0.105	58.5	76.1	1	14.0-160			26.2	33
Benzene	0.0277	U	0.0175	0.0177	63.4	64.0	1	13.0-146			0.841	27
Bromobenzene	0.0277	U	0.0168	0.0163	60.9	58.8	1	10.0-149			3.54	33
Bromodichloromethane	0.0277	U	0.0200	0.0214	72.2	77.4	1	15.0-142			6.96	28
Bromochloromethane	0.0277	U	0.0194	0.0214	70.0	77.3	1	24.0-146			9.95	27
Bromoform	0.0277	U	0.0190	0.0208	68.8	75.2	1	10.0-147			8.99	31
Bromomethane	0.0277	U	0.0159	0.0205	57.6	74.0	1	10.0-160			24.8	32
n-Butylbenzene	0.0277	U	0.0174	0.0181	62.9	65.5	1	10.0-154			3.97	37
sec-Butylbenzene	0.0277	U	0.0194	0.0194	70.3	70.1	1	10.0-151			0.238	36
tert-Butylbenzene	0.0277	U	0.0193	0.0197	69.7	71.1	1	10.0-152			1.93	35
Carbon disulfide	0.0277	0.00234	0.00897	0.00787	24.0	20.0	1	10.0-141			13.1	30
Carbon tetrachloride	0.0277	U	0.0173	0.0178	62.7	64.5	1	13.0-140			2.84	30
Chlorobenzene	0.0277	U	0.0173	0.0177	62.6	63.8	1	10.0-149			2.00	31
Chlorodibromomethane	0.0277	U	0.0187	0.0208	67.6	75.1	1	12.0-147			10.6	29
Chloroethane	0.0277	U	0.0165	0.0178	59.7	64.4	1	10.0-159			7.63	33
Chloroform	0.0277	U	0.0207	0.0220	75.0	79.4	1	18.0-148			5.74	28
Chloromethane	0.0277	U	0.00920	0.00999	33.3	36.1	1	10.0-146			8.22	29
2-Chlorotoluene	0.0277	U	0.0190	0.0183	68.6	66.2	1	10.0-151			3.59	35
4-Chlorotoluene	0.0277	U	0.0173	0.0165	62.7	59.6	1	10.0-150			5.02	35
1,2-Dibromo-3-Chloropropane	0.0277	U	0.0107	0.0159	38.8	57.6	1	10.0-149		J3	39.0	34
1,2-Dibromoethane	0.0277	U	0.0162	0.0190	58.6	68.9	1	14.0-145			16.1	28
Dibromomethane	0.0277	U	0.0168	0.0209	60.7	75.5	1	18.0-144			21.7	27
1,2-Dichlorobenzene	0.0277	U	0.0155	0.0155	55.9	56.1	1	10.0-153			0.318	34
1,3-Dichlorobenzene	0.0277	U	0.0169	0.0163	61.2	58.8	1	10.0-150			4.02	35
1,4-Dichlorobenzene	0.0277	U	0.0153	0.0159	55.3	57.5	1	10.0-148			3.90	34
trans-1,4-Dichloro-2-butene	0.0277	U	0.0107	0.0130	38.8	47.2	1	10.0-160			19.4	40
Dichlorodifluoromethane	0.0277	U	0.0165	0.0172	59.5	62.3	1	10.0-160			4.64	30
1,1-Dichloroethane	0.0277	U	0.0175	0.0180	63.4	65.2	1	19.0-148			2.88	28
1,2-Dichloroethane	0.0277	U	0.0175	0.0192	63.3	69.4	1	17.0-147			9.19	27
1,1-Dichloroethene	0.0277	0.00383	0.0159	0.0159	43.5	43.7	1	10.0-150			0.349	31
cis-1,2-Dichloroethene	0.0277	3.23	0.0823	0.0749	0.000	0.000	1	16.0-145	V	V	9.40	28
trans-1,2-Dichloroethene	0.0277	0.0176	0.0162	0.0161	0.000	0.000	1	11.0-142	J6	J6	0.855	29
1,2-Dichloropropane	0.0277	U	0.0184	0.0194	66.5	70.1	1	17.0-148			5.29	28
1,1-Dichloropropene	0.0277	U	0.0161	0.0162	58.3	58.7	1	10.0-150			0.613	30
1,3-Dichloropropane	0.0277	U	0.0180	0.0197	65.1	71.3	1	16.0-148			9.03	27
cis-1,3-Dichloropropene	0.0277	U	0.0165	0.0184	59.5	66.6	1	13.0-150			11.2	28
trans-1,3-Dichloropropene	0.0277	U	0.0156	0.0176	56.2	63.7	1	10.0-152			12.4	29
2,2-Dichloropropane	0.0277	U	0.0187	0.0198	67.6	71.8	1	16.0-143			5.91	30

L980300-13 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L980300-13 03/29/18 17:09 • (MS) R3297538-4 03/29/18 17:28 • (MSD) R3297538-5 03/29/18 17:48

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Di-isopropyl ether	0.0277	U	0.0177	0.0192	64.0	69.6	1	16.0-149			8.43	28
Ethylbenzene	0.0277	U	0.0172	0.0177	62.1	64.0	1	10.0-147			3.09	31
Hexachloro-1,3-butadiene	0.0277	U	0.0183	0.0243	66.2	88.0	1	10.0-154			28.3	40
2-Hexanone	0.138	U	0.0643	0.0981	46.5	71.0	1	12.0-158		J3	41.7	30
n-Hexane	0.0277	U	0.00870	0.00847	31.4	30.6	1	10.0-140			2.63	34
Iodomethane	0.138	U	0.0800	0.0827	57.8	59.8	1	10.0-157			3.42	34
Isopropylbenzene	0.0277	U	0.0193	0.0184	69.7	66.6	1	10.0-147			4.51	33
p-Isopropyltoluene	0.0277	U	0.0191	0.0195	69.1	70.5	1	10.0-156			1.97	37
2-Butanone (MEK)	0.138	U	0.0608	0.0819	44.0	59.2	1	10.0-160			29.5	33
Methylene Chloride	0.0277	U	0.0188	0.0213	68.1	76.9	1	16.0-139			12.2	29
4-Methyl-2-pentanone (MIBK)	0.138	U	0.0752	0.104	54.4	75.0	1	12.0-160			32.0	32
Methyl tert-butyl ether	0.0277	U	0.0227	0.0253	82.1	91.4	1	21.0-145			10.7	29
Naphthalene	0.0277	U	0.00776	0.00878	28.1	31.8	1	10.0-153			12.3	36
n-Propylbenzene	0.0277	U	0.0185	0.0179	67.0	64.8	1	10.0-151			3.37	34
Styrene	0.0277	U	0.0165	0.0160	59.8	58.0	1	10.0-155			3.06	34
1,1,1,2-Tetrachloroethane	0.0277	U	0.0180	0.0187	65.0	67.8	1	10.0-147			4.24	30
1,1,2,2-Tetrachloroethane	0.0277	U	0.0186	0.0203	67.2	73.4	1	10.0-155			8.79	31
Tetrachloroethene	0.0277	5.31	0.220	0.174	0.000	0.000	1	10.0-144	V	V	23.4	32
Toluene	0.0277	U	0.0166	0.0165	60.1	59.8	1	10.0-144			0.615	28
1,1,2-Trichlorotrifluoroethane	0.0277	U	0.0205	0.0211	74.2	76.3	1	10.0-153			2.86	33
1,2,3-Trichlorobenzene	0.0277	U	0.00913	0.0105	33.0	37.8	1	10.0-153			13.6	40
1,2,4-Trichlorobenzene	0.0277	U	0.0102	0.0116	36.9	42.1	1	10.0-156			13.2	40
1,1,1-Trichloroethane	0.0277	U	0.0197	0.0208	71.1	75.1	1	18.0-145			5.52	29
1,1,2-Trichloroethane	0.0277	U	0.0197	0.0214	71.3	77.3	1	12.0-151			8.01	28
Trichloroethene	0.0277	0.287	0.0267	0.0255	0.000	0.000	1	11.0-148	V	V	4.45	29
Trichlorofluoromethane	0.0277	U	0.0201	0.0210	72.5	75.8	1	10.0-157			4.44	34
1,2,3-Trichloropropane	0.0277	U	0.0178	0.0219	64.4	79.3	1	10.0-154			20.7	32
1,2,3-Trimethylbenzene	0.0277	U	0.0195	0.0195	70.4	70.5	1	10.0-150			0.124	33
1,2,4-Trimethylbenzene	0.0277	0.000248	0.0180	0.0178	64.1	63.5	1	10.0-151			0.969	34
1,3,5-Trimethylbenzene	0.0277	U	0.0194	0.0191	70.0	68.9	1	10.0-150			1.52	33
Vinyl acetate	0.138	U	0.0797	0.0842	57.7	60.9	1	10.0-160			5.47	40
Vinyl chloride	0.0277	0.00534	0.0139	0.0142	30.9	32.1	1	10.0-150			2.35	29
Xylenes, Total	0.0830	U	0.0524	0.0535	63.2	64.5	1	10.0-150			2.09	31
(S) Toluene-d8					*96.2*	*96.3*		*80.0-120*				
(S) Dibromofluoromethane					*102*	*103*		*74.0-131*				
(S) 4-Bromofluorobenzene					*96.7*	*92.6*		*64.0-132*				

Method Blank (MB)

(MB) R3297717-3 03/29/18 13:32

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acetone	U		0.0100	0.0500
Acrylonitrile	U		0.00179	0.0100
Benzene	U		0.000270	0.00100
Bromobenzene	U		0.000284	0.00100
Bromodichloromethane	U		0.000254	0.00100
Bromochloromethane	U		0.000390	0.00500
Bromoform	U		0.000424	0.00100
Bromomethane	U		0.00134	0.00500
n-Butylbenzene	U		0.000258	0.00100
sec-Butylbenzene	U		0.000201	0.00100
tert-Butylbenzene	U		0.000206	0.00100
Carbon disulfide	U		0.000221	0.00100
Carbon tetrachloride	U		0.000328	0.00100
Chlorobenzene	U		0.000212	0.00100
Chlorodibromomethane	U		0.000373	0.00100
Chloroethane	U		0.000946	0.00500
Chloroform	U		0.000229	0.00500
Chloromethane	U		0.000375	0.00250
2-Chlorotoluene	U		0.000301	0.00100
4-Chlorotoluene	U		0.000240	0.00100
1,2-Dibromo-3-Chloropropane	U		0.00105	0.00500
1,2-Dibromoethane	U		0.000343	0.00100
Dibromomethane	U		0.000382	0.00100
1,2-Dichlorobenzene	U		0.000305	0.00100
1,3-Dichlorobenzene	U		0.000239	0.00100
1,4-Dichlorobenzene	U		0.000226	0.00100
trans-1,4-Dichloro-2-butene	U		0.000778	0.00250
Dichlorodifluoromethane	U		0.000713	0.00500
1,1-Dichloroethane	U		0.000199	0.00100
1,2-Dichloroethane	U		0.000265	0.00100
1,1-Dichloroethene	U		0.000303	0.00100
cis-1,2-Dichloroethene	U		0.000235	0.00100
trans-1,2-Dichloroethene	U		0.000264	0.00100
1,2-Dichloropropane	U		0.000358	0.00100
1,1-Dichloropropene	U		0.000317	0.00100
1,3-Dichloropropane	U		0.000207	0.00100
cis-1,3-Dichloropropene	U		0.000262	0.00100
trans-1,3-Dichloropropene	U		0.000267	0.00100
2,2-Dichloropropane	U		0.000279	0.00100
Di-isopropyl ether	U		0.000248	0.00100

Method Blank (MB)

(MB) R3297717-3 03/29/18 13:32

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Ethylbenzene	U		0.000297	0.00100
Hexachloro-1,3-butadiene	U		0.000342	0.00100
2-Hexanone	U		0.00137	0.0100
n-Hexane	U		0.000290	0.0100
Iodomethane	U		0.00253	0.0100
Isopropylbenzene	U		0.000243	0.00100
p-Isopropyltoluene	U		0.000204	0.00100
2-Butanone (MEK)	U		0.00468	0.0100
Methylene Chloride	U		0.00100	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.00188	0.0100
Methyl tert-butyl ether	U		0.000212	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.000206	0.00100
Styrene	U		0.000234	0.00100
1,1,1,2-Tetrachloroethane	U		0.000264	0.00100
1,1,2,2-Tetrachloroethane	U		0.000365	0.00100
Tetrachloroethene	U		0.000276	0.00100
Toluene	U		0.000434	0.00500
1,1,2-Trichlorotrifluoroethane	U		0.000365	0.00100
1,2,3-Trichlorobenzene	U		0.000306	0.00100
1,2,4-Trichlorobenzene	U		0.000388	0.00100
1,1,1-Trichloroethane	U		0.000286	0.00100
1,1,2-Trichloroethane	U		0.000277	0.00100
Trichloroethene	U		0.000279	0.00100
Trichlorofluoromethane	U		0.000382	0.00500
1,2,3-Trichloropropane	U		0.000741	0.00250
1,2,3-Trimethylbenzene	U		0.000287	0.00100
1,2,4-Trimethylbenzene	U		0.000211	0.00100
1,3,5-Trimethylbenzene	U		0.000266	0.00100
Vinyl acetate	U		0.00239	0.0100
Vinyl chloride	U		0.000291	0.00100
Xylenes, Total	U		0.000698	0.00300
(S) Toluene-d8	*108*			*80.0-120*
(S) Dibromofluoromethane	*97.4*			*74.0-131*
(S) 4-Bromofluorobenzene	*100*			*64.0-132*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3297717-1 03/29/18 12:28 • (LCSD) R3297717-2 03/29/18 12:50

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.125	0.125	0.121	100	97.1	11.0-160			3.23	23
Acrylonitrile	0.125	0.132	0.129	105	103	61.0-143			2.26	20
Benzene	0.0250	0.0251	0.0248	100	99.0	71.0-124			1.29	20
Bromobenzene	0.0250	0.0237	0.0233	94.7	93.3	78.0-120			1.49	20
Bromodichloromethane	0.0250	0.0248	0.0247	99.3	98.6	75.0-120			0.709	20
Bromochloromethane	0.0250	0.0260	0.0256	104	103	80.0-121			1.48	20
Bromoform	0.0250	0.0255	0.0245	102	98.1	65.0-133			4.07	20
Bromomethane	0.0250	0.0230	0.0229	91.9	91.5	26.0-160			0.479	20
n-Butylbenzene	0.0250	0.0248	0.0244	99.1	97.7	73.0-126			1.45	20
sec-Butylbenzene	0.0250	0.0249	0.0247	99.5	98.7	75.0-121			0.877	20
tert-Butylbenzene	0.0250	0.0253	0.0256	101	103	74.0-122			1.36	20
Carbon disulfide	0.0250	0.0250	0.0251	99.9	101	53.0-130			0.652	20
Carbon tetrachloride	0.0250	0.0245	0.0243	97.8	97.2	66.0-123			0.675	20
Chlorobenzene	0.0250	0.0258	0.0262	103	105	79.0-121			1.87	20
Chlorodibromomethane	0.0250	0.0264	0.0271	106	108	74.0-128			2.60	20
Chloroethane	0.0250	0.0235	0.0230	94.1	92.1	51.0-147			2.19	20
Chloroform	0.0250	0.0254	0.0251	102	100	73.0-123			1.48	20
Chloromethane	0.0250	0.0224	0.0221	89.5	88.2	51.0-138			1.48	20
2-Chlorotoluene	0.0250	0.0249	0.0246	99.5	98.3	72.0-124			1.21	20
4-Chlorotoluene	0.0250	0.0237	0.0238	95.0	95.0	78.0-120			0.0228	20
1,2-Dibromo-3-Chloropropane	0.0250	0.0266	0.0245	106	97.8	65.0-126			8.20	20
1,2-Dibromoethane	0.0250	0.0261	0.0260	104	104	78.0-122			0.262	20
Dibromomethane	0.0250	0.0248	0.0243	99.3	97.3	79.0-120			2.09	20
1,2-Dichlorobenzene	0.0250	0.0248	0.0248	99.2	99.1	80.0-120			0.172	20
1,3-Dichlorobenzene	0.0250	0.0247	0.0247	98.9	98.7	72.0-123			0.148	20
1,4-Dichlorobenzene	0.0250	0.0235	0.0233	94.0	93.2	77.0-120			0.780	20
trans-1,4-Dichloro-2-butene	0.0250	0.0245	0.0240	97.9	96.0	68.0-126			1.97	20
Dichlorodifluoromethane	0.0250	0.0179	0.0183	71.7	73.3	49.0-155			2.21	20
1,1-Dichloroethane	0.0250	0.0258	0.0257	103	103	70.0-128			0.522	20
1,2-Dichloroethane	0.0250	0.0248	0.0244	99.1	97.6	69.0-128			1.49	20
1,1-Dichloroethene	0.0250	0.0254	0.0253	101	101	63.0-131			0.397	20
cis-1,2-Dichloroethene	0.0250	0.0254	0.0253	102	101	74.0-123			0.473	20
trans-1,2-Dichloroethene	0.0250	0.0259	0.0258	104	103	72.0-122			0.484	20
1,2-Dichloropropane	0.0250	0.0249	0.0251	99.8	100	75.0-126			0.579	20
1,1-Dichloropropene	0.0250	0.0252	0.0245	101	98.0	72.0-130			2.91	20
1,3-Dichloropropane	0.0250	0.0255	0.0253	102	101	80.0-121			0.932	20
cis-1,3-Dichloropropene	0.0250	0.0262	0.0260	105	104	80.0-125			0.749	20
trans-1,3-Dichloropropene	0.0250	0.0260	0.0261	104	104	75.0-129			0.205	20
2,2-Dichloropropane	0.0250	0.0249	0.0251	99.5	100	60.0-129			0.702	20
Di-isopropyl ether	0.0250	0.0260	0.0254	104	102	62.0-133			2.27	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3297717-1 03/29/18 12:28 • (LCSD) R3297717-2 03/29/18 12:50

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Ethylbenzene	0.0250	0.0259	0.0263	103	105	77.0-120			1.71	20
Hexachloro-1,3-butadiene	0.0250	0.0262	0.0263	105	105	68.0-128			0.319	20
2-Hexanone	0.125	0.132	0.131	106	105	61.0-143			0.897	20
n-Hexane	0.0250	0.0241	0.0238	96.3	95.0	57.0-125			1.37	20
Iodomethane	0.125	0.127	0.128	101	102	67.0-132			0.804	20
Isopropylbenzene	0.0250	0.0245	0.0246	98.0	98.3	75.0-120			0.233	20
p-Isopropyltoluene	0.0250	0.0258	0.0257	103	103	74.0-125			0.224	20
2-Butanone (MEK)	0.125	0.128	0.123	103	98.7	37.0-159			3.84	20
Methylene Chloride	0.0250	0.0250	0.0248	100	99.4	67.0-123			0.606	20
4-Methyl-2-pentanone (MIBK)	0.125	0.134	0.132	107	105	60.0-144			1.57	20
Methyl tert-butyl ether	0.0250	0.0258	0.0251	103	100	66.0-125			2.56	20
Naphthalene	0.0250	0.0251	0.0246	101	98.3	64.0-125			2.28	20
n-Propylbenzene	0.0250	0.0245	0.0246	98.2	98.6	78.0-120			0.379	20
Styrene	0.0250	0.0246	0.0244	98.4	97.7	78.0-124			0.707	20
1,1,1,2-Tetrachloroethane	0.0250	0.0267	0.0271	107	108	74.0-124			1.46	20
1,1,2,2-Tetrachloroethane	0.0250	0.0241	0.0240	96.6	95.9	73.0-120			0.686	20
Tetrachloroethene	0.0250	0.0265	0.0264	106	106	70.0-127			0.125	20
Toluene	0.0250	0.0247	0.0252	98.8	101	77.0-120			2.06	20
1,1,2-Trichlorotrifluoroethane	0.0250	0.0263	0.0262	105	105	64.0-135			0.219	20
1,2,3-Trichlorobenzene	0.0250	0.0249	0.0248	99.7	99.4	68.0-126			0.341	20
1,2,4-Trichlorobenzene	0.0250	0.0240	0.0237	96.1	95.0	70.0-127			1.13	20
1,1,1-Trichloroethane	0.0250	0.0261	0.0260	104	104	69.0-125			0.470	20
1,1,2-Trichloroethane	0.0250	0.0257	0.0254	103	102	78.0-120			1.07	20
Trichloroethene	0.0250	0.0261	0.0263	104	105	79.0-120			0.938	20
Trichlorofluoromethane	0.0250	0.0247	0.0250	99.0	99.8	59.0-136			0.873	20
1,2,3-Trichloropropane	0.0250	0.0243	0.0232	97.0	92.7	73.0-124			4.60	20
1,2,3-Trimethylbenzene	0.0250	0.0246	0.0244	98.3	97.5	76.0-120			0.803	20
1,2,4-Trimethylbenzene	0.0250	0.0245	0.0244	98.0	97.7	75.0-120			0.249	20
1,3,5-Trimethylbenzene	0.0250	0.0250	0.0250	100	99.8	75.0-120			0.287	20
Vinyl acetate	0.125	0.130	0.127	104	102	58.0-156			2.09	20
Vinyl chloride	0.0250	0.0242	0.0243	96.9	97.3	63.0-134			0.423	20
Xylenes, Total	0.0750	0.0787	0.0807	105	108	77.0-120			2.51	20
(S) Toluene-d8				*109*	*111*	*80.0-120*				
(S) Dibromofluoromethane				*95.9*	*95.4*	*74.0-131*				
(S) 4-Bromofluorobenzene				*93.8*	*93.5*	*64.0-132*				

L980370-10 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L980370-10 03/29/18 17:29 • (MS) R3297717-4 03/29/18 22:08 • (MSD) R3297717-5 03/29/18 22:30

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acetone	0.125	U	4.33	4.65	69.3	74.3	50	10.0-160			7.00	36
Acrylonitrile	0.125	U	5.01	5.51	80.2	88.2	50	14.0-160			9.52	33
Benzene	0.0250	U	0.785	0.926	62.8	74.1	50	13.0-146			16.4	27
Bromobenzene	0.0250	U	0.867	1.01	69.4	80.8	50	10.0-149			15.3	33
Bromodichloromethane	0.0250	U	0.922	1.08	73.8	86.3	50	15.0-142			15.6	28
Bromochloromethane	0.0250	U	0.805	0.971	64.4	77.6	50	24.0-146			18.7	27
Bromoform	0.0250	U	0.951	1.02	76.1	81.9	50	10.0-147			7.38	31
Bromomethane	0.0250	U	0.464	0.584	37.1	46.8	50	10.0-160			22.9	32
n-Butylbenzene	0.0250	U	0.911	1.06	72.9	85.0	50	10.0-154			15.4	37
sec-Butylbenzene	0.0250	U	0.920	1.09	73.6	86.9	50	10.0-151			16.6	36
tert-Butylbenzene	0.0250	U	0.943	1.10	75.4	88.4	50	10.0-152			15.8	35
Carbon disulfide	0.0250	U	0.320	0.387	25.6	31.0	50	10.0-141			19.0	30
Carbon tetrachloride	0.0250	U	0.752	0.898	60.1	71.8	50	13.0-140			17.7	30
Chlorobenzene	0.0250	U	0.855	1.03	68.4	82.6	50	10.0-149			18.7	31
Chlorodibromomethane	0.0250	U	0.907	1.09	72.5	87.3	50	12.0-147			18.5	29
Chloroethane	0.0250	U	0.240	0.288	19.2	23.0	50	10.0-159			18.1	33
Chloroform	0.0250	U	0.880	1.05	70.4	83.7	50	18.0-148			17.2	28
Chloromethane	0.0250	U	0.530	0.659	42.4	52.7	50	10.0-146			21.8	29
2-Chlorotoluene	0.0250	U	0.905	1.05	72.4	84.2	50	10.0-151			15.0	35
4-Chlorotoluene	0.0250	U	0.872	1.01	69.7	80.6	50	10.0-150			14.5	35
1,2-Dibromo-3-Chloropropane	0.0250	U	0.923	1.07	73.9	85.9	50	10.0-149			15.1	34
1,2-Dibromoethane	0.0250	U	0.860	0.986	68.8	78.9	50	14.0-145			13.7	28
Dibromomethane	0.0250	U	0.849	0.964	67.9	77.1	50	18.0-144			12.7	27
1,2-Dichlorobenzene	0.0250	U	0.947	1.08	75.8	86.8	50	10.0-153			13.5	34
1,3-Dichlorobenzene	0.0250	U	0.903	1.06	72.2	85.2	50	10.0-150			16.4	35
1,4-Dichlorobenzene	0.0250	U	0.863	1.01	69.0	80.5	50	10.0-148			15.4	34
trans-1,4-Dichloro-2-butene	0.0250	U	0.978	1.03	78.3	82.2	50	10.0-160			4.87	40
Dichlorodifluoromethane	0.0250	U	0.636	0.798	50.9	63.8	50	10.0-160			22.5	30
1,1-Dichloroethane	0.0250	U	0.860	1.04	68.8	83.6	50	19.0-148			19.4	28
1,2-Dichloroethane	0.0250	U	0.883	0.985	70.6	78.8	50	17.0-147			11.0	27
1,1-Dichloroethene	0.0250	U	0.670	0.829	53.6	66.3	50	10.0-150			21.1	31
cis-1,2-Dichloroethene	0.0250	U	0.816	0.988	65.3	79.0	50	16.0-145			19.0	28
trans-1,2-Dichloroethene	0.0250	U	0.655	0.788	52.4	63.1	50	11.0-142			18.5	29
1,2-Dichloropropane	0.0250	U	0.930	1.08	74.4	86.1	50	17.0-148			14.6	28
1,1-Dichloropropene	0.0250	U	0.705	0.840	56.4	67.2	50	10.0-150			17.5	30
1,3-Dichloropropane	0.0250	U	0.892	1.01	71.4	80.8	50	16.0-148			12.4	27
cis-1,3-Dichloropropene	0.0250	U	0.869	1.02	69.5	81.8	50	13.0-150			16.2	28
trans-1,3-Dichloropropene	0.0250	U	0.901	1.03	72.1	82.7	50	10.0-152			13.7	29
2,2-Dichloropropane	0.0250	U	0.813	1.00	65.1	80.3	50	16.0-143			20.9	30
Di-isopropyl ether	0.0250	U	0.960	1.14	76.8	91.0	50	16.0-149			17.0	28

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

L980370-10 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L980370-10 03/29/18 17:29 • (MS) R3297717-4 03/29/18 22:08 • (MSD) R3297717-5 03/29/18 22:30

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Ethylbenzene	0.0250	U	0.817	1.01	65.4	81.0	50	10.0-147			21.4	31
Hexachloro-1,3-butadiene	0.0250	U	0.962	1.16	77.0	92.6	50	10.0-154			18.4	40
2-Hexanone	0.125	U	4.82	5.29	77.2	84.6	50	12.0-158			9.23	30
n-Hexane	0.0250	U	0.393	0.459	31.5	36.7	50	10.0-140			15.4	34
Iodomethane	0.125	U	3.24	3.99	51.9	63.8	50	10.0-157			20.6	34
Isopropylbenzene	0.0250	U	0.892	1.04	71.4	82.9	50	10.0-147			15.0	33
p-Isopropyltoluene	0.0250	U	0.936	1.11	74.9	88.7	50	10.0-156			16.9	37
2-Butanone (MEK)	0.125	U	5.10	5.30	81.6	84.8	50	10.0-160			3.86	33
Methylene Chloride	0.0250	U	0.761	0.916	60.9	73.3	50	16.0-139			18.5	29
4-Methyl-2-pentanone (MIBK)	0.125	U	4.93	5.36	78.9	85.8	50	12.0-160			8.35	32
Methyl tert-butyl ether	0.0250	U	0.956	1.10	76.5	87.8	50	21.0-145			13.8	29
Naphthalene	0.0250	U	0.952	1.07	76.2	85.8	50	10.0-153			11.8	36
n-Propylbenzene	0.0250	U	0.878	1.03	70.2	82.5	50	10.0-151			16.1	34
Styrene	0.0250	U	0.919	1.05	73.6	83.8	50	10.0-155			13.0	34
1,1,1,2-Tetrachloroethane	0.0250	U	0.915	1.12	73.2	89.7	50	10.0-147			20.2	30
1,1,2,2-Tetrachloroethane	0.0250	U	0.966	1.03	77.3	82.7	50	10.0-155			6.67	31
Tetrachloroethene	0.0250	U	0.721	0.888	57.7	71.1	50	10.0-144			20.8	32
Toluene	0.0250	U	0.764	0.909	61.1	72.7	50	10.0-144			17.3	28
1,1,2-Trichlorotrifluoroethane	0.0250	U	0.797	1.01	63.8	80.7	50	10.0-153			23.4	33
1,2,3-Trichlorobenzene	0.0250	U	0.916	1.12	73.3	89.3	50	10.0-153			19.7	40
1,2,4-Trichlorobenzene	0.0250	U	0.897	1.04	71.8	83.4	50	10.0-156			15.0	40
1,1,1-Trichloroethane	0.0250	U	0.837	1.03	67.0	82.3	50	18.0-145			20.5	29
1,1,2-Trichloroethane	0.0250	U	0.904	1.05	72.3	83.8	50	12.0-151			14.8	28
Trichloroethene	0.0250	U	0.812	0.997	64.9	79.7	50	11.0-148			20.4	29
Trichlorofluoromethane	0.0250	U	0.926	1.11	74.1	89.0	50	10.0-157			18.3	34
1,2,3-Trichloropropane	0.0250	U	0.918	1.03	73.5	82.2	50	10.0-154			11.2	32
1,2,3-Trimethylbenzene	0.0250	U	0.911	1.04	72.9	83.6	50	10.0-150			13.6	33
1,2,4-Trimethylbenzene	0.0250	U	0.901	1.05	72.0	83.6	50	10.0-151			14.9	34
1,3,5-Trimethylbenzene	0.0250	U	0.892	1.05	71.4	83.9	50	10.0-150			16.1	33
Vinyl acetate	0.125	U	3.79	3.42	60.6	54.8	50	10.0-160			10.1	40
Vinyl chloride	0.0250	U	0.570	0.732	45.6	58.6	50	10.0-150			24.9	29
Xylenes, Total	0.0750	U	2.50	3.05	66.6	81.3	50	10.0-150			19.9	31
(S) Toluene-d8					*103*	*107*		*80.0-120*				
(S) Dibromofluoromethane					*93.9*	*94.3*		*74.0-131*				
(S) 4-Bromofluorobenzene					*94.4*	*94.2*		*64.0-132*				

Method Blank (MB)

(MB) R3298057-2 03/30/18 11:05

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acetone	U		0.0100	0.0500
Acrylonitrile	U		0.00179	0.0100
Benzene	U		0.000270	0.00100
Bromobenzene	U		0.000284	0.00100
Bromodichloromethane	U		0.000254	0.00100
Bromochloromethane	U		0.000390	0.00500
Bromoform	U		0.000424	0.00100
Bromomethane	U		0.00134	0.00500
n-Butylbenzene	U		0.000258	0.00100
sec-Butylbenzene	U		0.000201	0.00100
tert-Butylbenzene	U		0.000206	0.00100
Carbon disulfide	U		0.000221	0.00100
Carbon tetrachloride	U		0.000328	0.00100
Chlorobenzene	U		0.000212	0.00100
Chlorodibromomethane	U		0.000373	0.00100
Chloroethane	U		0.000946	0.00500
Chloroform	U		0.000229	0.00500
Chloromethane	U		0.000375	0.00250
2-Chlorotoluene	U		0.000301	0.00100
4-Chlorotoluene	U		0.000240	0.00100
1,2-Dibromo-3-Chloropropane	U		0.00105	0.00500
1,2-Dibromoethane	U		0.000343	0.00100
Dibromomethane	U		0.000382	0.00100
1,2-Dichlorobenzene	U		0.000305	0.00100
1,3-Dichlorobenzene	U		0.000239	0.00100
1,4-Dichlorobenzene	U		0.000226	0.00100
trans-1,4-Dichloro-2-butene	U		0.000778	0.00250
Dichlorodifluoromethane	U		0.000713	0.00500
1,1-Dichloroethane	U		0.000199	0.00100
1,2-Dichloroethane	U		0.000265	0.00100
1,1-Dichloroethene	U		0.000303	0.00100
cis-1,2-Dichloroethene	U		0.000235	0.00100
trans-1,2-Dichloroethene	U		0.000264	0.00100
1,2-Dichloropropane	U		0.000358	0.00100
1,1-Dichloropropene	U		0.000317	0.00100
1,3-Dichloropropane	U		0.000207	0.00100
cis-1,3-Dichloropropene	U		0.000262	0.00100
trans-1,3-Dichloropropene	U		0.000267	0.00100
2,2-Dichloropropane	U		0.000279	0.00100
Di-isopropyl ether	U		0.000248	0.00100

Method Blank (MB)

(MB) R3298057-2 03/30/18 11:05

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Ethylbenzene	U		0.000297	0.00100
Hexachloro-1,3-butadiene	U		0.000342	0.00100
2-Hexanone	U		0.00137	0.0100
n-Hexane	U		0.000290	0.0100
Iodomethane	U		0.00253	0.0100
Isopropylbenzene	U		0.000243	0.00100
p-Isopropyltoluene	U		0.000204	0.00100
2-Butanone (MEK)	U		0.00468	0.0100
Methylene Chloride	U		0.00100	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.00188	0.0100
Methyl tert-butyl ether	U		0.000212	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.000206	0.00100
Styrene	U		0.000234	0.00100
1,1,1,2-Tetrachloroethane	U		0.000264	0.00100
1,1,2,2-Tetrachloroethane	U		0.000365	0.00100
Tetrachloroethene	U		0.000276	0.00100
Toluene	U		0.000434	0.00500
1,1,2-Trichlorotrifluoroethane	U		0.000365	0.00100
1,2,3-Trichlorobenzene	U		0.000306	0.00100
1,2,4-Trichlorobenzene	U		0.000388	0.00100
1,1,1-Trichloroethane	U		0.000286	0.00100
1,1,2-Trichloroethane	U		0.000277	0.00100
Trichloroethene	U		0.000279	0.00100
Trichlorofluoromethane	U		0.000382	0.00500
1,2,3-Trichloropropane	U		0.000741	0.00250
1,2,3-Trimethylbenzene	U		0.000287	0.00100
1,2,4-Trimethylbenzene	U		0.000211	0.00100
1,3,5-Trimethylbenzene	U		0.000266	0.00100
Vinyl acetate	U		0.00239	0.0100
Vinyl chloride	U		0.000291	0.00100
Xylenes, Total	U		0.000698	0.00300
(S) Toluene-d8	*103*			*80.0-120*
(S) Dibromofluoromethane	*117*			*74.0-131*
(S) 4-Bromofluorobenzene	*108*			*64.0-132*

Laboratory Control Sample (LCS)

(LCS) R3298057-1 03/30/18 09:53

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	0.125	0.0775	62.0	11.0-160	
Acrylonitrile	0.125	0.120	96.2	61.0-143	
Benzene	0.0250	0.0266	106	71.0-124	
Bromobenzene	0.0250	0.0244	97.4	78.0-120	
Bromodichloromethane	0.0250	0.0214	85.5	75.0-120	
Bromochloromethane	0.0250	0.0262	105	80.0-121	
Bromoform	0.0250	0.0220	88.2	65.0-133	
Bromomethane	0.0250	0.0344	138	26.0-160	
n-Butylbenzene	0.0250	0.0262	105	73.0-126	
sec-Butylbenzene	0.0250	0.0244	97.5	75.0-121	
tert-Butylbenzene	0.0250	0.0252	101	74.0-122	
Carbon disulfide	0.0250	0.0315	126	53.0-130	
Carbon tetrachloride	0.0250	0.0273	109	66.0-123	
Chlorobenzene	0.0250	0.0255	102	79.0-121	
Chlorodibromomethane	0.0250	0.0212	85.0	74.0-128	
Chloroethane	0.0250	0.0320	128	51.0-147	
Chloroform	0.0250	0.0264	106	73.0-123	
Chloromethane	0.0250	0.0316	126	51.0-138	
2-Chlorotoluene	0.0250	0.0276	110	72.0-124	
4-Chlorotoluene	0.0250	0.0260	104	78.0-120	
1,2-Dibromo-3-Chloropropane	0.0250	0.0198	79.3	65.0-126	
1,2-Dibromoethane	0.0250	0.0210	84.2	78.0-122	
Dibromomethane	0.0250	0.0239	95.5	79.0-120	
1,2-Dichlorobenzene	0.0250	0.0248	99.1	80.0-120	
1,3-Dichlorobenzene	0.0250	0.0257	103	72.0-123	
1,4-Dichlorobenzene	0.0250	0.0251	100	77.0-120	
trans-1,4-Dichloro-2-butene	0.0250	0.0180	72.1	68.0-126	
Dichlorodifluoromethane	0.0250	0.0315	126	49.0-155	
1,1-Dichloroethane	0.0250	0.0276	110	70.0-128	
1,2-Dichloroethane	0.0250	0.0255	102	69.0-128	
1,1-Dichloroethene	0.0250	0.0306	122	63.0-131	
cis-1,2-Dichloroethene	0.0250	0.0276	110	74.0-123	
trans-1,2-Dichloroethene	0.0250	0.0291	116	72.0-122	
1,2-Dichloropropane	0.0250	0.0239	95.5	75.0-126	
1,1-Dichloropropene	0.0250	0.0295	118	72.0-130	
1,3-Dichloropropane	0.0250	0.0235	93.8	80.0-121	
cis-1,3-Dichloropropene	0.0250	0.0221	88.4	80.0-125	
trans-1,3-Dichloropropene	0.0250	0.0214	85.7	75.0-129	
2,2-Dichloropropane	0.0250	0.0323	129	60.0-129	
Di-isopropyl ether	0.0250	0.0291	116	62.0-133	

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Laboratory Control Sample (LCS)

(LCS) R3298057-1 03/30/18 09:53

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Ethylbenzene	0.0250	0.0242	96.7	77.0-120	
Hexachloro-1,3-butadiene	0.0250	0.0220	88.2	68.0-128	
2-Hexanone	0.125	0.0972	77.7	61.0-143	
n-Hexane	0.0250	0.0252	101	57.0-125	
Iodomethane	0.125	0.162	129	67.0-132	
Isopropylbenzene	0.0250	0.0246	98.5	75.0-120	
p-Isopropyltoluene	0.0250	0.0258	103	74.0-125	
2-Butanone (MEK)	0.125	0.114	90.9	37.0-159	
Methylene Chloride	0.0250	0.0243	97.3	67.0-123	
4-Methyl-2-pentanone (MIBK)	0.125	0.113	90.0	60.0-144	
Methyl tert-butyl ether	0.0250	0.0239	95.7	66.0-125	
Naphthalene	0.0250	0.0199	79.4	64.0-125	
n-Propylbenzene	0.0250	0.0273	109	78.0-120	
Styrene	0.0250	0.0234	93.6	78.0-124	
1,1,1,2-Tetrachloroethane	0.0250	0.0229	91.5	74.0-124	
1,1,2,2-Tetrachloroethane	0.0250	0.0223	89.2	73.0-120	
Tetrachloroethene	0.0250	0.0210	83.8	70.0-127	
Toluene	0.0250	0.0232	92.8	77.0-120	
1,1,2-Trichlorotrifluoroethane	0.0250	0.0362	145	64.0-135	J4
1,2,3-Trichlorobenzene	0.0250	0.0231	92.3	68.0-126	
1,2,4-Trichlorobenzene	0.0250	0.0244	97.5	70.0-127	
1,1,1-Trichloroethane	0.0250	0.0288	115	69.0-125	
1,1,2-Trichloroethane	0.0250	0.0204	81.4	78.0-120	
Trichloroethene	0.0250	0.0271	109	79.0-120	
Trichlorofluoromethane	0.0250	0.0347	139	59.0-136	J4
1,2,3-Trichloropropane	0.0250	0.0220	87.9	73.0-124	
1,2,3-Trimethylbenzene	0.0250	0.0246	98.3	76.0-120	
1,2,4-Trimethylbenzene	0.0250	0.0246	98.3	75.0-120	
1,3,5-Trimethylbenzene	0.0250	0.0258	103	75.0-120	
Vinyl acetate	0.125	0.205	164	58.0-156	J4
Vinyl chloride	0.0250	0.0277	111	63.0-134	
Xylenes, Total	0.0750	0.0694	92.5	77.0-120	
(S) Toluene-d8			*102*	*80.0-120*	
(S) Dibromofluoromethane			*108*	*74.0-131*	
(S) 4-Bromofluorobenzene			*106*	*64.0-132*	

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Abbreviations and Definitions

(dry)	Results are reported based on the dry weight of the sample. [this will only be present on a dry report basis for soils].
MDL	Method Detection Limit.
MDL (dry)	Method Detection Limit.
RDL	Reported Detection Limit.
RDL (dry)	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
J	The identification of the analyte is acceptable; the reported value is an estimate.
J0	J0: Calibration verification outside of acceptance limits. Result is estimated.
J3	The associated batch QC was outside the established quality control range for precision.
J4	The associated batch QC was outside the established quality control range for accuracy.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.
V	The sample concentration is too high to evaluate accurate spike recoveries.

ACCREDITATIONS & LOCATIONS

ESC Lab Sciences is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our one location design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be YOUR LAB OF CHOICE.
* Not all certifications held by the laboratory are applicable to the results reported in the attached report.
* Accreditation is only applicable to the test methods specified on each scope of accreditation held by ESC Lab Sciences.

State Accreditations

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN-03-2002-34
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	n/a
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO00356
Kentucky [1 6]	90010	South Carolina	84004
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana [1]	LA180010	Texas	T 104704245-17-14
Maine	TN0002	Texas [5]	LAB0152
Maryland	324	Utah	TN00003
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	460132
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	9980939910
Montana	CERT0086	Wyoming	A2LA

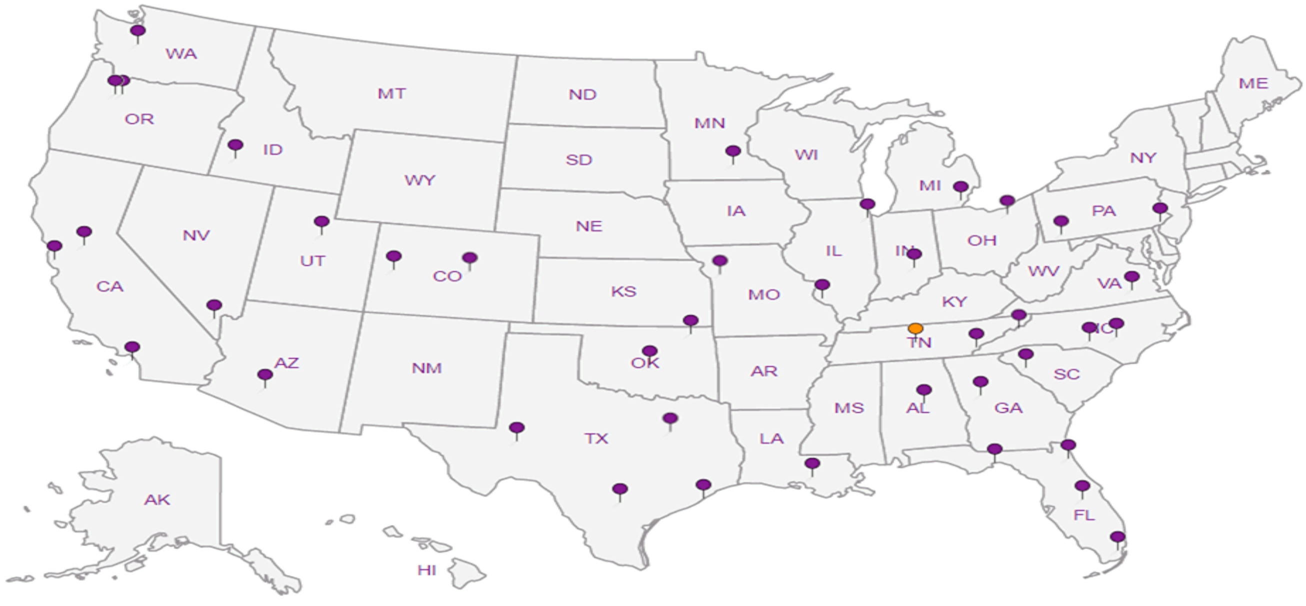
Third Party Federal Accreditations

A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

Our Locations

ESC Lab Sciences has sixty-four client support centers that provide sample pickup and/or the delivery of sampling supplies. If you would like assistance from one of our support offices, please contact our main office. ESC Lab Sciences performs all testing at our central laboratory.



PES Environmental, Inc.- WA

1215 Fourth Ave., Suite 1350
Seattle, WA 98161

Billing Information:
Attn: Accounts Payable
1215 Fourth Ave., Ste. 1350
Seattle, WA 98161

Pres Chk

Analysis / Container / Preservative

Chain of Custody Page ___ of ___

ESC LAB SCIENCES

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

Report to:
Brian O'Neal

Email To: **boneal@pesenv.com**

Project Description: **American Linen Supply Project**

City/State Collected: SEATTLE WA

Phone: **206-529-3980**
Fax: **206-529-3985**

Client Project # **1413.001.05.304**

Lab Project # **PESENVSWA-ALP**

Collected by (print): Dan Johnson

Site/Facility ID #

P.O. #

Collected by (signature): Dan Johnson

Immediately Packed on Ice N X Y ___

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

L# 926300

B193

Acctnum: **PESENVSWA**
Template: **T133573**
Prelogin: **P644382**
TSR: **110 - Brian Ford**
PB:

Shipped Via:

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260C VOCs 40ml/NaHS04/Syr/MeOH	dry wt,voc screen 2ozClr-NoPres	Remarks	Sample # (lab only)
IW-48B-5	Grab	SS	5	3-23-18	0917	5	X	X		-01
IW-48B-10		SS	10		0923	5	X	X		-02
IW-48B-15		SS	15		0931	5	X	X		-03
IW-48B-20		SS	20		0941	5	X	X		-04
IW-48B-25		SS	25		0955	5	X	X		-05
IW-48B-30		SS	30		1018	5	X	X		-06
IW-48B-35		SS	35		1033	5	X	X		-07
IW-48B-40		SS	40		1053	5	X	X		-08
IW-48B-42		SS	42		1112	5	X	X		-09
IW-48B-45		SS	45		1122	5	X	X		-10

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_______

Remarks:

pH ______ Temp ______

Flow ______ Other ______

Samples returned via:
__ UPS __ FedEx __ Courier ___ ______

Tracking # 4269 9212 5367

Sample Receipt Checklist
COC Seal Present/Intact: ✓NP __Y __N
COC Signed/Accurate: ✓Y __N
Bottles arrive intact: ✓Y __N
Correct bottles used: ✓Y __N
Sufficient volume sent: ✓Y __N
If Applicable
VOA Zero Headspace: __Y __N
Preservation Correct/Checked: __Y __N

Relinquished by : (Signature) R.T. McLaughlin	Date: 3-23-18	Time: 1606	Received by: (Signature)	Trip Blank Received: Yes [✓ No] HCL / MeoH TBR	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 5.9 °C	Bottles Received: 85	If preservation required by Login: Date/Time
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 3/24/18	Time: 8:45	Hold:	Condition: NCF / [✓ OK]

Chain of Custody Page ___ of ___

ESC

LAB SCIENCES

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

PES Environmental, Inc.- WA

1215 Fourth Ave., Suite 1350
Seattle, WA 98161

Billing Information:
Attn: Accounts Payable
1215 Fourth Ave., Ste. 1350
Seattle, WA 98161

Pres Chk

Email To: boneal@pesenv.com

Report to: **Brian O'Neal**

Project Description: **American Linen Supply Project**

City/State Collected: SEATTLE WA

Phone: 206-529-3980
Fax: 206-529-3985

Client Project # 1413.001.05.304

Lab Project # PESENVSWA-ALP

Collected by (print): Dan Johnson

Site/Facility ID #

P.O. #

Collected by (signature): Dan Johnson

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Immediately Packed on Ice N X Y ___

L# 960300

Table #

Acctnum: **PESENVSWA**
Template: **T133573**
Prelogin: **P644382**
TSR: **110 - Brian Ford**
PB:
Shipped Via:

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260C VOCs 40ml/NaHS04/Syr/MeOH	dry wt,voc screen 2ozClr-NoPres	Remarks	Sample # (lab only)
IW-48B-50	Grab	SS	50	3-23-18	1129	5	X	X		-11
IW-48B-55		SS	55		1136	5	X	X		-12
IW-48B-60		SS	60		1145	5	X	X		-13
IW-48B-65		SS	65		1150	5	X	X		-14
IW-48B-70		SS	70		1208	5	X	X		-15
IW-48B-75			75		1219	5	X	X		-16
IW-905-42	X		42	X	1231	5	X	X		-17

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other ________

Remarks:

pH ______ Temp ______

Flow ______ Other ______

Samples returned via:
__ UPS __ FedEx __ Courier ______

Tracking # 4269 9212 5367

Sample Receipt Checklist
COC Seal Present/Intact: ✓ NP __Y __N
COC Signed/Accurate: ✓Y __N
Bottles arrive intact: ✓Y __N
Correct bottles used: ✓Y __N
Sufficient volume sent: ✓Y __N
If Applicable
VOA Zero Headspace: __Y __N
Preservation Correct/Checked: __Y __N

Relinquished by : (Signature)	Date: 3-23-18	Time: 1606	Received by: (Signature)	Trip Blank Received: Yes [✓ No] HCL / MeOH TBR
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 5.9 °C Bottles Received: 85
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 3/24/18 Time: 8:45

If preservation required by Login: Date/Time

Hold:

Condition: NCF / [✓ OK]

MEMORANDUM

TO: Project File **DATE:** April 16, 2018

FROM: Jessie Compeau

SUBJECT: Laboratory Data Validation Review

PROJECT: Former American Linen Supply Site, Seattle WA

PROJECT #: 1413.001.05.304

TASK: March 23, 2018 – Soil Samples

LAB: ESC Lab ID L980300

Seventeen (17) soil samples including a field duplicate were collected as part of a sampling event at the Former American Linen Supply Site, in Seattle, Washington, on March 23, 2018. The samples were shipped and delivered to ESC Lab Sciences (ESC) of Mount Juliet, TN for laboratory analysis. Selected samples were analyzed for the following:

- Volatile organic compounds (VOCs) by United States Environmental Protection Agency (USEPA) Method 8260C; and
- Total Solids by Standard Methods 2540 G-2011.

The results are reported in ESC Sample Delivery Group (SDG) L980300. The sampling event occurred between March 2 and March 27 of 2018. Associated sample data are reported in ten ESC SDGs (SDGs L975879, L977245, L977743, L979219, L979234, L980300, L980719, L980722, L980954, and L980958). The quality assurance review of the sample data associated with SDG L980300 is summarized below.

DATA QUALIFICATIONS

Guidelines established by USEPA for a limited data validation review of analytical data along with ESC control limit criteria were used to validate the data. The comments presented in this memorandum refer to the laboratory's performance in meeting the quality control criteria outlined in the USEPA Contract Laboratory Program National Functional Guidelines for Organic Superfund Methods Data Review (USEPA, 2017).

DATA VALIDATION

Completeness

All samples were collected and analyzed as requested.

Sample Collection and Preservation

Samples were collected in laboratory-supplied sample containers preserved as appropriate for the individual analyses conducted. The samples were packed on ice and shipped by courier to ESC.

The laboratory reported that the cooler and samples were received at 5.9 degrees Centigrade (°C) and below the recommended temperature preservation of 6°C. The laboratory indicated that the samples were received in good condition. No data were qualified based upon the sample collection and preservation information.

Holding Times

USEPA Method 8260C:
All samples were analyzed for VOCs within the USEPA recommended holding time of fourteen days for soils from the date of sample collection. All holding time criteria were met.

Total Solids by SM 2540 G 2011:
Samples were analyzed within the USEPA recommended holding time of seven days for total solids.

Initial and Continuing Calibration

Calibration data for this project are not required for this deliverable however ESC's notes indicate the following:

- *USEPA Method 8260C:* Continuing calibration verification (CCV) issues were noted by ESC for acetone, bromoform, carbon disulfide, chloromethane, dichlorodifluoromethane, trans-1,4-dichloro-2-butene, di-isopropyl ether, n-hexane, and 2-butanone (MEK) associated with soil analytical batch WG1090297 (analyzed on March 28, 2018). These results are qualified by the laboratory "J0" to indicate that percent difference CCVs are outside of laboratory acceptance criteria. **Associated sample with laboratory qualified (J0) results are estimated and qualified (J/UJ).**

- *USEPA Method 8260C:* Continuing calibration verification (CCV) issues were noted by ESC for acetone, acrylonitrile, chloromethane, dichlorodifluoromethane, di-isopropyl ether, 2-hexanone, n-Hexane, 2-butanone (MEK), 4-methyl-2-pentanone (MIBK) associated with soil analytical batch WG1090697 (analyzed on March 29, 2018). These results are qualified by the laboratory "J0" to indicate that percent difference CCVs are outside of laboratory acceptance criteria. **Associated sample results with laboratory qualified (J0) results are estimated and qualified (J/UJ).**

- *USEPA Method 8260C:* Continuing calibration verification (CCV) issues were noted by ESC for dichlorodifluoromethane associated with sample soil analytical batch WG1091141 (analyzed on March 29, 2018). Sample results are qualified by the laboratory "J0" to indicate that percent difference CCVs are outside of laboratory acceptance criteria. **Associated sample with laboratory qualified (J0) results are estimated and qualified (J/UJ).**

- *USEPA Method 8260C:* Continuing calibration verification (CCV) issues were noted by ESC for acetone, bromodichloromethane, chlorodibromomethane, 1,2-dibromo-3-chloropropane, 1,2-dibromoethane, trans-1,4-dichloro-2-butene, 2-hexanone, and 1,1,2-trichloroethane associated with most soils within soil analytical batch WG1091540 (analyzed on March 30, 2018). These results are qualified by the laboratory "J0" to indicate that percent difference CCVs are outside of laboratory acceptance criteria. **Associated sample with laboratory qualified (J0) results are estimated and qualified (J/UJ).**

Method Blank Results

USEPA Method 8260C:
Laboratory method blanks were included with the analytical batch per method requirement. The target analytes (VOCs) were not detected in the method blanks at or above the reported detection limits (RDLs) with the following exception:

- Analytical batch WG1090297: Carbon disulfide was detected at a low level below the RDL in the method blank. No action was necessary as it was not detected in the associated samples.

Total Solids by SM 2540 G 2011:
Laboratory method blanks were included with the analytical batches per method requirement. The target analytes (% solids) were not detected at a significant level in the method blanks and sample results are not impacted.

Trip Blank Results

USEPA Method 8260C:
A trip blank was not collected.

Field, Rinsate, or Equipment Blank Results

Field, rinsate, or equipment blanks were not collected.

Field Duplicate Analyses

Field duplicate (samples IW-48B-42 and IW-905-42) results are comparable and less than 30% RPD (for results >5X the RDL).

Laboratory Duplicate Analyses

USEPA Method 8260C:
A laboratory duplicate sample was not analyzed. Refer to laboratory control sample/sample duplicate (LCS/LCSD) or field duplicate results for precision data.

Total Solids by SM 2540 G 2011:
Laboratory duplicate sample analyses were performed on client samples IW-48B-5, IW-48B-35, and on a non-client sample within the analytical batch. The primary/duplicate RPDs for total solids analyses are within the laboratory control limit of 5%.

Surrogate Recoveries

USEPA Method 8260C:
The surrogate recovery results for the samples, laboratory control samples, matrix spike samples, and the method blanks are within the laboratory surrogate control limits for all of the analyses.

Laboratory Control Samples

USEPA Method 8260C:
LCS or LCS/LCSDs were analyzed by USEPA Method 8260C method. The LCS/LCSD %Rs and RPDs for the all target compounds are within the laboratory control criteria for soils with the following exceptions:

- LCS (analytical batch WG1091540): Recoveries for spiking compounds 1,1,2-trichlorotrifluoroethane, trichlorofluoromethane, and vinyl acetate were slightly above laboratory acceptance criteria and qualified by the laboratory (J4). No action was necessary since these compounds were not detected in the associated samples.

Total Solids by SM 2540 G 2011:
The LCS %Rs for total solids are within the laboratory control criteria for soils.

Matrix Spike/Matrix Spike Duplicates

USEPA Method 8260C:
Matrix spike/matrix spike duplicate (MS/MSD) analyses was performed on sample IW-48B-60. The MS/MSD %Rs and RPDs for the all target compounds are within the laboratory control criteria for soils with the following exceptions:

- Analytical batch WG1090697: MS/MSD RPDs were elevated for spike compounds acetone, 1,2-dibromo-3-chloropropane, and 2-hexanone. No action is taken since recoveries are within and LCS/LCSD criteria are met. Two compounds (cis-1,2-dichloroethene and tetrachloroethene) are qualified (V) by the ESC to indicate that the spike was not recovered due to sample concentrations which are significantly greater than the spiked amount. No action is taken in these cases. **Spike recovery for trans-1,2-dichloroethene was not recovered from sample IW-48B-60 and the positively detected result is qualified as estimated (J).**

Refer to LCS/LCSD and field duplicate results for precision and accuracy data associated with soils.

Other Quality Control Issues

No laboratory quality control issues were identified in the laboratory report.

Compound Identification and Quantitation Limits

The RDLs used for this sample group are acceptable for the project. Several samples were diluted due to elevated concentrations of various target analytes.

Detections between the MDL and RDL are estimated (J) by the laboratory and qualified (J) by the data validator to re-emphasize that the detection is estimated.

Data Assessment

The laboratory data reported for this project were reviewed based on laboratory control limit acceptance criteria and criteria outlined in:

- USEPA Contract Laboratory Program National Functional Guidelines for Organic Superfund Methods Data Review (USEPA, 2017).

Data qualifiers were assigned and laboratory report pages with qualifiers are attached. All data, including qualified data, are judged to be acceptable for their intended use.

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	86.5		1	03/30/2018 14:33	WG1091415

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U	UJ J0	0.0116	0.0578	1	03/28/2018 19:20	WG1090297
Acrylonitrile	U		0.00207	0.0116	1	03/28/2018 19:20	WG1090297
Benzene	U		0.000312	0.00116	1	03/28/2018 19:20	WG1090297
Bromobenzene	U		0.000328	0.00116	1	03/28/2018 19:20	WG1090297
Bromodichloromethane	U		0.000294	0.00116	1	03/28/2018 19:20	WG1090297
Bromochloromethane	U		0.000451	0.00578	1	03/28/2018 19:20	WG1090297
Bromoform	U	UJ J0	0.000490	0.00116	1	03/28/2018 19:20	WG1090297
Bromomethane	U		0.00155	0.00578	1	03/28/2018 19:20	WG1090297
n-Butylbenzene	U		0.000298	0.00116	1	03/28/2018 19:20	WG1090297
sec-Butylbenzene	U		0.000232	0.00116	1	03/28/2018 19:20	WG1090297
tert-Butylbenzene	U		0.000238	0.00116	1	03/28/2018 19:20	WG1090297
Carbon disulfide	U	UJ J0	0.000255	0.00116	1	03/28/2018 19:20	WG1090297
Carbon tetrachloride	U		0.000379	0.00116	1	03/28/2018 19:20	WG1090297
Chlorobenzene	U		0.000245	0.00116	1	03/28/2018 19:20	WG1090297
Chlorodibromomethane	U		0.000431	0.00116	1	03/28/2018 19:20	WG1090297
Chloroethane	U		0.00109	0.00578	1	03/28/2018 19:20	WG1090297
Chloroform	U		0.000265	0.00578	1	03/28/2018 19:20	WG1090297
Chloromethane	U	UJ J0	0.000433	0.00289	1	03/28/2018 19:20	WG1090297
2-Chlorotoluene	U		0.000348	0.00116	1	03/28/2018 19:20	WG1090297
4-Chlorotoluene	U		0.000277	0.00116	1	03/28/2018 19:20	WG1090297
1,2-Dibromo-3-Chloropropane	U		0.00121	0.00578	1	03/28/2018 19:20	WG1090297
1,2-Dibromoethane	U		0.000396	0.00116	1	03/28/2018 19:20	WG1090297
Dibromomethane	U		0.000441	0.00116	1	03/28/2018 19:20	WG1090297
1,2-Dichlorobenzene	U		0.000352	0.00116	1	03/28/2018 19:20	WG1090297
1,3-Dichlorobenzene	U		0.000276	0.00116	1	03/28/2018 19:20	WG1090297
1,4-Dichlorobenzene	U		0.000261	0.00116	1	03/28/2018 19:20	WG1090297
Dichlorodifluoromethane	U	UJ J0	0.000824	0.00578	1	03/28/2018 19:20	WG1090297
1,1-Dichloroethane	U		0.000230	0.00116	1	03/28/2018 19:20	WG1090297
1,2-Dichloroethane	U		0.000306	0.00116	1	03/28/2018 19:20	WG1090297
1,1-Dichloroethene	U		0.000350	0.00116	1	03/28/2018 19:20	WG1090297
cis-1,2-Dichloroethene	U		0.000272	0.00116	1	03/28/2018 19:20	WG1090297
trans-1,2-Dichloroethene	U		0.000305	0.00116	1	03/28/2018 19:20	WG1090297
1,2-Dichloropropane	U		0.000414	0.00116	1	03/28/2018 19:20	WG1090297
1,1-Dichloropropene	U		0.000366	0.00116	1	03/28/2018 19:20	WG1090297
1,3-Dichloropropane	U		0.000239	0.00116	1	03/28/2018 19:20	WG1090297
cis-1,3-Dichloropropene	U		0.000303	0.00116	1	03/28/2018 19:20	WG1090297
trans-1,3-Dichloropropene	U		0.000309	0.00116	1	03/28/2018 19:20	WG1090297
trans-1,4-Dichloro-2-butene	U	UJ J0	0.000899	0.00289	1	03/28/2018 19:20	WG1090297
2,2-Dichloropropane	U		0.000322	0.00116	1	03/28/2018 19:20	WG1090297
Di-isopropyl ether	U	UJ J0	0.000287	0.00116	1	03/28/2018 19:20	WG1090297
Ethylbenzene	U		0.000343	0.00116	1	03/28/2018 19:20	WG1090297
Hexachloro-1,3-butadiene	U		0.000395	0.00116	1	03/28/2018 19:20	WG1090297
2-Hexanone	U		0.00158	0.0116	1	03/28/2018 19:20	WG1090297
n-Hexane	U	UJ J0	0.000335	0.0116	1	03/28/2018 19:20	WG1090297
Iodomethane	U		0.00292	0.0116	1	03/28/2018 19:20	WG1090297
Isopropylbenzene	U		0.000281	0.00116	1	03/28/2018 19:20	WG1090297
p-Isopropyltoluene	U		0.000236	0.00116	1	03/28/2018 19:20	WG1090297
2-Butanone (MEK)	U	UJ J0	0.00541	0.0116	1	03/28/2018 19:20	WG1090297
Methylene Chloride	U		0.00116	0.00578	1	03/28/2018 19:20	WG1090297
4-Methyl-2-pentanone (MIBK)	U		0.00217	0.0116	1	03/28/2018 19:20	WG1090297

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000245	0.00116	1	03/28/2018 19:20	WG1090297
Naphthalene	U		0.00116	0.00578	1	03/28/2018 19:20	WG1090297
n-Propylbenzene	U		0.000238	0.00116	1	03/28/2018 19:20	WG1090297
Styrene	U		0.000270	0.00116	1	03/28/2018 19:20	WG1090297
1,1,1,2-Tetrachloroethane	U		0.000305	0.00116	1	03/28/2018 19:20	WG1090297
1,1,2,2-Tetrachloroethane	U		0.000422	0.00116	1	03/28/2018 19:20	WG1090297
1,1,2-Trichlorotrifluoroethane	U		0.000422	0.00116	1	03/28/2018 19:20	WG1090297
Tetrachloroethene	0.0108		0.000319	0.00116	1	03/29/2018 18:46	WG1090297
Toluene	U		0.000502	0.00578	1	03/28/2018 19:20	WG1090297
1,2,3-Trichlorobenzene	U		0.000354	0.00116	1	03/28/2018 19:20	WG1090297
1,2,4-Trichlorobenzene	U		0.000448	0.00116	1	03/28/2018 19:20	WG1090297
1,1,1-Trichloroethane	U		0.000331	0.00116	1	03/28/2018 19:20	WG1090297
1,1,2-Trichloroethane	U		0.000320	0.00116	1	03/28/2018 19:20	WG1090297
Trichloroethene	U		0.000322	0.00116	1	03/28/2018 19:20	WG1090297
Trichlorofluoromethane	U		0.000441	0.00578	1	03/28/2018 19:20	WG1090297
1,2,3-Trichloropropane	U		0.000856	0.00289	1	03/28/2018 19:20	WG1090297
1,2,4-Trimethylbenzene	U		0.000244	0.00116	1	03/28/2018 19:20	WG1090297
1,2,3-Trimethylbenzene	U		0.000332	0.00116	1	03/28/2018 19:20	WG1090297
1,3,5-Trimethylbenzene	U		0.000307	0.00116	1	03/28/2018 19:20	WG1090297
Vinyl acetate	U		0.00276	0.0116	1	03/28/2018 19:20	WG1090297
Vinyl chloride	U		0.000336	0.00116	1	03/28/2018 19:20	WG1090297
Xylenes, Total	U		0.000807	0.00347	1	03/28/2018 19:20	WG1090297
(S) Toluene-d8	*107*			*80.0-120*		*03/28/2018 19:20*	WG1090297
(S) Toluene-d8	*95.4*			*80.0-120*		*03/29/2018 18:46*	WG1090297
(S) Dibromofluoromethane	*101*			*74.0-131*		*03/28/2018 19:20*	WG1090297
(S) Dibromofluoromethane	*107*			*74.0-131*		*03/29/2018 18:46*	WG1090297
(S) 4-Bromofluorobenzene	*90.0*			*64.0-132*		*03/28/2018 19:20*	WG1090297
(S) 4-Bromofluorobenzene	*89.3*			*64.0-132*		*03/29/2018 18:46*	WG1090297

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	88.3		1	03/30/2018 14:33	WG1091415

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U	UJ J0	0.0113	0.0566	1	03/28/2018 19:40	WG1090297
Acrylonitrile	U		0.00203	0.0113	1	03/28/2018 19:40	WG1090297
Benzene	U		0.000306	0.00113	1	03/28/2018 19:40	WG1090297
Bromobenzene	U		0.000322	0.00113	1	03/28/2018 19:40	WG1090297
Bromodichloromethane	U		0.000288	0.00113	1	03/28/2018 19:40	WG1090297
Bromochloromethane	U		0.000442	0.00566	1	03/28/2018 19:40	WG1090297
Bromoform	U	UJ J0	0.000480	0.00113	1	03/28/2018 19:40	WG1090297
Bromomethane	U		0.00152	0.00566	1	03/28/2018 19:40	WG1090297
n-Butylbenzene	U		0.000292	0.00113	1	03/28/2018 19:40	WG1090297
sec-Butylbenzene	U		0.000228	0.00113	1	03/28/2018 19:40	WG1090297
tert-Butylbenzene	U		0.000233	0.00113	1	03/28/2018 19:40	WG1090297
Carbon disulfide	U	UJ J0	0.000250	0.00113	1	03/28/2018 19:40	WG1090297
Carbon tetrachloride	U		0.000371	0.00113	1	03/28/2018 19:40	WG1090297
Chlorobenzene	U		0.000240	0.00113	1	03/28/2018 19:40	WG1090297
Chlorodibromomethane	U		0.000422	0.00113	1	03/28/2018 19:40	WG1090297
Chloroethane	U		0.00107	0.00566	1	03/28/2018 19:40	WG1090297
Chloroform	U		0.000259	0.00566	1	03/28/2018 19:40	WG1090297
Chloromethane	U	UJ J0	0.000425	0.00283	1	03/28/2018 19:40	WG1090297
2-Chlorotoluene	U		0.000341	0.00113	1	03/28/2018 19:40	WG1090297
4-Chlorotoluene	U		0.000272	0.00113	1	03/28/2018 19:40	WG1090297
1,2-Dibromo-3-Chloropropane	U		0.00119	0.00566	1	03/28/2018 19:40	WG1090297
1,2-Dibromoethane	U		0.000388	0.00113	1	03/28/2018 19:40	WG1090297
Dibromomethane	U		0.000432	0.00113	1	03/28/2018 19:40	WG1090297
1,2-Dichlorobenzene	U		0.000345	0.00113	1	03/28/2018 19:40	WG1090297
1,3-Dichlorobenzene	U		0.000271	0.00113	1	03/28/2018 19:40	WG1090297
1,4-Dichlorobenzene	U		0.000256	0.00113	1	03/28/2018 19:40	WG1090297
Dichlorodifluoromethane	U	UJ J0	0.000807	0.00566	1	03/28/2018 19:40	WG1090297
1,1-Dichloroethane	U		0.000225	0.00113	1	03/28/2018 19:40	WG1090297
1,2-Dichloroethane	U		0.000300	0.00113	1	03/28/2018 19:40	WG1090297
1,1-Dichloroethene	U		0.000343	0.00113	1	03/28/2018 19:40	WG1090297
cis-1,2-Dichloroethene	0.00100	J J	0.000266	0.00113	1	03/28/2018 19:40	WG1090297
trans-1,2-Dichloroethene	U		0.000299	0.00113	1	03/28/2018 19:40	WG1090297
1,2-Dichloropropane	U		0.000405	0.00113	1	03/28/2018 19:40	WG1090297
1,1-Dichloropropene	U		0.000359	0.00113	1	03/28/2018 19:40	WG1090297
1,3-Dichloropropane	U		0.000234	0.00113	1	03/28/2018 19:40	WG1090297
cis-1,3-Dichloropropene	U		0.000297	0.00113	1	03/28/2018 19:40	WG1090297
trans-1,3-Dichloropropene	U		0.000302	0.00113	1	03/28/2018 19:40	WG1090297
trans-1,4-Dichloro-2-butene	U	UJ J0	0.000881	0.00283	1	03/28/2018 19:40	WG1090297
2,2-Dichloropropane	U		0.000316	0.00113	1	03/28/2018 19:40	WG1090297
Di-isopropyl ether	U	UJ J0	0.000281	0.00113	1	03/28/2018 19:40	WG1090297
Ethylbenzene	U		0.000336	0.00113	1	03/28/2018 19:40	WG1090297
Hexachloro-1,3-butadiene	U		0.000387	0.00113	1	03/28/2018 19:40	WG1090297
2-Hexanone	U		0.00155	0.0113	1	03/28/2018 19:40	WG1090297
n-Hexane	U	UJ J0	0.000328	0.0113	1	03/28/2018 19:40	WG1090297
Iodomethane	U		0.00286	0.0113	1	03/28/2018 19:40	WG1090297
Isopropylbenzene	U		0.000275	0.00113	1	03/28/2018 19:40	WG1090297
p-Isopropyltoluene	U		0.000231	0.00113	1	03/28/2018 19:40	WG1090297
2-Butanone (MEK)	U	UJ J0	0.00530	0.0113	1	03/28/2018 19:40	WG1090297
Methylene Chloride	U		0.00113	0.00566	1	03/28/2018 19:40	WG1090297
4-Methyl-2-pentanone (MIBK)	U		0.00213	0.0113	1	03/28/2018 19:40	WG1090297

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000240	0.00113	1	03/28/2018 19:40	WG1090297
Naphthalene	U		0.00113	0.00566	1	03/28/2018 19:40	WG1090297
n-Propylbenzene	U		0.000233	0.00113	1	03/28/2018 19:40	WG1090297
Styrene	U		0.000265	0.00113	1	03/28/2018 19:40	WG1090297
1,1,1,2-Tetrachloroethane	U		0.000299	0.00113	1	03/28/2018 19:40	WG1090297
1,1,2,2-Tetrachloroethane	U		0.000413	0.00113	1	03/28/2018 19:40	WG1090297
1,1,2-Trichlorotrifluoroethane	U		0.000413	0.00113	1	03/28/2018 19:40	WG1090297
Tetrachloroethene	0.00589		0.000312	0.00113	1	03/29/2018 19:06	WG1090297
Toluene	U		0.000491	0.00566	1	03/28/2018 19:40	WG1090297
1,2,3-Trichlorobenzene	U		0.000346	0.00113	1	03/28/2018 19:40	WG1090297
1,2,4-Trichlorobenzene	U		0.000439	0.00113	1	03/28/2018 19:40	WG1090297
1,1,1-Trichloroethane	U		0.000324	0.00113	1	03/28/2018 19:40	WG1090297
1,1,2-Trichloroethane	U		0.000314	0.00113	1	03/28/2018 19:40	WG1090297
Trichloroethene	U		0.000316	0.00113	1	03/28/2018 19:40	WG1090297
Trichlorofluoromethane	U		0.000432	0.00566	1	03/28/2018 19:40	WG1090297
1,2,3-Trichloropropane	U		0.000839	0.00283	1	03/28/2018 19:40	WG1090297
1,2,4-Trimethylbenzene	U		0.000239	0.00113	1	03/28/2018 19:40	WG1090297
1,2,3-Trimethylbenzene	U		0.000325	0.00113	1	03/28/2018 19:40	WG1090297
1,3,5-Trimethylbenzene	U		0.000301	0.00113	1	03/28/2018 19:40	WG1090297
Vinyl acetate	U		0.00271	0.0113	1	03/28/2018 19:40	WG1090297
Vinyl chloride	U		0.000329	0.00113	1	03/28/2018 19:40	WG1090297
Xylenes, Total	U		0.000790	0.00340	1	03/28/2018 19:40	WG1090297
(S) Toluene-d8	*106*			*80.0-120*		*03/28/2018 19:40*	WG1090297
(S) Toluene-d8	*95.0*			*80.0-120*		*03/29/2018 19:06*	WG1090297
(S) Dibromofluoromethane	*103*			*74.0-131*		*03/29/2018 19:06*	WG1090297
(S) Dibromofluoromethane	*102*			*74.0-131*		*03/28/2018 19:40*	WG1090297
(S) 4-Bromofluorobenzene	*89.1*			*64.0-132*		*03/28/2018 19:40*	WG1090297
(S) 4-Bromofluorobenzene	*93.2*			*64.0-132*		*03/29/2018 19:06*	WG1090297

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	85.6		1	03/30/2018 14:33	WG1091415

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg		Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.0247	J	J	0.0117	0.0584	1	03/29/2018 17:50	WG1091141
Acrylonitrile	U			0.00209	0.0117	1	03/29/2018 17:50	WG1091141
Benzene	0.00101	J	J	0.000315	0.00117	1	03/29/2018 17:50	WG1091141
Bromobenzene	U			0.000332	0.00117	1	03/29/2018 17:50	WG1091141
Bromodichloromethane	U			0.000297	0.00117	1	03/29/2018 17:50	WG1091141
Bromochloromethane	U			0.000455	0.00584	1	03/29/2018 17:50	WG1091141
Bromoform	U			0.000495	0.00117	1	03/29/2018 17:50	WG1091141
Bromomethane	U			0.00156	0.00584	1	03/29/2018 17:50	WG1091141
n-Butylbenzene	U			0.000301	0.00117	1	03/29/2018 17:50	WG1091141
sec-Butylbenzene	U			0.000235	0.00117	1	03/29/2018 17:50	WG1091141
tert-Butylbenzene	U			0.000241	0.00117	1	03/29/2018 17:50	WG1091141
Carbon disulfide	0.000467	J	J	0.000258	0.00117	1	03/29/2018 17:50	WG1091141
Carbon tetrachloride	U			0.000383	0.00117	1	03/29/2018 17:50	WG1091141
Chlorobenzene	U			0.000248	0.00117	1	03/29/2018 17:50	WG1091141
Chlorodibromomethane	U			0.000435	0.00117	1	03/29/2018 17:50	WG1091141
Chloroethane	U			0.00110	0.00584	1	03/29/2018 17:50	WG1091141
Chloroform	U			0.000267	0.00584	1	03/29/2018 17:50	WG1091141
Chloromethane	U			0.000438	0.00292	1	03/29/2018 17:50	WG1091141
2-Chlorotoluene	U			0.000351	0.00117	1	03/29/2018 17:50	WG1091141
4-Chlorotoluene	U			0.000280	0.00117	1	03/29/2018 17:50	WG1091141
1,2-Dibromo-3-Chloropropane	U			0.00123	0.00584	1	03/29/2018 17:50	WG1091141
1,2-Dibromoethane	U			0.000400	0.00117	1	03/29/2018 17:50	WG1091141
Dibromomethane	U			0.000446	0.00117	1	03/29/2018 17:50	WG1091141
1,2-Dichlorobenzene	U			0.000356	0.00117	1	03/29/2018 17:50	WG1091141
1,3-Dichlorobenzene	U			0.000279	0.00117	1	03/29/2018 17:50	WG1091141
1,4-Dichlorobenzene	U			0.000264	0.00117	1	03/29/2018 17:50	WG1091141
Dichlorodifluoromethane	U	UJ	J0	0.000832	0.00584	1	03/29/2018 17:50	WG1091141
1,1-Dichloroethane	U			0.000232	0.00117	1	03/29/2018 17:50	WG1091141
1,2-Dichloroethane	U			0.000309	0.00117	1	03/29/2018 17:50	WG1091141
1,1-Dichloroethene	U			0.000354	0.00117	1	03/29/2018 17:50	WG1091141
cis-1,2-Dichloroethene	0.000585	J	J	0.000274	0.00117	1	03/29/2018 17:50	WG1091141
trans-1,2-Dichloroethene	U			0.000308	0.00117	1	03/29/2018 17:50	WG1091141
1,2-Dichloropropane	U			0.000418	0.00117	1	03/29/2018 17:50	WG1091141
1,1-Dichloropropene	U			0.000370	0.00117	1	03/29/2018 17:50	WG1091141
1,3-Dichloropropane	U			0.000242	0.00117	1	03/29/2018 17:50	WG1091141
cis-1,3-Dichloropropene	U			0.000306	0.00117	1	03/29/2018 17:50	WG1091141
trans-1,3-Dichloropropene	U			0.000312	0.00117	1	03/29/2018 17:50	WG1091141
trans-1,4-Dichloro-2-butene	U			0.000908	0.00292	1	03/29/2018 17:50	WG1091141
2,2-Dichloropropane	U			0.000326	0.00117	1	03/29/2018 17:50	WG1091141
Di-isopropyl ether	U			0.000290	0.00117	1	03/29/2018 17:50	WG1091141
Ethylbenzene	U			0.000347	0.00117	1	03/29/2018 17:50	WG1091141
Hexachloro-1,3-butadiene	U			0.000399	0.00117	1	03/29/2018 17:50	WG1091141
2-Hexanone	U			0.00160	0.0117	1	03/29/2018 17:50	WG1091141
n-Hexane	0.00319	J	J	0.000339	0.0117	1	03/29/2018 17:50	WG1091141
Iodomethane	U			0.00295	0.0117	1	03/29/2018 17:50	WG1091141
Isopropylbenzene	U			0.000284	0.00117	1	03/29/2018 17:50	WG1091141
p-Isopropyltoluene	U			0.000238	0.00117	1	03/29/2018 17:50	WG1091141
2-Butanone (MEK)	U			0.00546	0.0117	1	03/29/2018 17:50	WG1091141
Methylene Chloride	U			0.00117	0.00584	1	03/29/2018 17:50	WG1091141
4-Methyl-2-pentanone (MIBK)	U			0.00220	0.0117	1	03/29/2018 17:50	WG1091141

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000248	0.00117	1	03/29/2018 17:50	WG1091141
Naphthalene	U		0.00117	0.00584	1	03/29/2018 17:50	WG1091141
n-Propylbenzene	U		0.000241	0.00117	1	03/29/2018 17:50	WG1091141
Styrene	U		0.000273	0.00117	1	03/29/2018 17:50	WG1091141
1,1,1,2-Tetrachloroethane	U		0.000308	0.00117	1	03/29/2018 17:50	WG1091141
1,1,2,2-Tetrachloroethane	U		0.000426	0.00117	1	03/29/2018 17:50	WG1091141
1,1,2-Trichlorotrifluoroethane	U		0.000426	0.00117	1	03/29/2018 17:50	WG1091141
Tetrachloroethene	0.0117		0.000322	0.00117	1	03/29/2018 17:50	WG1091141
Toluene	U		0.000507	0.00584	1	03/29/2018 17:50	WG1091141
1,2,3-Trichlorobenzene	U		0.000357	0.00117	1	03/29/2018 17:50	WG1091141
1,2,4-Trichlorobenzene	U		0.000453	0.00117	1	03/29/2018 17:50	WG1091141
1,1,1-Trichloroethane	U		0.000334	0.00117	1	03/29/2018 17:50	WG1091141
1,1,2-Trichloroethane	U		0.000323	0.00117	1	03/29/2018 17:50	WG1091141
Trichloroethene	U		0.000326	0.00117	1	03/29/2018 17:50	WG1091141
Trichlorofluoromethane	U		0.000446	0.00584	1	03/29/2018 17:50	WG1091141
1,2,3-Trichloropropane	U		0.000865	0.00292	1	03/29/2018 17:50	WG1091141
1,2,4-Trimethylbenzene	U		0.000246	0.00117	1	03/29/2018 17:50	WG1091141
1,2,3-Trimethylbenzene	U		0.000335	0.00117	1	03/29/2018 17:50	WG1091141
1,3,5-Trimethylbenzene	U		0.000311	0.00117	1	03/29/2018 17:50	WG1091141
Vinyl acetate	U		0.00279	0.0117	1	03/29/2018 17:50	WG1091141
Vinyl chloride	U		0.000340	0.00117	1	03/29/2018 17:50	WG1091141
Xylenes, Total	U		0.000815	0.00350	1	03/29/2018 17:50	WG1091141
(S) Toluene-d8	*101*			*80.0-120*		*03/29/2018 17:50*	WG1091141
(S) Dibromofluoromethane	*104*			*74.0-131*		*03/29/2018 17:50*	WG1091141
(S) 4-Bromofluorobenzene	*105*			*64.0-132*		*03/29/2018 17:50*	WG1091141

IW-48B-20
Collected date/time: 03/23/18 09:41

SAMPLE RESULTS - 04

L980300

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	90.9		1	03/30/2018 14:33	WG1091415

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg		Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U	UJ	J0	0.0110	0.0550	1	03/29/2018 20:04	WG1090697
Acrylonitrile	U	UJ	J0	0.00197	0.0110	1	03/29/2018 20:04	WG1090697
Benzene	U			0.000297	0.00110	1	03/29/2018 20:04	WG1090697
Bromobenzene	U			0.000312	0.00110	1	03/29/2018 20:04	WG1090697
Bromodichloromethane	U			0.000279	0.00110	1	03/29/2018 20:04	WG1090697
Bromochloromethane	U			0.000429	0.00550	1	03/29/2018 20:04	WG1090697
Bromoform	U			0.000467	0.00110	1	03/29/2018 20:04	WG1090697
Bromomethane	U			0.00147	0.00550	1	03/29/2018 20:04	WG1090697
n-Butylbenzene	U			0.000284	0.00110	1	03/29/2018 20:04	WG1090697
sec-Butylbenzene	U			0.000221	0.00110	1	03/29/2018 20:04	WG1090697
tert-Butylbenzene	U			0.000227	0.00110	1	03/29/2018 20:04	WG1090697
Carbon disulfide	U			0.000243	0.00110	1	03/29/2018 20:04	WG1090697
Carbon tetrachloride	U			0.000361	0.00110	1	03/29/2018 20:04	WG1090697
Chlorobenzene	U			0.000233	0.00110	1	03/29/2018 20:04	WG1090697
Chlorodibromomethane	U			0.000410	0.00110	1	03/29/2018 20:04	WG1090697
Chloroethane	U			0.00104	0.00550	1	03/29/2018 20:04	WG1090697
Chloroform	U			0.000252	0.00550	1	03/29/2018 20:04	WG1090697
Chloromethane	U	UJ	J0	0.000413	0.00275	1	03/29/2018 20:04	WG1090697
2-Chlorotoluene	U			0.000331	0.00110	1	03/29/2018 20:04	WG1090697
4-Chlorotoluene	U			0.000264	0.00110	1	03/29/2018 20:04	WG1090697
1,2-Dibromo-3-Chloropropane	U			0.00116	0.00550	1	03/29/2018 20:04	WG1090697
1,2-Dibromoethane	U			0.000377	0.00110	1	03/29/2018 20:04	WG1090697
Dibromomethane	U			0.000420	0.00110	1	03/29/2018 20:04	WG1090697
1,2-Dichlorobenzene	U			0.000336	0.00110	1	03/29/2018 20:04	WG1090697
1,3-Dichlorobenzene	U			0.000263	0.00110	1	03/29/2018 20:04	WG1090697
1,4-Dichlorobenzene	U			0.000249	0.00110	1	03/29/2018 20:04	WG1090697
Dichlorodifluoromethane	U	UJ	J0	0.000785	0.00550	1	03/29/2018 20:04	WG1090697
1,1-Dichloroethane	U			0.000219	0.00110	1	03/29/2018 20:04	WG1090697
1,2-Dichloroethane	U			0.000292	0.00110	1	03/29/2018 20:04	WG1090697
1,1-Dichloroethene	U			0.000333	0.00110	1	03/29/2018 20:04	WG1090697
cis-1,2-Dichloroethene	0.00149			0.000259	0.00110	1	03/29/2018 20:04	WG1090697
trans-1,2-Dichloroethene	U			0.000290	0.00110	1	03/29/2018 20:04	WG1090697
1,2-Dichloropropane	U			0.000394	0.00110	1	03/29/2018 20:04	WG1090697
1,1-Dichloropropene	U			0.000349	0.00110	1	03/29/2018 20:04	WG1090697
1,3-Dichloropropane	U			0.000228	0.00110	1	03/29/2018 20:04	WG1090697
cis-1,3-Dichloropropene	U			0.000288	0.00110	1	03/29/2018 20:04	WG1090697
trans-1,3-Dichloropropene	U			0.000294	0.00110	1	03/29/2018 20:04	WG1090697
trans-1,4-Dichloro-2-butene	U			0.000856	0.00275	1	03/29/2018 20:04	WG1090697
2,2-Dichloropropane	U			0.000307	0.00110	1	03/29/2018 20:04	WG1090697
Di-isopropyl ether	U	UJ	J0	0.000273	0.00110	1	03/29/2018 20:04	WG1090697
Ethylbenzene	U			0.000327	0.00110	1	03/29/2018 20:04	WG1090697
Hexachloro-1,3-butadiene	U			0.000376	0.00110	1	03/29/2018 20:04	WG1090697
2-Hexanone	U	UJ	J0	0.00151	0.0110	1	03/29/2018 20:04	WG1090697
n-Hexane	U	UJ	J0	0.000319	0.0110	1	03/29/2018 20:04	WG1090697
Iodomethane	U			0.00278	0.0110	1	03/29/2018 20:04	WG1090697
Isopropylbenzene	U			0.000267	0.00110	1	03/29/2018 20:04	WG1090697
p-Isopropyltoluene	U			0.000224	0.00110	1	03/29/2018 20:04	WG1090697
2-Butanone (MEK)	U	UJ	J0	0.00515	0.0110	1	03/29/2018 20:04	WG1090697
Methylene Chloride	U			0.00110	0.00550	1	03/29/2018 20:04	WG1090697
4-Methyl-2-pentanone (MIBK)	U	UJ	J0	0.00207	0.0110	1	03/29/2018 20:04	WG1090697

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000233	0.00110	1	03/29/2018 20:04	WG1090697
Naphthalene	U		0.00110	0.00550	1	03/29/2018 20:04	WG1090697
n-Propylbenzene	U		0.000227	0.00110	1	03/29/2018 20:04	WG1090697
Styrene	U		0.000257	0.00110	1	03/29/2018 20:04	WG1090697
1,1,1,2-Tetrachloroethane	U		0.000290	0.00110	1	03/29/2018 20:04	WG1090697
1,1,2,2-Tetrachloroethane	U		0.000402	0.00110	1	03/29/2018 20:04	WG1090697
1,1,2-Trichlorotrifluoroethane	U		0.000402	0.00110	1	03/29/2018 20:04	WG1090697
Tetrachloroethene	0.0775		0.000304	0.00110	1	03/29/2018 20:04	WG1090697
Toluene	U		0.000478	0.00550	1	03/29/2018 20:04	WG1090697
1,2,3-Trichlorobenzene	U		0.000337	0.00110	1	03/29/2018 20:04	WG1090697
1,2,4-Trichlorobenzene	U		0.000427	0.00110	1	03/29/2018 20:04	WG1090697
1,1,1-Trichloroethane	U		0.000315	0.00110	1	03/29/2018 20:04	WG1090697
1,1,2-Trichloroethane	U		0.000305	0.00110	1	03/29/2018 20:04	WG1090697
Trichloroethene	0.00543		0.000307	0.00110	1	03/29/2018 20:04	WG1090697
Trichlorofluoromethane	U		0.000420	0.00550	1	03/29/2018 20:04	WG1090697
1,2,3-Trichloropropane	U		0.000815	0.00275	1	03/29/2018 20:04	WG1090697
1,2,4-Trimethylbenzene	U		0.000232	0.00110	1	03/29/2018 20:04	WG1090697
1,2,3-Trimethylbenzene	U		0.000316	0.00110	1	03/29/2018 20:04	WG1090697
1,3,5-Trimethylbenzene	U		0.000293	0.00110	1	03/29/2018 20:04	WG1090697
Vinyl acetate	U		0.00263	0.0110	1	03/29/2018 20:04	WG1090697
Vinyl chloride	U		0.000320	0.00110	1	03/29/2018 20:04	WG1090697
Xylenes, Total	U		0.000768	0.00330	1	03/29/2018 20:04	WG1090697
(S) Toluene-d8	*95.7*			*80.0-120*		*03/29/2018 20:04*	WG1090697
(S) Dibromofluoromethane	*104*			*74.0-131*		*03/29/2018 20:04*	WG1090697
(S) 4-Bromofluorobenzene	*90.4*			*64.0-132*		*03/29/2018 20:04*	WG1090697

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	88.8		1	03/30/2018 14:33	WG1091415

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg		Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U	UJ	J0	0.0113	0.0563	1	03/30/2018 13:49	WG1091540
Acrylonitrile	U			0.00202	0.0113	1	03/30/2018 13:49	WG1091540
Benzene	U			0.000304	0.00113	1	03/30/2018 13:49	WG1091540
Bromobenzene	U			0.000320	0.00113	1	03/30/2018 13:49	WG1091540
Bromodichloromethane	U	UJ	J0	0.000286	0.00113	1	03/30/2018 13:49	WG1091540
Bromochloromethane	U			0.000439	0.00563	1	03/30/2018 13:49	WG1091540
Bromoform	U			0.000477	0.00113	1	03/30/2018 13:49	WG1091540
Bromomethane	U			0.00151	0.00563	1	03/30/2018 13:49	WG1091540
n-Butylbenzene	U			0.000290	0.00113	1	03/30/2018 13:49	WG1091540
sec-Butylbenzene	U			0.000226	0.00113	1	03/30/2018 13:49	WG1091540
tert-Butylbenzene	U			0.000232	0.00113	1	03/30/2018 13:49	WG1091540
Carbon disulfide	0.000616	J	J	0.000249	0.00113	1	03/30/2018 13:49	WG1091540
Carbon tetrachloride	U			0.000369	0.00113	1	03/30/2018 13:49	WG1091540
Chlorobenzene	U			0.000239	0.00113	1	03/30/2018 13:49	WG1091540
Chlorodibromomethane	U	UJ	J0	0.000420	0.00113	1	03/30/2018 13:49	WG1091540
Chloroethane	U			0.00107	0.00563	1	03/30/2018 13:49	WG1091540
Chloroform	U			0.000258	0.00563	1	03/30/2018 13:49	WG1091540
Chloromethane	U			0.000422	0.00281	1	03/30/2018 13:49	WG1091540
2-Chlorotoluene	U			0.000339	0.00113	1	03/30/2018 13:49	WG1091540
4-Chlorotoluene	U			0.000270	0.00113	1	03/30/2018 13:49	WG1091540
1,2-Dibromo-3-Chloropropane	U	UJ	J0	0.00118	0.00563	1	03/30/2018 13:49	WG1091540
1,2-Dibromoethane	U	UJ	J0	0.000386	0.00113	1	03/30/2018 13:49	WG1091540
Dibromomethane	U			0.000430	0.00113	1	03/30/2018 13:49	WG1091540
1,2-Dichlorobenzene	U			0.000343	0.00113	1	03/30/2018 13:49	WG1091540
1,3-Dichlorobenzene	U			0.000269	0.00113	1	03/30/2018 13:49	WG1091540
1,4-Dichlorobenzene	U			0.000254	0.00113	1	03/30/2018 13:49	WG1091540
Dichlorodifluoromethane	U			0.000803	0.00563	1	03/30/2018 13:49	WG1091540
1,1-Dichloroethane	U			0.000224	0.00113	1	03/30/2018 13:49	WG1091540
1,2-Dichloroethane	U			0.000298	0.00113	1	03/30/2018 13:49	WG1091540
1,1-Dichloroethene	U			0.000341	0.00113	1	03/30/2018 13:49	WG1091540
cis-1,2-Dichloroethene	0.00777			0.000265	0.00113	1	03/30/2018 13:49	WG1091540
trans-1,2-Dichloroethene	U			0.000297	0.00113	1	03/30/2018 13:49	WG1091540
1,2-Dichloropropane	U			0.000403	0.00113	1	03/30/2018 13:49	WG1091540
1,1-Dichloropropene	U			0.000357	0.00113	1	03/30/2018 13:49	WG1091540
1,3-Dichloropropane	U			0.000233	0.00113	1	03/30/2018 13:49	WG1091540
cis-1,3-Dichloropropene	U			0.000295	0.00113	1	03/30/2018 13:49	WG1091540
trans-1,3-Dichloropropene	U			0.000301	0.00113	1	03/30/2018 13:49	WG1091540
trans-1,4-Dichloro-2-butene	U	UJ	J0	0.000876	0.00281	1	03/30/2018 13:49	WG1091540
2,2-Dichloropropane	U			0.000314	0.00113	1	03/30/2018 13:49	WG1091540
Di-isopropyl ether	U			0.000279	0.00113	1	03/30/2018 13:49	WG1091540
Ethylbenzene	U			0.000334	0.00113	1	03/30/2018 13:49	WG1091540
Hexachloro-1,3-butadiene	U			0.000385	0.00113	1	03/30/2018 13:49	WG1091540
2-Hexanone	U	UJ	J0	0.00154	0.0113	1	03/30/2018 13:49	WG1091540
n-Hexane	U			0.000327	0.0113	1	03/30/2018 13:49	WG1091540
Iodomethane	U			0.00285	0.0113	1	03/30/2018 13:49	WG1091540
Isopropylbenzene	U			0.000274	0.00113	1	03/30/2018 13:49	WG1091540
p-Isopropyltoluene	U			0.000230	0.00113	1	03/30/2018 13:49	WG1091540
2-Butanone (MEK)	U			0.00527	0.0113	1	03/30/2018 13:49	WG1091540
Methylene Chloride	U			0.00113	0.00563	1	03/30/2018 13:49	WG1091540
4-Methyl-2-pentanone (MIBK)	U			0.00212	0.0113	1	03/30/2018 13:49	WG1091540

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000239	0.00113	1	03/30/2018 13:49	WG1091540
Naphthalene	U		0.00113	0.00563	1	03/30/2018 13:49	WG1091540
n-Propylbenzene	U		0.000232	0.00113	1	03/30/2018 13:49	WG1091540
Styrene	U		0.000263	0.00113	1	03/30/2018 13:49	WG1091540
1,1,1,2-Tetrachloroethane	U		0.000297	0.00113	1	03/30/2018 13:49	WG1091540
1,1,2,2-Tetrachloroethane	U		0.000411	0.00113	1	03/30/2018 13:49	WG1091540
1,1,2-Trichlorotrifluoroethane	U	J4	0.000411	0.00113	1	03/30/2018 13:49	WG1091540
Tetrachloroethene	0.924		0.0155	0.0563	50	04/01/2018 16:26	WG1091540
Toluene	U		0.000489	0.00563	1	03/30/2018 13:49	WG1091540
1,2,3-Trichlorobenzene	U		0.000345	0.00113	1	03/30/2018 13:49	WG1091540
1,2,4-Trichlorobenzene	U		0.000437	0.00113	1	03/30/2018 13:49	WG1091540
1,1,1-Trichloroethane	U		0.000322	0.00113	1	03/30/2018 13:49	WG1091540
1,1,2-Trichloroethane	U UJ	J0	0.000312	0.00113	1	03/30/2018 13:49	WG1091540
Trichloroethene	0.0104		0.000314	0.00113	1	03/30/2018 13:49	WG1091540
Trichlorofluoromethane	U	J4	0.000430	0.00563	1	03/30/2018 13:49	WG1091540
1,2,3-Trichloropropane	U		0.000834	0.00281	1	03/30/2018 13:49	WG1091540
1,2,4-Trimethylbenzene	U		0.000238	0.00113	1	03/30/2018 13:49	WG1091540
1,2,3-Trimethylbenzene	U		0.000323	0.00113	1	03/30/2018 13:49	WG1091540
1,3,5-Trimethylbenzene	U		0.000300	0.00113	1	03/30/2018 13:49	WG1091540
Vinyl acetate	U	J4	0.00269	0.0113	1	03/30/2018 13:49	WG1091540
Vinyl chloride	U		0.000328	0.00113	1	03/30/2018 13:49	WG1091540
Xylenes, Total	U		0.000786	0.00338	1	03/30/2018 13:49	WG1091540
(S) Toluene-d8	*101*			*80.0-120*		*03/30/2018 13:49*	WG1091540
(S) Toluene-d8	*113*			*80.0-120*		*04/01/2018 16:26*	WG1091540
(S) Dibromofluoromethane	*111*			*74.0-131*		*03/30/2018 13:49*	WG1091540
(S) Dibromofluoromethane	*94.7*			*74.0-131*		*04/01/2018 16:26*	WG1091540
(S) 4-Bromofluorobenzene	*88.9*			*64.0-132*		*04/01/2018 16:26*	WG1091540
(S) 4-Bromofluorobenzene	*111*			*64.0-132*		*03/30/2018 13:49*	WG1091540

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	90.7		1	03/30/2018 14:33	WG1091415

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U UJ	J0	0.0110	0.0551	1	03/30/2018 14:10	WG1091540
Acrylonitrile	U		0.00197	0.0110	1	03/30/2018 14:10	WG1091540
Benzene	U		0.000298	0.00110	1	03/30/2018 14:10	WG1091540
Bromobenzene	U		0.000313	0.00110	1	03/30/2018 14:10	WG1091540
Bromodichloromethane	U UJ	J0	0.000280	0.00110	1	03/30/2018 14:10	WG1091540
Bromochloromethane	U		0.000430	0.00551	1	03/30/2018 14:10	WG1091540
Bromoform	U		0.000467	0.00110	1	03/30/2018 14:10	WG1091540
Bromomethane	U		0.00148	0.00551	1	03/30/2018 14:10	WG1091540
n-Butylbenzene	U		0.000284	0.00110	1	03/30/2018 14:10	WG1091540
sec-Butylbenzene	U		0.000222	0.00110	1	03/30/2018 14:10	WG1091540
tert-Butylbenzene	U		0.000227	0.00110	1	03/30/2018 14:10	WG1091540
Carbon disulfide	0.000291	J	0.000244	0.00110	1	03/30/2018 14:10	WG1091540
Carbon tetrachloride	U		0.000362	0.00110	1	03/30/2018 14:10	WG1091540
Chlorobenzene	U		0.000234	0.00110	1	03/30/2018 14:10	WG1091540
Chlorodibromomethane	U UJ	J0	0.000411	0.00110	1	03/30/2018 14:10	WG1091540
Chloroethane	U		0.00104	0.00551	1	03/30/2018 14:10	WG1091540
Chloroform	U		0.000252	0.00551	1	03/30/2018 14:10	WG1091540
Chloromethane	U		0.000413	0.00276	1	03/30/2018 14:10	WG1091540
2-Chlorotoluene	U		0.000332	0.00110	1	03/30/2018 14:10	WG1091540
4-Chlorotoluene	U		0.000265	0.00110	1	03/30/2018 14:10	WG1091540
1,2-Dibromo-3-Chloropropane	U UJ	J0	0.00116	0.00551	1	03/30/2018 14:10	WG1091540
1,2-Dibromoethane	U UJ	J0	0.000378	0.00110	1	03/30/2018 14:10	WG1091540
Dibromomethane	U		0.000421	0.00110	1	03/30/2018 14:10	WG1091540
1,2-Dichlorobenzene	U		0.000336	0.00110	1	03/30/2018 14:10	WG1091540
1,3-Dichlorobenzene	U		0.000263	0.00110	1	03/30/2018 14:10	WG1091540
1,4-Dichlorobenzene	U		0.000249	0.00110	1	03/30/2018 14:10	WG1091540
Dichlorodifluoromethane	U		0.000786	0.00551	1	03/30/2018 14:10	WG1091540
1,1-Dichloroethane	U		0.000219	0.00110	1	03/30/2018 14:10	WG1091540
1,2-Dichloroethane	U		0.000292	0.00110	1	03/30/2018 14:10	WG1091540
1,1-Dichloroethene	U		0.000334	0.00110	1	03/30/2018 14:10	WG1091540
cis-1,2-Dichloroethene	0.00569		0.000259	0.00110	1	03/30/2018 14:10	WG1091540
trans-1,2-Dichloroethene	U		0.000291	0.00110	1	03/30/2018 14:10	WG1091540
1,2-Dichloropropane	U		0.000395	0.00110	1	03/30/2018 14:10	WG1091540
1,1-Dichloropropene	U		0.000349	0.00110	1	03/30/2018 14:10	WG1091540
1,3-Dichloropropane	U		0.000228	0.00110	1	03/30/2018 14:10	WG1091540
cis-1,3-Dichloropropene	U		0.000289	0.00110	1	03/30/2018 14:10	WG1091540
trans-1,3-Dichloropropene	U		0.000294	0.00110	1	03/30/2018 14:10	WG1091540
trans-1,4-Dichloro-2-butene	U UJ	J0	0.000858	0.00276	1	03/30/2018 14:10	WG1091540
2,2-Dichloropropane	U		0.000308	0.00110	1	03/30/2018 14:10	WG1091540
Di-isopropyl ether	U		0.000273	0.00110	1	03/30/2018 14:10	WG1091540
Ethylbenzene	U		0.000327	0.00110	1	03/30/2018 14:10	WG1091540
Hexachloro-1,3-butadiene	U		0.000377	0.00110	1	03/30/2018 14:10	WG1091540
2-Hexanone	U UJ	J0	0.00151	0.0110	1	03/30/2018 14:10	WG1091540
n-Hexane	U		0.000320	0.0110	1	03/30/2018 14:10	WG1091540
Iodomethane	U		0.00279	0.0110	1	03/30/2018 14:10	WG1091540
Isopropylbenzene	U		0.000268	0.00110	1	03/30/2018 14:10	WG1091540
p-Isopropyltoluene	U		0.000225	0.00110	1	03/30/2018 14:10	WG1091540
2-Butanone (MEK)	U		0.00516	0.0110	1	03/30/2018 14:10	WG1091540
Methylene Chloride	U		0.00110	0.00551	1	03/30/2018 14:10	WG1091540
4-Methyl-2-pentanone (MIBK)	U		0.00207	0.0110	1	03/30/2018 14:10	WG1091540

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000234	0.00110	1	03/30/2018 14:10	WG1091540
Naphthalene	U		0.00110	0.00551	1	03/30/2018 14:10	WG1091540
n-Propylbenzene	U		0.000227	0.00110	1	03/30/2018 14:10	WG1091540
Styrene	U		0.000258	0.00110	1	03/30/2018 14:10	WG1091540
1,1,1,2-Tetrachloroethane	U		0.000291	0.00110	1	03/30/2018 14:10	WG1091540
1,1,2,2-Tetrachloroethane	U		0.000402	0.00110	1	03/30/2018 14:10	WG1091540
1,1,2-Trichlorotrifluoroethane	U	J4	0.000402	0.00110	1	03/30/2018 14:10	WG1091540
Tetrachloroethene	0.127	UJ J0	0.000304	0.00110	1	03/30/2018 14:10	WG1091540
Toluene	U		0.000478	0.00551	1	03/30/2018 14:10	WG1091540
1,2,3-Trichlorobenzene	U		0.000337	0.00110	1	03/30/2018 14:10	WG1091540
1,2,4-Trichlorobenzene	U		0.000428	0.00110	1	03/30/2018 14:10	WG1091540
1,1,1-Trichloroethane	U		0.000315	0.00110	1	03/30/2018 14:10	WG1091540
1,1,2-Trichloroethane	U	UJ J0	0.000305	0.00110	1	03/30/2018 14:10	WG1091540
Trichloroethene	0.00751		0.000308	0.00110	1	03/30/2018 14:10	WG1091540
Trichlorofluoromethane	U	J4	0.000421	0.00551	1	03/30/2018 14:10	WG1091540
1,2,3-Trichloropropane	U		0.000817	0.00276	1	03/30/2018 14:10	WG1091540
1,2,4-Trimethylbenzene	U		0.000233	0.00110	1	03/30/2018 14:10	WG1091540
1,2,3-Trimethylbenzene	U		0.000316	0.00110	1	03/30/2018 14:10	WG1091540
1,3,5-Trimethylbenzene	U		0.000293	0.00110	1	03/30/2018 14:10	WG1091540
Vinyl acetate	U	J4	0.00263	0.0110	1	03/30/2018 14:10	WG1091540
Vinyl chloride	U		0.000321	0.00110	1	03/30/2018 14:10	WG1091540
Xylenes, Total	U		0.000769	0.00331	1	03/30/2018 14:10	WG1091540
(S) Toluene-d8	*101*			*80.0-120*		*03/30/2018 14:10*	WG1091540
(S) Dibromofluoromethane	*115*			*74.0-131*		*03/30/2018 14:10*	WG1091540
(S) 4-Bromofluorobenzene	*109*			*64.0-132*		*03/30/2018 14:10*	WG1091540

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	86.9		1	03/30/2018 14:01	WG1091416

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U	UJ J0	0.0115	0.0575	1	03/30/2018 14:39	WG1091540
Acrylonitrile	U		0.00206	0.0115	1	03/30/2018 14:39	WG1091540
Benzene	U		0.000311	0.00115	1	03/30/2018 14:39	WG1091540
Bromobenzene	U		0.000327	0.00115	1	03/30/2018 14:39	WG1091540
Bromodichloromethane	U	UJ J0	0.000292	0.00115	1	03/30/2018 14:39	WG1091540
Bromochloromethane	U		0.000449	0.00575	1	03/30/2018 14:39	WG1091540
Bromoform	U		0.000488	0.00115	1	03/30/2018 14:39	WG1091540
Bromomethane	U		0.00154	0.00575	1	03/30/2018 14:39	WG1091540
n-Butylbenzene	U		0.000297	0.00115	1	03/30/2018 14:39	WG1091540
sec-Butylbenzene	U		0.000231	0.00115	1	03/30/2018 14:39	WG1091540
tert-Butylbenzene	U		0.000237	0.00115	1	03/30/2018 14:39	WG1091540
Carbon disulfide	0.00108	J	0.000254	0.00115	1	03/30/2018 14:39	WG1091540
Carbon tetrachloride	U		0.000377	0.00115	1	03/30/2018 14:39	WG1091540
Chlorobenzene	U		0.000244	0.00115	1	03/30/2018 14:39	WG1091540
Chlorodibromomethane	U	UJ J0	0.000429	0.00115	1	03/30/2018 14:39	WG1091540
Chloroethane	U		0.00109	0.00575	1	03/30/2018 14:39	WG1091540
Chloroform	U		0.000263	0.00575	1	03/30/2018 14:39	WG1091540
Chloromethane	U		0.000431	0.00288	1	03/30/2018 14:39	WG1091540
2-Chlorotoluene	U		0.000346	0.00115	1	03/30/2018 14:39	WG1091540
4-Chlorotoluene	U		0.000276	0.00115	1	03/30/2018 14:39	WG1091540
1,2-Dibromo-3-Chloropropane	U	UJ J0	0.00121	0.00575	1	03/30/2018 14:39	WG1091540
1,2-Dibromoethane	U	UJ J0	0.000395	0.00115	1	03/30/2018 14:39	WG1091540
Dibromomethane	U		0.000440	0.00115	1	03/30/2018 14:39	WG1091540
1,2-Dichlorobenzene	U		0.000351	0.00115	1	03/30/2018 14:39	WG1091540
1,3-Dichlorobenzene	U		0.000275	0.00115	1	03/30/2018 14:39	WG1091540
1,4-Dichlorobenzene	U		0.000260	0.00115	1	03/30/2018 14:39	WG1091540
Dichlorodifluoromethane	U		0.000820	0.00575	1	03/30/2018 14:39	WG1091540
1,1-Dichloroethane	U		0.000229	0.00115	1	03/30/2018 14:39	WG1091540
1,2-Dichloroethane	U		0.000305	0.00115	1	03/30/2018 14:39	WG1091540
1,1-Dichloroethene	0.000718	J J	0.000349	0.00115	1	03/30/2018 14:39	WG1091540
cis-1,2-Dichloroethene	0.0901		0.000270	0.00115	1	03/30/2018 14:39	WG1091540
trans-1,2-Dichloroethene	0.000991	J J	0.000304	0.00115	1	03/30/2018 14:39	WG1091540
1,2-Dichloropropane	U		0.000412	0.00115	1	03/30/2018 14:39	WG1091540
1,1-Dichloropropene	U		0.000365	0.00115	1	03/30/2018 14:39	WG1091540
1,3-Dichloropropane	U		0.000238	0.00115	1	03/30/2018 14:39	WG1091540
cis-1,3-Dichloropropene	U		0.000301	0.00115	1	03/30/2018 14:39	WG1091540
trans-1,3-Dichloropropene	U		0.000307	0.00115	1	03/30/2018 14:39	WG1091540
trans-1,4-Dichloro-2-butene	U	UJ J0	0.000895	0.00288	1	03/30/2018 14:39	WG1091540
2,2-Dichloropropane	U		0.000321	0.00115	1	03/30/2018 14:39	WG1091540
Di-isopropyl ether	U		0.000285	0.00115	1	03/30/2018 14:39	WG1091540
Ethylbenzene	U		0.000342	0.00115	1	03/30/2018 14:39	WG1091540
Hexachloro-1,3-butadiene	U		0.000393	0.00115	1	03/30/2018 14:39	WG1091540
2-Hexanone	U	UJ J0	0.00158	0.0115	1	03/30/2018 14:39	WG1091540
n-Hexane	U		0.000334	0.0115	1	03/30/2018 14:39	WG1091540
Iodomethane	U		0.00291	0.0115	1	03/30/2018 14:39	WG1091540
Isopropylbenzene	U		0.000280	0.00115	1	03/30/2018 14:39	WG1091540
p-Isopropyltoluene	U		0.000235	0.00115	1	03/30/2018 14:39	WG1091540
2-Butanone (MEK)	U		0.00538	0.0115	1	03/30/2018 14:39	WG1091540
Methylene Chloride	U		0.00115	0.00575	1	03/30/2018 14:39	WG1091540
4-Methyl-2-pentanone (MIBK)	U		0.00216	0.0115	1	03/30/2018 14:39	WG1091540

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000244	0.00115	1	03/30/2018 14:39	WG1091540
Naphthalene	U		0.00115	0.00575	1	03/30/2018 14:39	WG1091540
n-Propylbenzene	U		0.000237	0.00115	1	03/30/2018 14:39	WG1091540
Styrene	U		0.000269	0.00115	1	03/30/2018 14:39	WG1091540
1,1,1,2-Tetrachloroethane	U		0.000304	0.00115	1	03/30/2018 14:39	WG1091540
1,1,2,2-Tetrachloroethane	U		0.000420	0.00115	1	03/30/2018 14:39	WG1091540
1,1,2-Trichlorotrifluoroethane	U	J4	0.000420	0.00115	1	03/30/2018 14:39	WG1091540
Tetrachloroethene	0.00825	UJ J0	0.000318	0.00115	1	03/30/2018 14:39	WG1091540
Toluene	U		0.000499	0.00575	1	03/30/2018 14:39	WG1091540
1,2,3-Trichlorobenzene	U		0.000352	0.00115	1	03/30/2018 14:39	WG1091540
1,2,4-Trichlorobenzene	U		0.000446	0.00115	1	03/30/2018 14:39	WG1091540
1,1,1-Trichloroethane	U		0.000329	0.00115	1	03/30/2018 14:39	WG1091540
1,1,2-Trichloroethane	U	UJ J0	0.000319	0.00115	1	03/30/2018 14:39	WG1091540
Trichloroethene	0.00215		0.000321	0.00115	1	03/30/2018 14:39	WG1091540
Trichlorofluoromethane	U	J4	0.000440	0.00575	1	03/30/2018 14:39	WG1091540
1,2,3-Trichloropropane	U		0.000853	0.00288	1	03/30/2018 14:39	WG1091540
1,2,4-Trimethylbenzene	U		0.000243	0.00115	1	03/30/2018 14:39	WG1091540
1,2,3-Trimethylbenzene	U		0.000330	0.00115	1	03/30/2018 14:39	WG1091540
1,3,5-Trimethylbenzene	U		0.000306	0.00115	1	03/30/2018 14:39	WG1091540
Vinyl acetate	U	J4	0.00275	0.0115	1	03/30/2018 14:39	WG1091540
Vinyl chloride	U		0.000335	0.00115	1	03/30/2018 14:39	WG1091540
Xylenes, Total	U		0.000803	0.00345	1	03/30/2018 14:39	WG1091540
(S) Toluene-d8	*103*			*80.0-120*		*03/30/2018 14:39*	WG1091540
(S) Dibromofluoromethane	*117*			*74.0-131*		*03/30/2018 14:39*	WG1091540
(S) 4-Bromofluorobenzene	*107*			*64.0-132*		*03/30/2018 14:39*	WG1091540

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	91.6		1	03/30/2018 14:01	WG1091416

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U	UJ J0	0.0109	0.0546	1	03/30/2018 15:00	WG1091540
Acrylonitrile	U		0.00195	0.0109	1	03/30/2018 15:00	WG1091540
Benzene	U		0.000295	0.00109	1	03/30/2018 15:00	WG1091540
Bromobenzene	U		0.000310	0.00109	1	03/30/2018 15:00	WG1091540
Bromodichloromethane	U	UJ J0	0.000277	0.00109	1	03/30/2018 15:00	WG1091540
Bromochloromethane	U		0.000426	0.00546	1	03/30/2018 15:00	WG1091540
Bromoform	U		0.000463	0.00109	1	03/30/2018 15:00	WG1091540
Bromomethane	U		0.00146	0.00546	1	03/30/2018 15:00	WG1091540
n-Butylbenzene	U		0.000282	0.00109	1	03/30/2018 15:00	WG1091540
sec-Butylbenzene	U		0.000219	0.00109	1	03/30/2018 15:00	WG1091540
tert-Butylbenzene	U		0.000225	0.00109	1	03/30/2018 15:00	WG1091540
Carbon disulfide	0.00119		0.000241	0.00109	1	03/30/2018 15:00	WG1091540
Carbon tetrachloride	U		0.000358	0.00109	1	03/30/2018 15:00	WG1091540
Chlorobenzene	U		0.000231	0.00109	1	03/30/2018 15:00	WG1091540
Chlorodibromomethane	U		0.000407	0.00109	1	03/30/2018 15:00	WG1091540
Chloroethane	U		0.00103	0.00546	1	03/30/2018 15:00	WG1091540
Chloroform	U		0.000250	0.00546	1	03/30/2018 15:00	WG1091540
Chloromethane	U		0.000409	0.00273	1	03/30/2018 15:00	WG1091540
2-Chlorotoluene	U		0.000329	0.00109	1	03/30/2018 15:00	WG1091540
4-Chlorotoluene	U		0.000262	0.00109	1	03/30/2018 15:00	WG1091540
1,2-Dibromo-3-Chloropropane	U	UJ J0	0.00115	0.00546	1	03/30/2018 15:00	WG1091540
1,2-Dibromoethane	U	UJ J0	0.000374	0.00109	1	03/30/2018 15:00	WG1091540
Dibromomethane	U		0.000417	0.00109	1	03/30/2018 15:00	WG1091540
1,2-Dichlorobenzene	U		0.000333	0.00109	1	03/30/2018 15:00	WG1091540
1,3-Dichlorobenzene	U		0.000261	0.00109	1	03/30/2018 15:00	WG1091540
1,4-Dichlorobenzene	U		0.000247	0.00109	1	03/30/2018 15:00	WG1091540
Dichlorodifluoromethane	U		0.000778	0.00546	1	03/30/2018 15:00	WG1091540
1,1-Dichloroethane	U		0.000217	0.00109	1	03/30/2018 15:00	WG1091540
1,2-Dichloroethane	U		0.000289	0.00109	1	03/30/2018 15:00	WG1091540
1,1-Dichloroethene	0.000350	J	0.000331	0.00109	1	03/30/2018 15:00	WG1091540
cis-1,2-Dichloroethene	0.0515		0.000256	0.00109	1	03/30/2018 15:00	WG1091540
trans-1,2-Dichloroethene	0.00178		0.000288	0.00109	1	03/30/2018 15:00	WG1091540
1,2-Dichloropropane	U		0.000391	0.00109	1	03/30/2018 15:00	WG1091540
1,1-Dichloropropene	U		0.000346	0.00109	1	03/30/2018 15:00	WG1091540
1,3-Dichloropropane	U		0.000226	0.00109	1	03/30/2018 15:00	WG1091540
cis-1,3-Dichloropropene	U		0.000286	0.00109	1	03/30/2018 15:00	WG1091540
trans-1,3-Dichloropropene	U		0.000291	0.00109	1	03/30/2018 15:00	WG1091540
trans-1,4-Dichloro-2-butene	U	UJ J0	0.000849	0.00273	1	03/30/2018 15:00	WG1091540
2,2-Dichloropropane	U		0.000305	0.00109	1	03/30/2018 15:00	WG1091540
Di-isopropyl ether	U		0.000271	0.00109	1	03/30/2018 15:00	WG1091540
Ethylbenzene	U		0.000324	0.00109	1	03/30/2018 15:00	WG1091540
Hexachloro-1,3-butadiene	U		0.000373	0.00109	1	03/30/2018 15:00	WG1091540
2-Hexanone	U	UJ J0	0.00150	0.0109	1	03/30/2018 15:00	WG1091540
n-Hexane	0.00104	J	0.000317	0.0109	1	03/30/2018 15:00	WG1091540
Iodomethane	U		0.00276	0.0109	1	03/30/2018 15:00	WG1091540
Isopropylbenzene	U		0.000265	0.00109	1	03/30/2018 15:00	WG1091540
p-Isopropyltoluene	U		0.000223	0.00109	1	03/30/2018 15:00	WG1091540
2-Butanone (MEK)	U		0.00511	0.0109	1	03/30/2018 15:00	WG1091540
Methylene Chloride	U		0.00109	0.00546	1	03/30/2018 15:00	WG1091540
4-Methyl-2-pentanone (MIBK)	U		0.00205	0.0109	1	03/30/2018 15:00	WG1091540

Volatile Organic Compounds (GC/MS) by Method 8260C

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg		date / time	
Methyl tert-butyl ether	U		0.000231	0.00109	1	03/30/2018 15:00	WG1091540
Naphthalene	U		0.00109	0.00546	1	03/30/2018 15:00	WG1091540
n-Propylbenzene	U		0.000225	0.00109	1	03/30/2018 15:00	WG1091540
Styrene	U		0.000255	0.00109	1	03/30/2018 15:00	WG1091540
1,1,1,2-Tetrachloroethane	U		0.000288	0.00109	1	03/30/2018 15:00	WG1091540
1,1,2,2-Tetrachloroethane	U		0.000398	0.00109	1	03/30/2018 15:00	WG1091540
1,1,2-Trichlorotrifluoroethane	U	J4	0.000398	0.00109	1	03/30/2018 15:00	WG1091540
Tetrachloroethene	0.0129 J	J0	0.000301	0.00109	1	03/30/2018 15:00	WG1091540
Toluene	U		0.000474	0.00546	1	03/30/2018 15:00	WG1091540
1,2,3-Trichlorobenzene	U		0.000334	0.00109	1	03/30/2018 15:00	WG1091540
1,2,4-Trichlorobenzene	U		0.000423	0.00109	1	03/30/2018 15:00	WG1091540
1,1,1-Trichloroethane	U		0.000312	0.00109	1	03/30/2018 15:00	WG1091540
1,1,2-Trichloroethane	U UJ	J0	0.000302	0.00109	1	03/30/2018 15:00	WG1091540
Trichloroethene	0.00267		0.000305	0.00109	1	03/30/2018 15:00	WG1091540
Trichlorofluoromethane	U	J4	0.000417	0.00546	1	03/30/2018 15:00	WG1091540
1,2,3-Trichloropropane	U		0.000809	0.00273	1	03/30/2018 15:00	WG1091540
1,2,4-Trimethylbenzene	U		0.000230	0.00109	1	03/30/2018 15:00	WG1091540
1,2,3-Trimethylbenzene	U		0.000313	0.00109	1	03/30/2018 15:00	WG1091540
1,3,5-Trimethylbenzene	U		0.000290	0.00109	1	03/30/2018 15:00	WG1091540
Vinyl acetate	U	J4	0.00261	0.0109	1	03/30/2018 15:00	WG1091540
Vinyl chloride	U		0.000318	0.00109	1	03/30/2018 15:00	WG1091540
Xylenes, Total	U		0.000762	0.00327	1	03/30/2018 15:00	WG1091540
(S) Toluene-d8	*105*			*80.0-120*		*03/30/2018 15:00*	WG1091540
(S) Dibromofluoromethane	*114*			*74.0-131*		*03/30/2018 15:00*	WG1091540
(S) 4-Bromofluorobenzene	*112*			*64.0-132*		*03/30/2018 15:00*	WG1091540

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	90.7		1	03/30/2018 14:01	WG1091416

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U UJ	J0	0.0110	0.0551	1	03/30/2018 15:21	WG1091540
Acrylonitrile	U		0.00197	0.0110	1	03/30/2018 15:21	WG1091540
Benzene	U		0.000298	0.00110	1	03/30/2018 15:21	WG1091540
Bromobenzene	U		0.000313	0.00110	1	03/30/2018 15:21	WG1091540
Bromodichloromethane	U UJ	J0	0.000280	0.00110	1	03/30/2018 15:21	WG1091540
Bromochloromethane	U		0.000430	0.00551	1	03/30/2018 15:21	WG1091540
Bromoform	U		0.000467	0.00110	1	03/30/2018 15:21	WG1091540
Bromomethane	U		0.00148	0.00551	1	03/30/2018 15:21	WG1091540
n-Butylbenzene	U		0.000284	0.00110	1	03/30/2018 15:21	WG1091540
sec-Butylbenzene	U		0.000222	0.00110	1	03/30/2018 15:21	WG1091540
tert-Butylbenzene	U		0.000227	0.00110	1	03/30/2018 15:21	WG1091540
Carbon disulfide	0.00100	J	0.000244	0.00110	1	03/30/2018 15:21	WG1091540
Carbon tetrachloride	U		0.000361	0.00110	1	03/30/2018 15:21	WG1091540
Chlorobenzene	U		0.000234	0.00110	1	03/30/2018 15:21	WG1091540
Chlorodibromomethane	U		0.000411	0.00110	1	03/30/2018 15:21	WG1091540
Chloroethane	U		0.00104	0.00551	1	03/30/2018 15:21	WG1091540
Chloroform	U		0.000252	0.00551	1	03/30/2018 15:21	WG1091540
Chloromethane	U		0.000413	0.00276	1	03/30/2018 15:21	WG1091540
2-Chlorotoluene	U		0.000332	0.00110	1	03/30/2018 15:21	WG1091540
4-Chlorotoluene	U		0.000265	0.00110	1	03/30/2018 15:21	WG1091540
1,2-Dibromo-3-Chloropropane	U UJ	J0	0.00116	0.00551	1	03/30/2018 15:21	WG1091540
1,2-Dibromoethane	U UJ	J0	0.000378	0.00110	1	03/30/2018 15:21	WG1091540
Dibromomethane	U		0.000421	0.00110	1	03/30/2018 15:21	WG1091540
1,2-Dichlorobenzene	U		0.000336	0.00110	1	03/30/2018 15:21	WG1091540
1,3-Dichlorobenzene	U		0.000263	0.00110	1	03/30/2018 15:21	WG1091540
1,4-Dichlorobenzene	U		0.000249	0.00110	1	03/30/2018 15:21	WG1091540
Dichlorodifluoromethane	U		0.000786	0.00551	1	03/30/2018 15:21	WG1091540
1,1-Dichloroethane	U		0.000219	0.00110	1	03/30/2018 15:21	WG1091540
1,2-Dichloroethane	U		0.000292	0.00110	1	03/30/2018 15:21	WG1091540
1,1-Dichloroethene	U		0.000334	0.00110	1	03/30/2018 15:21	WG1091540
cis-1,2-Dichloroethene	0.0110		0.000259	0.00110	1	03/30/2018 15:21	WG1091540
trans-1,2-Dichloroethene	U		0.000291	0.00110	1	03/30/2018 15:21	WG1091540
1,2-Dichloropropane	U		0.000395	0.00110	1	03/30/2018 15:21	WG1091540
1,1-Dichloropropene	U		0.000349	0.00110	1	03/30/2018 15:21	WG1091540
1,3-Dichloropropane	U		0.000228	0.00110	1	03/30/2018 15:21	WG1091540
cis-1,3-Dichloropropene	U		0.000289	0.00110	1	03/30/2018 15:21	WG1091540
trans-1,3-Dichloropropene	U		0.000294	0.00110	1	03/30/2018 15:21	WG1091540
trans-1,4-Dichloro-2-butene	U UJ	J0	0.000857	0.00276	1	03/30/2018 15:21	WG1091540
2,2-Dichloropropane	U		0.000307	0.00110	1	03/30/2018 15:21	WG1091540
Di-isopropyl ether	U		0.000273	0.00110	1	03/30/2018 15:21	WG1091540
Ethylbenzene	U		0.000327	0.00110	1	03/30/2018 15:21	WG1091540
Hexachloro-1,3-butadiene	U		0.000377	0.00110	1	03/30/2018 15:21	WG1091540
2-Hexanone	U UJ	J0	0.00151	0.0110	1	03/30/2018 15:21	WG1091540
n-Hexane	U		0.000320	0.0110	1	03/30/2018 15:21	WG1091540
Iodomethane	U		0.00279	0.0110	1	03/30/2018 15:21	WG1091540
Isopropylbenzene	U		0.000268	0.00110	1	03/30/2018 15:21	WG1091540
p-Isopropyltoluene	U		0.000225	0.00110	1	03/30/2018 15:21	WG1091540
2-Butanone (MEK)	U		0.00516	0.0110	1	03/30/2018 15:21	WG1091540
Methylene Chloride	U		0.00110	0.00551	1	03/30/2018 15:21	WG1091540
4-Methyl-2-pentanone (MIBK)	U		0.00207	0.0110	1	03/30/2018 15:21	WG1091540

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000234	0.00110	1	03/30/2018 15:21	WG1091540
Naphthalene	U		0.00110	0.00551	1	03/30/2018 15:21	WG1091540
n-Propylbenzene	U		0.000227	0.00110	1	03/30/2018 15:21	WG1091540
Styrene	U		0.000258	0.00110	1	03/30/2018 15:21	WG1091540
1,1,1,2-Tetrachloroethane	U		0.000291	0.00110	1	03/30/2018 15:21	WG1091540
1,1,2,2-Tetrachloroethane	U		0.000402	0.00110	1	03/30/2018 15:21	WG1091540
1,1,2-Trichlorotrifluoroethane	U	J4	0.000402	0.00110	1	03/30/2018 15:21	WG1091540
Tetrachloroethene	0.00329 UJ	J0	0.000304	0.00110	1	03/30/2018 15:21	WG1091540
Toluene	U		0.000478	0.00551	1	03/30/2018 15:21	WG1091540
1,2,3-Trichlorobenzene	U		0.000337	0.00110	1	03/30/2018 15:21	WG1091540
1,2,4-Trichlorobenzene	U		0.000428	0.00110	1	03/30/2018 15:21	WG1091540
1,1,1-Trichloroethane	U		0.000315	0.00110	1	03/30/2018 15:21	WG1091540
1,1,2-Trichloroethane	U UJ	J0	0.000305	0.00110	1	03/30/2018 15:21	WG1091540
Trichloroethene	0.00150		0.000307	0.00110	1	03/30/2018 15:21	WG1091540
Trichlorofluoromethane	U	J4	0.000421	0.00551	1	03/30/2018 15:21	WG1091540
1,2,3-Trichloropropane	U		0.000817	0.00276	1	03/30/2018 15:21	WG1091540
1,2,4-Trimethylbenzene	U		0.000233	0.00110	1	03/30/2018 15:21	WG1091540
1,2,3-Trimethylbenzene	U		0.000316	0.00110	1	03/30/2018 15:21	WG1091540
1,3,5-Trimethylbenzene	U		0.000293	0.00110	1	03/30/2018 15:21	WG1091540
Vinyl acetate	U	J4	0.00263	0.0110	1	03/30/2018 15:21	WG1091540
Vinyl chloride	U		0.000321	0.00110	1	03/30/2018 15:21	WG1091540
Xylenes, Total	U		0.000769	0.00331	1	03/30/2018 15:21	WG1091540
(S) Toluene-d8	*104*			*80.0-120*		*03/30/2018 15:21*	WG1091540
(S) Dibromofluoromethane	*113*			*74.0-131*		*03/30/2018 15:21*	WG1091540
(S) 4-Bromofluorobenzene	*108*			*64.0-132*		*03/30/2018 15:21*	WG1091540

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	92.2		1	03/30/2018 14:01	WG1091416

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg		Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.0201	J	J J0	0.0108	0.0542	1	04/01/2018 16:46	WG1091540
Acrylonitrile	U			0.00194	0.0108	1	03/30/2018 15:41	WG1091540
Benzene	U			0.000293	0.00108	1	03/30/2018 15:41	WG1091540
Bromobenzene	U			0.000308	0.00108	1	03/30/2018 15:41	WG1091540
Bromodichloromethane	U	UJ	J0	0.000276	0.00108	1	03/30/2018 15:41	WG1091540
Bromochloromethane	U			0.000423	0.00542	1	03/30/2018 15:41	WG1091540
Bromoform	U			0.000460	0.00108	1	03/30/2018 15:41	WG1091540
Bromomethane	U			0.00145	0.00542	1	03/30/2018 15:41	WG1091540
n-Butylbenzene	U			0.000280	0.00108	1	03/30/2018 15:41	WG1091540
sec-Butylbenzene	U			0.000218	0.00108	1	03/30/2018 15:41	WG1091540
tert-Butylbenzene	U			0.000224	0.00108	1	03/30/2018 15:41	WG1091540
Carbon disulfide	0.000835	J	J	0.000240	0.00108	1	03/30/2018 15:41	WG1091540
Carbon tetrachloride	U			0.000356	0.00108	1	03/30/2018 15:41	WG1091540
Chlorobenzene	U			0.000230	0.00108	1	03/30/2018 15:41	WG1091540
Chlorodibromomethane	U	UJ	J0	0.000405	0.00108	1	03/30/2018 15:41	WG1091540
Chloroethane	U			0.00103	0.00542	1	03/30/2018 15:41	WG1091540
Chloroform	U			0.000248	0.00542	1	03/30/2018 15:41	WG1091540
Chloromethane	U			0.000407	0.00271	1	03/30/2018 15:41	WG1091540
2-Chlorotoluene	U			0.000327	0.00108	1	03/30/2018 15:41	WG1091540
4-Chlorotoluene	U			0.000260	0.00108	1	03/30/2018 15:41	WG1091540
1,2-Dibromo-3-Chloropropane	U	UJ	J0	0.00114	0.00542	1	03/30/2018 15:41	WG1091540
1,2-Dibromoethane	U	UJ	J0	0.000372	0.00108	1	03/30/2018 15:41	WG1091540
Dibromomethane	U			0.000414	0.00108	1	03/30/2018 15:41	WG1091540
1,2-Dichlorobenzene	U			0.000331	0.00108	1	03/30/2018 15:41	WG1091540
1,3-Dichlorobenzene	U			0.000259	0.00108	1	03/30/2018 15:41	WG1091540
1,4-Dichlorobenzene	U			0.000245	0.00108	1	03/30/2018 15:41	WG1091540
Dichlorodifluoromethane	U			0.000774	0.00542	1	03/30/2018 15:41	WG1091540
1,1-Dichloroethane	U			0.000216	0.00108	1	03/30/2018 15:41	WG1091540
1,2-Dichloroethane	U			0.000288	0.00108	1	03/30/2018 15:41	WG1091540
1,1-Dichloroethene	U			0.000329	0.00108	1	03/30/2018 15:41	WG1091540
cis-1,2-Dichloroethene	0.00156			0.000255	0.00108	1	03/30/2018 15:41	WG1091540
trans-1,2-Dichloroethene	U			0.000286	0.00108	1	03/30/2018 15:41	WG1091540
1,2-Dichloropropane	U			0.000388	0.00108	1	03/30/2018 15:41	WG1091540
1,1-Dichloropropene	U			0.000344	0.00108	1	03/30/2018 15:41	WG1091540
1,3-Dichloropropane	U			0.000225	0.00108	1	03/30/2018 15:41	WG1091540
cis-1,3-Dichloropropene	U			0.000284	0.00108	1	03/30/2018 15:41	WG1091540
trans-1,3-Dichloropropene	U			0.000290	0.00108	1	03/30/2018 15:41	WG1091540
trans-1,4-Dichloro-2-butene	U	UJ	J0	0.000844	0.00271	1	03/30/2018 15:41	WG1091540
2,2-Dichloropropane	U			0.000303	0.00108	1	03/30/2018 15:41	WG1091540
Di-isopropyl ether	U			0.000269	0.00108	1	03/30/2018 15:41	WG1091540
Ethylbenzene	U			0.000322	0.00108	1	03/30/2018 15:41	WG1091540
Hexachloro-1,3-butadiene	U			0.000371	0.00108	1	03/30/2018 15:41	WG1091540
2-Hexanone	U	UJ	J0	0.00149	0.0108	1	03/30/2018 15:41	WG1091540
n-Hexane	U			0.000315	0.0108	1	03/30/2018 15:41	WG1091540
Iodomethane	U			0.00274	0.0108	1	03/30/2018 15:41	WG1091540
Isopropylbenzene	U			0.000264	0.00108	1	03/30/2018 15:41	WG1091540
p-Isopropyltoluene	U			0.000221	0.00108	1	03/30/2018 15:41	WG1091540
2-Butanone (MEK)	0.0121			0.00508	0.0108	1	03/30/2018 15:41	WG1091540
Methylene Chloride	U			0.00108	0.00542	1	03/30/2018 15:41	WG1091540
4-Methyl-2-pentanone (MIBK)	U			0.00204	0.0108	1	03/30/2018 15:41	WG1091540

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000230	0.00108	1	03/30/2018 15:41	WG1091540
Naphthalene	U		0.00108	0.00542	1	03/30/2018 15:41	WG1091540
n-Propylbenzene	U		0.000224	0.00108	1	03/30/2018 15:41	WG1091540
Styrene	U		0.000254	0.00108	1	03/30/2018 15:41	WG1091540
1,1,1,2-Tetrachloroethane	U		0.000286	0.00108	1	03/30/2018 15:41	WG1091540
1,1,2,2-Tetrachloroethane	U		0.000396	0.00108	1	03/30/2018 15:41	WG1091540
1,1,2-Trichlorotrifluoroethane	U	J4	0.000396	0.00108	1	03/30/2018 15:41	WG1091540
Tetrachloroethene	0.000668 J	J J0	0.000299	0.00108	1	03/30/2018 15:41	WG1091540
Toluene	U		0.000471	0.00542	1	03/30/2018 15:41	WG1091540
1,2,3-Trichlorobenzene	U		0.000332	0.00108	1	03/30/2018 15:41	WG1091540
1,2,4-Trichlorobenzene	U		0.000421	0.00108	1	03/30/2018 15:41	WG1091540
1,1,1-Trichloroethane	U		0.000310	0.00108	1	03/30/2018 15:41	WG1091540
1,1,2-Trichloroethane	U UJ	J0	0.000301	0.00108	1	03/30/2018 15:41	WG1091540
Trichloroethene	U		0.000303	0.00108	1	03/30/2018 15:41	WG1091540
Trichlorofluoromethane	U	J4	0.000414	0.00542	1	03/30/2018 15:41	WG1091540
1,2,3-Trichloropropane	U		0.000804	0.00271	1	03/30/2018 15:41	WG1091540
1,2,4-Trimethylbenzene	U		0.000229	0.00108	1	03/30/2018 15:41	WG1091540
1,2,3-Trimethylbenzene	U		0.000311	0.00108	1	03/30/2018 15:41	WG1091540
1,3,5-Trimethylbenzene	U		0.000289	0.00108	1	03/30/2018 15:41	WG1091540
Vinyl acetate	U	J4	0.00259	0.0108	1	03/30/2018 15:41	WG1091540
Vinyl chloride	U		0.000316	0.00108	1	03/30/2018 15:41	WG1091540
Xylenes, Total	U		0.000757	0.00325	1	03/30/2018 15:41	WG1091540
(S) Toluene-d8	*101*			*80.0-120*		*03/30/2018 15:41*	WG1091540
(S) Toluene-d8	*107*			*80.0-120*		*04/01/2018 16:46*	WG1091540
(S) Dibromofluoromethane	*118*			*74.0-131*		*03/30/2018 15:41*	WG1091540
(S) Dibromofluoromethane	*100*			*74.0-131*		*04/01/2018 16:46*	WG1091540
(S) 4-Bromofluorobenzene	*111*			*64.0-132*		*03/30/2018 15:41*	WG1091540
(S) 4-Bromofluorobenzene	*87.5*			*64.0-132*		*04/01/2018 16:46*	WG1091540

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	90.6		1	03/30/2018 14:01	WG1091416

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg		Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.0194	J	J J0	0.0110	0.0552	1	04/01/2018 17:06	WG1091540
Acrylonitrile	U			0.00198	0.0110	1	03/30/2018 16:02	WG1091540
Benzene	U			0.000298	0.00110	1	03/30/2018 16:02	WG1091540
Bromobenzene	U			0.000313	0.00110	1	03/30/2018 16:02	WG1091540
Bromodichloromethane	U	UJ	J0	0.000280	0.00110	1	03/30/2018 16:02	WG1091540
Bromochloromethane	U			0.000430	0.00552	1	03/30/2018 16:02	WG1091540
Bromoform	U			0.000468	0.00110	1	03/30/2018 16:02	WG1091540
Bromomethane	U			0.00148	0.00552	1	03/30/2018 16:02	WG1091540
n-Butylbenzene	U			0.000285	0.00110	1	03/30/2018 16:02	WG1091540
sec-Butylbenzene	U			0.000222	0.00110	1	03/30/2018 16:02	WG1091540
tert-Butylbenzene	U			0.000227	0.00110	1	03/30/2018 16:02	WG1091540
Carbon disulfide	0.00124			0.000244	0.00110	1	03/30/2018 16:02	WG1091540
Carbon tetrachloride	U			0.000362	0.00110	1	03/30/2018 16:02	WG1091540
Chlorobenzene	U			0.000234	0.00110	1	03/30/2018 16:02	WG1091540
Chlorodibromomethane	U	UJ	J0	0.000412	0.00110	1	03/30/2018 16:02	WG1091540
Chloroethane	U			0.00104	0.00552	1	03/30/2018 16:02	WG1091540
Chloroform	U			0.000253	0.00552	1	03/30/2018 16:02	WG1091540
Chloromethane	U			0.000414	0.00276	1	03/30/2018 16:02	WG1091540
2-Chlorotoluene	U			0.000332	0.00110	1	03/30/2018 16:02	WG1091540
4-Chlorotoluene	U			0.000265	0.00110	1	03/30/2018 16:02	WG1091540
1,2-Dibromo-3-Chloropropane	U	UJ	J0	0.00116	0.00552	1	03/30/2018 16:02	WG1091540
1,2-Dibromoethane	U	UJ	J0	0.000379	0.00110	1	03/30/2018 16:02	WG1091540
Dibromomethane	U			0.000422	0.00110	1	03/30/2018 16:02	WG1091540
1,2-Dichlorobenzene	U			0.000337	0.00110	1	03/30/2018 16:02	WG1091540
1,3-Dichlorobenzene	U			0.000264	0.00110	1	03/30/2018 16:02	WG1091540
1,4-Dichlorobenzene	U			0.000249	0.00110	1	03/30/2018 16:02	WG1091540
Dichlorodifluoromethane	U			0.000787	0.00552	1	03/30/2018 16:02	WG1091540
1,1-Dichloroethane	U			0.000220	0.00110	1	03/30/2018 16:02	WG1091540
1,2-Dichloroethane	U			0.000292	0.00110	1	03/30/2018 16:02	WG1091540
1,1-Dichloroethene	U			0.000334	0.00110	1	03/30/2018 16:02	WG1091540
cis-1,2-Dichloroethene	0.00420			0.000259	0.00110	1	03/30/2018 16:02	WG1091540
trans-1,2-Dichloroethene	0.00118			0.000291	0.00110	1	03/30/2018 16:02	WG1091540
1,2-Dichloropropane	U			0.000395	0.00110	1	03/30/2018 16:02	WG1091540
1,1-Dichloropropene	U			0.000350	0.00110	1	03/30/2018 16:02	WG1091540
1,3-Dichloropropane	U			0.000228	0.00110	1	03/30/2018 16:02	WG1091540
cis-1,3-Dichloropropene	U			0.000289	0.00110	1	03/30/2018 16:02	WG1091540
trans-1,3-Dichloropropene	U			0.000295	0.00110	1	03/30/2018 16:02	WG1091540
trans-1,4-Dichloro-2-butene	U	UJ	J0	0.000859	0.00276	1	03/30/2018 16:02	WG1091540
2,2-Dichloropropane	U			0.000308	0.00110	1	03/30/2018 16:02	WG1091540
Di-isopropyl ether	U			0.000274	0.00110	1	03/30/2018 16:02	WG1091540
Ethylbenzene	U			0.000328	0.00110	1	03/30/2018 16:02	WG1091540
Hexachloro-1,3-butadiene	U			0.000377	0.00110	1	03/30/2018 16:02	WG1091540
2-Hexanone	U	UJ	J0	0.00151	0.0110	1	03/30/2018 16:02	WG1091540
n-Hexane	U			0.000320	0.0110	1	03/30/2018 16:02	WG1091540
Iodomethane	U			0.00279	0.0110	1	03/30/2018 16:02	WG1091540
Isopropylbenzene	U			0.000268	0.00110	1	03/30/2018 16:02	WG1091540
p-Isopropyltoluene	U			0.000225	0.00110	1	03/30/2018 16:02	WG1091540
2-Butanone (MEK)	0.0134			0.00517	0.0110	1	03/30/2018 16:02	WG1091540
Methylene Chloride	U			0.00110	0.00552	1	03/30/2018 16:02	WG1091540
4-Methyl-2-pentanone (MIBK)	U			0.00208	0.0110	1	03/30/2018 16:02	WG1091540

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000234	0.00110	1	03/30/2018 16:02	WG1091540
Naphthalene	U		0.00110	0.00552	1	03/30/2018 16:02	WG1091540
n-Propylbenzene	U		0.000227	0.00110	1	03/30/2018 16:02	WG1091540
Styrene	U		0.000258	0.00110	1	03/30/2018 16:02	WG1091540
1,1,1,2-Tetrachloroethane	U		0.000291	0.00110	1	03/30/2018 16:02	WG1091540
1,1,2,2-Tetrachloroethane	U		0.000403	0.00110	1	03/30/2018 16:02	WG1091540
1,1,2-Trichlorotrifluoroethane	U	J4	0.000403	0.00110	1	03/30/2018 16:02	WG1091540
Tetrachloroethene	0.00167	J J0	0.000305	0.00110	1	03/30/2018 16:02	WG1091540
Toluene	U		0.000479	0.00552	1	03/30/2018 16:02	WG1091540
1,2,3-Trichlorobenzene	U		0.000338	0.00110	1	03/30/2018 16:02	WG1091540
1,2,4-Trichlorobenzene	U		0.000428	0.00110	1	03/30/2018 16:02	WG1091540
1,1,1-Trichloroethane	U		0.000316	0.00110	1	03/30/2018 16:02	WG1091540
1,1,2-Trichloroethane	U	UJ J0	0.000306	0.00110	1	03/30/2018 16:02	WG1091540
Trichloroethene	0.00101	J J	0.000308	0.00110	1	03/30/2018 16:02	WG1091540
Trichlorofluoromethane	U	J4	0.000422	0.00552	1	03/30/2018 16:02	WG1091540
1,2,3-Trichloropropane	U		0.000818	0.00276	1	03/30/2018 16:02	WG1091540
1,2,4-Trimethylbenzene	U		0.000233	0.00110	1	03/30/2018 16:02	WG1091540
1,2,3-Trimethylbenzene	U		0.000317	0.00110	1	03/30/2018 16:02	WG1091540
1,3,5-Trimethylbenzene	U		0.000294	0.00110	1	03/30/2018 16:02	WG1091540
Vinyl acetate	U	J4	0.00264	0.0110	1	03/30/2018 16:02	WG1091540
Vinyl chloride	U		0.000321	0.00110	1	03/30/2018 16:02	WG1091540
Xylenes, Total	U		0.000770	0.00331	1	03/30/2018 16:02	WG1091540
(S) Toluene-d8	*101*			*80.0-120*		*03/30/2018 16:02*	WG1091540
(S) Toluene-d8	*103*			*80.0-120*		*04/01/2018 17:06*	WG1091540
(S) Dibromofluoromethane	*115*			*74.0-131*		*03/30/2018 16:02*	WG1091540
(S) Dibromofluoromethane	*101*			*74.0-131*		*04/01/2018 17:06*	WG1091540
(S) 4-Bromofluorobenzene	*111*			*64.0-132*		*03/30/2018 16:02*	WG1091540
(S) 4-Bromofluorobenzene	*89.4*			*64.0-132*		*04/01/2018 17:06*	WG1091540

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	94.0		1	03/30/2018 14:01	WG1091416

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U	UJ J0	0.0108	0.0542	1.02	03/30/2018 16:23	WG1091540
Acrylonitrile	U		0.00194	0.0108	1.02	03/30/2018 16:23	WG1091540
Benzene	U		0.000293	0.00108	1.02	03/30/2018 16:23	WG1091540
Bromobenzene	U		0.000308	0.00108	1.02	03/30/2018 16:23	WG1091540
Bromodichloromethane	U	UJ J0	0.000275	0.00108	1.02	03/30/2018 16:23	WG1091540
Bromochloromethane	U		0.000423	0.00542	1.02	03/30/2018 16:23	WG1091540
Bromoform	U		0.000460	0.00108	1.02	03/30/2018 16:23	WG1091540
Bromomethane	U		0.00146	0.00542	1.02	03/30/2018 16:23	WG1091540
n-Butylbenzene	U		0.000280	0.00108	1.02	03/30/2018 16:23	WG1091540
sec-Butylbenzene	U		0.000218	0.00108	1.02	03/30/2018 16:23	WG1091540
tert-Butylbenzene	U		0.000223	0.00108	1.02	03/30/2018 16:23	WG1091540
Carbon disulfide	0.00213		0.000239	0.00108	1.02	03/30/2018 16:23	WG1091540
Carbon tetrachloride	U		0.000355	0.00108	1.02	03/30/2018 16:23	WG1091540
Chlorobenzene	U		0.000230	0.00108	1.02	03/30/2018 16:23	WG1091540
Chlorodibromomethane	U	UJ J0	0.000404	0.00108	1.02	03/30/2018 16:23	WG1091540
Chloroethane	U		0.00103	0.00542	1.02	03/30/2018 16:23	WG1091540
Chloroform	U		0.000249	0.00542	1.02	03/30/2018 16:23	WG1091540
Chloromethane	U		0.000406	0.00271	1.02	03/30/2018 16:23	WG1091540
2-Chlorotoluene	U		0.000327	0.00108	1.02	03/30/2018 16:23	WG1091540
4-Chlorotoluene	U		0.000261	0.00108	1.02	03/30/2018 16:23	WG1091540
1,2-Dibromo-3-Chloropropane	U	UJ J0	0.00114	0.00542	1.02	03/30/2018 16:23	WG1091540
1,2-Dibromoethane	U	UJ J0	0.000372	0.00108	1.02	03/30/2018 16:23	WG1091540
Dibromomethane	U		0.000415	0.00108	1.02	03/30/2018 16:23	WG1091540
1,2-Dichlorobenzene	U		0.000331	0.00108	1.02	03/30/2018 16:23	WG1091540
1,3-Dichlorobenzene	U		0.000260	0.00108	1.02	03/30/2018 16:23	WG1091540
1,4-Dichlorobenzene	U		0.000245	0.00108	1.02	03/30/2018 16:23	WG1091540
Dichlorodifluoromethane	U		0.000773	0.00542	1.02	03/30/2018 16:23	WG1091540
1,1-Dichloroethane	U		0.000216	0.00108	1.02	03/30/2018 16:23	WG1091540
1,2-Dichloroethane	U		0.000287	0.00108	1.02	03/30/2018 16:23	WG1091540
1,1-Dichloroethene	0.000804	J J	0.000329	0.00108	1.02	03/30/2018 16:23	WG1091540
cis-1,2-Dichloroethene	0.148		0.000255	0.00108	1.02	03/30/2018 16:23	WG1091540
trans-1,2-Dichloroethene	0.0204		0.000286	0.00108	1.02	03/30/2018 16:23	WG1091540
1,2-Dichloropropane	U		0.000388	0.00108	1.02	03/30/2018 16:23	WG1091540
1,1-Dichloropropene	U		0.000344	0.00108	1.02	03/30/2018 16:23	WG1091540
1,3-Dichloropropane	U		0.000224	0.00108	1.02	03/30/2018 16:23	WG1091540
cis-1,3-Dichloropropene	U		0.000284	0.00108	1.02	03/30/2018 16:23	WG1091540
trans-1,3-Dichloropropene	U		0.000289	0.00108	1.02	03/30/2018 16:23	WG1091540
trans-1,4-Dichloro-2-butene	U	UJ J0	0.000845	0.00271	1.02	03/30/2018 16:23	WG1091540
2,2-Dichloropropane	U		0.000302	0.00108	1.02	03/30/2018 16:23	WG1091540
Di-isopropyl ether	U		0.000269	0.00108	1.02	03/30/2018 16:23	WG1091540
Ethylbenzene	U		0.000322	0.00108	1.02	03/30/2018 16:23	WG1091540
Hexachloro-1,3-butadiene	U		0.000371	0.00108	1.02	03/30/2018 16:23	WG1091540
2-Hexanone	U	UJ J0	0.00149	0.0108	1.02	03/30/2018 16:23	WG1091540
n-Hexane	U		0.000315	0.0108	1.02	03/30/2018 16:23	WG1091540
Iodomethane	U		0.00274	0.0108	1.02	03/30/2018 16:23	WG1091540
Isopropylbenzene	U		0.000264	0.00108	1.02	03/30/2018 16:23	WG1091540
p-Isopropyltoluene	U		0.000221	0.00108	1.02	03/30/2018 16:23	WG1091540
2-Butanone (MEK)	U		0.00507	0.0108	1.02	03/30/2018 16:23	WG1091540
Methylene Chloride	U		0.00108	0.00542	1.02	03/30/2018 16:23	WG1091540
4-Methyl-2-pentanone (MIBK)	U		0.00204	0.0108	1.02	03/30/2018 16:23	WG1091540

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000230	0.00108	1.02	03/30/2018 16:23	WG1091540
Naphthalene	U		0.00108	0.00542	1.02	03/30/2018 16:23	WG1091540
n-Propylbenzene	U		0.000223	0.00108	1.02	03/30/2018 16:23	WG1091540
Styrene	U		0.000254	0.00108	1.02	03/30/2018 16:23	WG1091540
1,1,1,2-Tetrachloroethane	U		0.000286	0.00108	1.02	03/30/2018 16:23	WG1091540
1,1,2,2-Tetrachloroethane	U		0.000396	0.00108	1.02	03/30/2018 16:23	WG1091540
1,1,2-Trichlorotrifluoroethane	U	J4	0.000396	0.00108	1.02	03/30/2018 16:23	WG1091540
Tetrachloroethene	0.0683 J	J0	0.000300	0.00108	1.02	03/30/2018 16:23	WG1091540
Toluene	U		0.000471	0.00542	1.02	03/30/2018 16:23	WG1091540
1,2,3-Trichlorobenzene	U		0.000332	0.00108	1.02	03/30/2018 16:23	WG1091540
1,2,4-Trichlorobenzene	U		0.000421	0.00108	1.02	03/30/2018 16:23	WG1091540
1,1,1-Trichloroethane	U		0.000311	0.00108	1.02	03/30/2018 16:23	WG1091540
1,1,2-Trichloroethane	U UJ	J0	0.000300	0.00108	1.02	03/30/2018 16:23	WG1091540
Trichloroethene	0.0476		0.000302	0.00108	1.02	03/30/2018 16:23	WG1091540
Trichlorofluoromethane	U	J4	0.000415	0.00542	1.02	03/30/2018 16:23	WG1091540
1,2,3-Trichloropropane	U		0.000804	0.00271	1.02	03/30/2018 16:23	WG1091540
1,2,4-Trimethylbenzene	U		0.000229	0.00108	1.02	03/30/2018 16:23	WG1091540
1,2,3-Trimethylbenzene	U		0.000312	0.00108	1.02	03/30/2018 16:23	WG1091540
1,3,5-Trimethylbenzene	U		0.000288	0.00108	1.02	03/30/2018 16:23	WG1091540
Vinyl acetate	U	J4	0.00260	0.0108	1.02	03/30/2018 16:23	WG1091540
Vinyl chloride	0.000480 J	J	0.000316	0.00108	1.02	03/30/2018 16:23	WG1091540
Xylenes, Total	U		0.000757	0.00325	1.02	03/30/2018 16:23	WG1091540
(S) Toluene-d8	*99.7*			*80.0-120*		*03/30/2018 16:23*	WG1091540
(S) Dibromofluoromethane	*113*			*74.0-131*		*03/30/2018 16:23*	WG1091540
(S) 4-Bromofluorobenzene	*108*			*64.0-132*		*03/30/2018 16:23*	WG1091540

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	90.4		1	03/30/2018 14:01	WG1091416

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg		Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U	UJ	J0 J3	0.0111	0.0553	1	03/29/2018 17:09	WG1090697
Acrylonitrile	U	UJ	J0	0.00198	0.0111	1	03/29/2018 17:09	WG1090697
Benzene	U			0.000299	0.00111	1	03/29/2018 17:09	WG1090697
Bromobenzene	U			0.000314	0.00111	1	03/29/2018 17:09	WG1090697
Bromodichloromethane	U			0.000281	0.00111	1	03/29/2018 17:09	WG1090697
Bromochloromethane	U			0.000431	0.00553	1	03/29/2018 17:09	WG1090697
Bromoform	U			0.000469	0.00111	1	03/29/2018 17:09	WG1090697
Bromomethane	U			0.00148	0.00553	1	03/29/2018 17:09	WG1090697
n-Butylbenzene	U			0.000285	0.00111	1	03/29/2018 17:09	WG1090697
sec-Butylbenzene	U			0.000222	0.00111	1	03/29/2018 17:09	WG1090697
tert-Butylbenzene	U			0.000228	0.00111	1	03/29/2018 17:09	WG1090697
Carbon disulfide	0.00234			0.000244	0.00111	1	03/29/2018 17:09	WG1090697
Carbon tetrachloride	U			0.000363	0.00111	1	03/29/2018 17:09	WG1090697
Chlorobenzene	U			0.000235	0.00111	1	03/29/2018 17:09	WG1090697
Chlorodibromomethane	U			0.000413	0.00111	1	03/29/2018 17:09	WG1090697
Chloroethane	U			0.00105	0.00553	1	03/29/2018 17:09	WG1090697
Chloroform	U			0.000253	0.00553	1	03/29/2018 17:09	WG1090697
Chloromethane	U	UJ	J0	0.000415	0.00277	1	03/29/2018 17:09	WG1090697
2-Chlorotoluene	U			0.000333	0.00111	1	03/29/2018 17:09	WG1090697
4-Chlorotoluene	U			0.000265	0.00111	1	03/29/2018 17:09	WG1090697
1,2-Dibromo-3-Chloropropane	U		J3	0.00116	0.00553	1	03/29/2018 17:09	WG1090697
1,2-Dibromoethane	U			0.000379	0.00111	1	03/29/2018 17:09	WG1090697
Dibromomethane	U			0.000423	0.00111	1	03/29/2018 17:09	WG1090697
1,2-Dichlorobenzene	U			0.000337	0.00111	1	03/29/2018 17:09	WG1090697
1,3-Dichlorobenzene	U			0.000264	0.00111	1	03/29/2018 17:09	WG1090697
1,4-Dichlorobenzene	U			0.000250	0.00111	1	03/29/2018 17:09	WG1090697
Dichlorodifluoromethane	U	UJ	J0	0.000789	0.00553	1	03/29/2018 17:09	WG1090697
1,1-Dichloroethane	U			0.000220	0.00111	1	03/29/2018 17:09	WG1090697
1,2-Dichloroethane	U			0.000293	0.00111	1	03/29/2018 17:09	WG1090697
1,1-Dichloroethene	0.00383			0.000335	0.00111	1	03/29/2018 17:09	WG1090697
cis-1,2-Dichloroethene	3.47			0.0650	0.277	250	03/30/2018 09:25	WG1090697
trans-1,2-Dichloroethene	0.0176	J	J6	0.000292	0.00111	1	03/29/2018 17:09	WG1090697
1,2-Dichloropropane	U			0.000396	0.00111	1	03/29/2018 17:09	WG1090697
1,1-Dichloropropene	U			0.000351	0.00111	1	03/29/2018 17:09	WG1090697
1,3-Dichloropropane	U			0.000229	0.00111	1	03/29/2018 17:09	WG1090697
cis-1,3-Dichloropropene	U			0.000290	0.00111	1	03/29/2018 17:09	WG1090697
trans-1,3-Dichloropropene	U			0.000295	0.00111	1	03/29/2018 17:09	WG1090697
trans-1,4-Dichloro-2-butene	U			0.000861	0.00277	1	03/29/2018 17:09	WG1090697
2,2-Dichloropropane	U			0.000309	0.00111	1	03/29/2018 17:09	WG1090697
Di-isopropyl ether	U	UJ	J0	0.000274	0.00111	1	03/29/2018 17:09	WG1090697
Ethylbenzene	U			0.000329	0.00111	1	03/29/2018 17:09	WG1090697
Hexachloro-1,3-butadiene	U			0.000378	0.00111	1	03/29/2018 17:09	WG1090697
2-Hexanone	U	UJ	J0 J3	0.00152	0.0111	1	03/29/2018 17:09	WG1090697
n-Hexane	U		J0	0.000321	0.0111	1	03/29/2018 17:09	WG1090697
Iodomethane	U			0.00280	0.0111	1	03/29/2018 17:09	WG1090697
Isopropylbenzene	U			0.000269	0.00111	1	03/29/2018 17:09	WG1090697
p-Isopropyltoluene	U			0.000226	0.00111	1	03/29/2018 17:09	WG1090697
2-Butanone (MEK)	U	UJ	J0	0.00518	0.0111	1	03/29/2018 17:09	WG1090697
Methylene Chloride	U			0.00111	0.00553	1	03/29/2018 17:09	WG1090697
4-Methyl-2-pentanone (MIBK)	U	UJ	J0	0.00208	0.0111	1	03/29/2018 17:09	WG1090697

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000235	0.00111	1	03/29/2018 17:09	WG1090697
Naphthalene	U		0.00111	0.00553	1	03/29/2018 17:09	WG1090697
n-Propylbenzene	U		0.000228	0.00111	1	03/29/2018 17:09	WG1090697
Styrene	U		0.000259	0.00111	1	03/29/2018 17:09	WG1090697
1,1,1,2-Tetrachloroethane	U		0.000292	0.00111	1	03/29/2018 17:09	WG1090697
1,1,2,2-Tetrachloroethane	U		0.000404	0.00111	1	03/29/2018 17:09	WG1090697
1,1,2-Trichlorotrifluoroethane	U		0.000404	0.00111	1	03/29/2018 17:09	WG1090697
Tetrachloroethene	8.37		0.0763	0.277	250	03/30/2018 09:25	WG1090697
Toluene	U		0.000480	0.00553	1	03/29/2018 17:09	WG1090697
1,2,3-Trichlorobenzene	U		0.000338	0.00111	1	03/29/2018 17:09	WG1090697
1,2,4-Trichlorobenzene	U		0.000429	0.00111	1	03/29/2018 17:09	WG1090697
1,1,1-Trichloroethane	U		0.000316	0.00111	1	03/29/2018 17:09	WG1090697
1,1,2-Trichloroethane	U		0.000306	0.00111	1	03/29/2018 17:09	WG1090697
Trichloroethene	0.191 J	J	0.0772	0.277	250	03/30/2018 09:25	WG1090697
Trichlorofluoromethane	U		0.000423	0.00553	1	03/29/2018 17:09	WG1090697
1,2,3-Trichloropropane	U		0.000820	0.00277	1	03/29/2018 17:09	WG1090697
1,2,4-Trimethylbenzene	0.000248 J	J	0.000233	0.00111	1	03/29/2018 17:09	WG1090697
1,2,3-Trimethylbenzene	U		0.000317	0.00111	1	03/29/2018 17:09	WG1090697
1,3,5-Trimethylbenzene	U		0.000294	0.00111	1	03/29/2018 17:09	WG1090697
Vinyl acetate	U		0.00264	0.0111	1	03/29/2018 17:09	WG1090697
Vinyl chloride	0.00534		0.000322	0.00111	1	03/29/2018 17:09	WG1090697
Xylenes, Total	U		0.000772	0.00332	1	03/29/2018 17:09	WG1090697
(S) Toluene-d8	*95.3*			*80.0-120*		*03/29/2018 17:09*	WG1090697
(S) Toluene-d8	*109*			*80.0-120*		*03/30/2018 09:25*	WG1090697
(S) Dibromofluoromethane	*104*			*74.0-131*		*03/30/2018 09:25*	WG1090697
(S) Dibromofluoromethane	*105*			*74.0-131*		*03/29/2018 17:09*	WG1090697
(S) 4-Bromofluorobenzene	*112*			*64.0-132*		*03/29/2018 17:09*	WG1090697
(S) 4-Bromofluorobenzene	*103*			*64.0-132*		*03/30/2018 09:25*	WG1090697

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	84.6		1	03/30/2018 14:01	WG1091416

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.0214 J	J	0.0118	0.0591	1	03/29/2018 18:13	WG1091141
Acrylonitrile	U		0.00211	0.0118	1	03/29/2018 18:13	WG1091141
Benzene	U		0.000319	0.00118	1	03/29/2018 18:13	WG1091141
Bromobenzene	U		0.000336	0.00118	1	03/29/2018 18:13	WG1091141
Bromodichloromethane	U		0.000300	0.00118	1	03/29/2018 18:13	WG1091141
Bromochloromethane	U		0.000461	0.00591	1	03/29/2018 18:13	WG1091141
Bromoform	U		0.000501	0.00118	1	03/29/2018 18:13	WG1091141
Bromomethane	U		0.00158	0.00591	1	03/29/2018 18:13	WG1091141
n-Butylbenzene	U		0.000305	0.00118	1	03/29/2018 18:13	WG1091141
sec-Butylbenzene	U		0.000237	0.00118	1	03/29/2018 18:13	WG1091141
tert-Butylbenzene	U		0.000243	0.00118	1	03/29/2018 18:13	WG1091141
Carbon disulfide	0.000739 J	J	0.000261	0.00118	1	03/29/2018 18:13	WG1091141
Carbon tetrachloride	U		0.000388	0.00118	1	03/29/2018 18:13	WG1091141
Chlorobenzene	U		0.000250	0.00118	1	03/29/2018 18:13	WG1091141
Chlorodibromomethane	U		0.000441	0.00118	1	03/29/2018 18:13	WG1091141
Chloroethane	U		0.00112	0.00591	1	03/29/2018 18:13	WG1091141
Chloroform	U		0.000271	0.00591	1	03/29/2018 18:13	WG1091141
Chloromethane	U		0.000443	0.00295	1	03/29/2018 18:13	WG1091141
2-Chlorotoluene	U		0.000356	0.00118	1	03/29/2018 18:13	WG1091141
4-Chlorotoluene	U		0.000284	0.00118	1	03/29/2018 18:13	WG1091141
1,2-Dibromo-3-Chloropropane	U		0.00124	0.00591	1	03/29/2018 18:13	WG1091141
1,2-Dibromoethane	U		0.000405	0.00118	1	03/29/2018 18:13	WG1091141
Dibromomethane	U		0.000451	0.00118	1	03/29/2018 18:13	WG1091141
1,2-Dichlorobenzene	U		0.000360	0.00118	1	03/29/2018 18:13	WG1091141
1,3-Dichlorobenzene	U		0.000282	0.00118	1	03/29/2018 18:13	WG1091141
1,4-Dichlorobenzene	U		0.000267	0.00118	1	03/29/2018 18:13	WG1091141
Dichlorodifluoromethane	U UJ	J0	0.000842	0.00591	1	03/29/2018 18:13	WG1091141
1,1-Dichloroethane	U		0.000235	0.00118	1	03/29/2018 18:13	WG1091141
1,2-Dichloroethane	U		0.000313	0.00118	1	03/29/2018 18:13	WG1091141
1,1-Dichloroethene	0.000557 J	J	0.000358	0.00118	1	03/29/2018 18:13	WG1091141
cis-1,2-Dichloroethene	0.121		0.000278	0.00118	1	03/29/2018 18:13	WG1091141
trans-1,2-Dichloroethene	0.00172		0.000312	0.00118	1	03/29/2018 18:13	WG1091141
1,2-Dichloropropane	U		0.000423	0.00118	1	03/29/2018 18:13	WG1091141
1,1-Dichloropropene	U		0.000375	0.00118	1	03/29/2018 18:13	WG1091141
1,3-Dichloropropane	U		0.000245	0.00118	1	03/29/2018 18:13	WG1091141
cis-1,3-Dichloropropene	U		0.000310	0.00118	1	03/29/2018 18:13	WG1091141
trans-1,3-Dichloropropene	U		0.000315	0.00118	1	03/29/2018 18:13	WG1091141
trans-1,4-Dichloro-2-butene	U		0.000919	0.00295	1	03/29/2018 18:13	WG1091141
2,2-Dichloropropane	U		0.000330	0.00118	1	03/29/2018 18:13	WG1091141
Di-isopropyl ether	U		0.000293	0.00118	1	03/29/2018 18:13	WG1091141
Ethylbenzene	U		0.000351	0.00118	1	03/29/2018 18:13	WG1091141
Hexachloro-1,3-butadiene	U		0.000404	0.00118	1	03/29/2018 18:13	WG1091141
2-Hexanone	U		0.00162	0.0118	1	03/29/2018 18:13	WG1091141
n-Hexane	0.00151 J	J	0.000343	0.0118	1	03/29/2018 18:13	WG1091141
Iodomethane	U		0.00299	0.0118	1	03/29/2018 18:13	WG1091141
Isopropylbenzene	U		0.000287	0.00118	1	03/29/2018 18:13	WG1091141
p-Isopropyltoluene	U		0.000241	0.00118	1	03/29/2018 18:13	WG1091141
2-Butanone (MEK)	U		0.00553	0.0118	1	03/29/2018 18:13	WG1091141
Methylene Chloride	U		0.00118	0.00591	1	03/29/2018 18:13	WG1091141
4-Methyl-2-pentanone (MIBK)	U		0.00222	0.0118	1	03/29/2018 18:13	WG1091141

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000250	0.00118	1	03/29/2018 18:13	WG1091141
Naphthalene	U		0.00118	0.00591	1	03/29/2018 18:13	WG1091141
n-Propylbenzene	U		0.000243	0.00118	1	03/29/2018 18:13	WG1091141
Styrene	U		0.000276	0.00118	1	03/29/2018 18:13	WG1091141
1,1,1,2-Tetrachloroethane	U		0.000312	0.00118	1	03/29/2018 18:13	WG1091141
1,1,2,2-Tetrachloroethane	U		0.000431	0.00118	1	03/29/2018 18:13	WG1091141
1,1,2-Trichlorotrifluoroethane	U		0.000431	0.00118	1	03/29/2018 18:13	WG1091141
Tetrachloroethene	0.154		0.000326	0.00118	1	03/29/2018 18:13	WG1091141
Toluene	U		0.000513	0.00591	1	03/29/2018 18:13	WG1091141
1,2,3-Trichlorobenzene	U		0.000362	0.00118	1	03/29/2018 18:13	WG1091141
1,2,4-Trichlorobenzene	U		0.000458	0.00118	1	03/29/2018 18:13	WG1091141
1,1,1-Trichloroethane	U		0.000338	0.00118	1	03/29/2018 18:13	WG1091141
1,1,2-Trichloroethane	U		0.000327	0.00118	1	03/29/2018 18:13	WG1091141
Trichloroethene	0.00488		0.000330	0.00118	1	03/29/2018 18:13	WG1091141
Trichlorofluoromethane	U		0.000451	0.00591	1	03/29/2018 18:13	WG1091141
1,2,3-Trichloropropane	U		0.000875	0.00295	1	03/29/2018 18:13	WG1091141
1,2,4-Trimethylbenzene	U		0.000249	0.00118	1	03/29/2018 18:13	WG1091141
1,2,3-Trimethylbenzene	U		0.000339	0.00118	1	03/29/2018 18:13	WG1091141
1,3,5-Trimethylbenzene	U		0.000314	0.00118	1	03/29/2018 18:13	WG1091141
Vinyl acetate	U		0.00282	0.0118	1	03/29/2018 18:13	WG1091141
Vinyl chloride	0.00410		0.000344	0.00118	1	03/29/2018 18:13	WG1091141
Xylenes, Total	U		0.000825	0.00354	1	03/29/2018 18:13	WG1091141
(S) Toluene-d8	*96.5*			*80.0-120*		*03/29/2018 18:13*	WG1091141
(S) Dibromofluoromethane	*106*			*74.0-131*		*03/29/2018 18:13*	WG1091141
(S) 4-Bromofluorobenzene	*105*			*64.0-132*		*03/29/2018 18:13*	WG1091141

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	91.0		1	03/30/2018 14:01	WG1091416

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0110	0.0550	1	03/29/2018 18:36	WG1091141
Acrylonitrile	U		0.00197	0.0110	1	03/29/2018 18:36	WG1091141
Benzene	U		0.000297	0.00110	1	03/29/2018 18:36	WG1091141
Bromobenzene	U		0.000312	0.00110	1	03/29/2018 18:36	WG1091141
Bromodichloromethane	U		0.000279	0.00110	1	03/29/2018 18:36	WG1091141
Bromochloromethane	U		0.000429	0.00550	1	03/29/2018 18:36	WG1091141
Bromoform	U		0.000466	0.00110	1	03/29/2018 18:36	WG1091141
Bromomethane	U		0.00147	0.00550	1	03/29/2018 18:36	WG1091141
n-Butylbenzene	U		0.000284	0.00110	1	03/29/2018 18:36	WG1091141
sec-Butylbenzene	U		0.000221	0.00110	1	03/29/2018 18:36	WG1091141
tert-Butylbenzene	U		0.000226	0.00110	1	03/29/2018 18:36	WG1091141
Carbon disulfide	0.000383	J J	0.000243	0.00110	1	03/29/2018 18:36	WG1091141
Carbon tetrachloride	U		0.000361	0.00110	1	03/29/2018 18:36	WG1091141
Chlorobenzene	U		0.000233	0.00110	1	03/29/2018 18:36	WG1091141
Chlorodibromomethane	U		0.000410	0.00110	1	03/29/2018 18:36	WG1091141
Chloroethane	U		0.00104	0.00550	1	03/29/2018 18:36	WG1091141
Chloroform	U		0.000252	0.00550	1	03/29/2018 18:36	WG1091141
Chloromethane	U		0.000412	0.00275	1	03/29/2018 18:36	WG1091141
2-Chlorotoluene	U		0.000331	0.00110	1	03/29/2018 18:36	WG1091141
4-Chlorotoluene	U		0.000264	0.00110	1	03/29/2018 18:36	WG1091141
1,2-Dibromo-3-Chloropropane	U		0.00115	0.00550	1	03/29/2018 18:36	WG1091141
1,2-Dibromoethane	U		0.000377	0.00110	1	03/29/2018 18:36	WG1091141
Dibromomethane	U		0.000420	0.00110	1	03/29/2018 18:36	WG1091141
1,2-Dichlorobenzene	U		0.000335	0.00110	1	03/29/2018 18:36	WG1091141
1,3-Dichlorobenzene	U		0.000263	0.00110	1	03/29/2018 18:36	WG1091141
1,4-Dichlorobenzene	U		0.000248	0.00110	1	03/29/2018 18:36	WG1091141
Dichlorodifluoromethane	U	UJ J0	0.000784	0.00550	1	03/29/2018 18:36	WG1091141
1,1-Dichloroethane	U		0.000219	0.00110	1	03/29/2018 18:36	WG1091141
1,2-Dichloroethane	U		0.000291	0.00110	1	03/29/2018 18:36	WG1091141
1,1-Dichloroethene	0.000702	J J	0.000333	0.00110	1	03/29/2018 18:36	WG1091141
cis-1,2-Dichloroethene	0.00825		0.000258	0.00110	1	03/29/2018 18:36	WG1091141
trans-1,2-Dichloroethene	U		0.000290	0.00110	1	03/29/2018 18:36	WG1091141
1,2-Dichloropropane	U		0.000394	0.00110	1	03/29/2018 18:36	WG1091141
1,1-Dichloropropene	U		0.000348	0.00110	1	03/29/2018 18:36	WG1091141
1,3-Dichloropropane	U		0.000228	0.00110	1	03/29/2018 18:36	WG1091141
cis-1,3-Dichloropropene	U		0.000288	0.00110	1	03/29/2018 18:36	WG1091141
trans-1,3-Dichloropropene	U		0.000294	0.00110	1	03/29/2018 18:36	WG1091141
trans-1,4-Dichloro-2-butene	U		0.000855	0.00275	1	03/29/2018 18:36	WG1091141
2,2-Dichloropropane	U		0.000307	0.00110	1	03/29/2018 18:36	WG1091141
Di-isopropyl ether	U		0.000273	0.00110	1	03/29/2018 18:36	WG1091141
Ethylbenzene	U		0.000326	0.00110	1	03/29/2018 18:36	WG1091141
Hexachloro-1,3-butadiene	U		0.000376	0.00110	1	03/29/2018 18:36	WG1091141
2-Hexanone	U		0.00151	0.0110	1	03/29/2018 18:36	WG1091141
n-Hexane	U		0.000319	0.0110	1	03/29/2018 18:36	WG1091141
Iodomethane	U		0.00278	0.0110	1	03/29/2018 18:36	WG1091141
Isopropylbenzene	U		0.000267	0.00110	1	03/29/2018 18:36	WG1091141
p-Isopropyltoluene	U		0.000224	0.00110	1	03/29/2018 18:36	WG1091141
2-Butanone (MEK)	U		0.00514	0.0110	1	03/29/2018 18:36	WG1091141
Methylene Chloride	U		0.00110	0.00550	1	03/29/2018 18:36	WG1091141
4-Methyl-2-pentanone (MIBK)	U		0.00207	0.0110	1	03/29/2018 18:36	WG1091141

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000233	0.00110	1	03/29/2018 18:36	WG1091141
Naphthalene	U		0.00110	0.00550	1	03/29/2018 18:36	WG1091141
n-Propylbenzene	U		0.000226	0.00110	1	03/29/2018 18:36	WG1091141
Styrene	U		0.000257	0.00110	1	03/29/2018 18:36	WG1091141
1,1,1,2-Tetrachloroethane	U		0.000290	0.00110	1	03/29/2018 18:36	WG1091141
1,1,2,2-Tetrachloroethane	U		0.000401	0.00110	1	03/29/2018 18:36	WG1091141
1,1,2-Trichlorotrifluoroethane	U		0.000401	0.00110	1	03/29/2018 18:36	WG1091141
Tetrachloroethene	0.0158		0.000303	0.00110	1	03/29/2018 18:36	WG1091141
Toluene	U		0.000477	0.00550	1	03/29/2018 18:36	WG1091141
1,2,3-Trichlorobenzene	U		0.000336	0.00110	1	03/29/2018 18:36	WG1091141
1,2,4-Trichlorobenzene	U		0.000427	0.00110	1	03/29/2018 18:36	WG1091141
1,1,1-Trichloroethane	U		0.000314	0.00110	1	03/29/2018 18:36	WG1091141
1,1,2-Trichloroethane	U		0.000305	0.00110	1	03/29/2018 18:36	WG1091141
Trichloroethene	0.000853 J	J	0.000307	0.00110	1	03/29/2018 18:36	WG1091141
Trichlorofluoromethane	U		0.000420	0.00550	1	03/29/2018 18:36	WG1091141
1,2,3-Trichloropropane	U		0.000815	0.00275	1	03/29/2018 18:36	WG1091141
1,2,4-Trimethylbenzene	U		0.000232	0.00110	1	03/29/2018 18:36	WG1091141
1,2,3-Trimethylbenzene	U		0.000315	0.00110	1	03/29/2018 18:36	WG1091141
1,3,5-Trimethylbenzene	U		0.000292	0.00110	1	03/29/2018 18:36	WG1091141
Vinyl acetate	U		0.00263	0.0110	1	03/29/2018 18:36	WG1091141
Vinyl chloride	0.00248		0.000320	0.00110	1	03/29/2018 18:36	WG1091141
Xylenes, Total	U		0.000767	0.00330	1	03/29/2018 18:36	WG1091141
(S) Toluene-d8	*98.8*			*80.0-120*		*03/29/2018 18:36*	WG1091141
(S) Dibromofluoromethane	*104*			*74.0-131*		*03/29/2018 18:36*	WG1091141
(S) 4-Bromofluorobenzene	*106*			*64.0-132*		*03/29/2018 18:36*	WG1091141

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	88.9		1	03/30/2018 14:01	WG1091416

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0112	0.0562	1	03/29/2018 18:57	WG1091141
Acrylonitrile	U		0.00201	0.0112	1	03/29/2018 18:57	WG1091141
Benzene	U		0.000304	0.00112	1	03/29/2018 18:57	WG1091141
Bromobenzene	U		0.000319	0.00112	1	03/29/2018 18:57	WG1091141
Bromodichloromethane	U		0.000286	0.00112	1	03/29/2018 18:57	WG1091141
Bromochloromethane	U		0.000439	0.00562	1	03/29/2018 18:57	WG1091141
Bromoform	U		0.000477	0.00112	1	03/29/2018 18:57	WG1091141
Bromomethane	U		0.00151	0.00562	1	03/29/2018 18:57	WG1091141
n-Butylbenzene	U		0.000290	0.00112	1	03/29/2018 18:57	WG1091141
sec-Butylbenzene	U		0.000226	0.00112	1	03/29/2018 18:57	WG1091141
tert-Butylbenzene	U		0.000232	0.00112	1	03/29/2018 18:57	WG1091141
Carbon disulfide	0.00256		0.000249	0.00112	1	03/29/2018 18:57	WG1091141
Carbon tetrachloride	U		0.000369	0.00112	1	03/29/2018 18:57	WG1091141
Chlorobenzene	U		0.000238	0.00112	1	03/29/2018 18:57	WG1091141
Chlorodibromomethane	U		0.000419	0.00112	1	03/29/2018 18:57	WG1091141
Chloroethane	U		0.00106	0.00562	1	03/29/2018 18:57	WG1091141
Chloroform	U		0.000258	0.00562	1	03/29/2018 18:57	WG1091141
Chloromethane	U		0.000422	0.00281	1	03/29/2018 18:57	WG1091141
2-Chlorotoluene	U		0.000339	0.00112	1	03/29/2018 18:57	WG1091141
4-Chlorotoluene	U		0.000270	0.00112	1	03/29/2018 18:57	WG1091141
1,2-Dibromo-3-Chloropropane	U		0.00118	0.00562	1	03/29/2018 18:57	WG1091141
1,2-Dibromoethane	U		0.000386	0.00112	1	03/29/2018 18:57	WG1091141
Dibromomethane	U		0.000430	0.00112	1	03/29/2018 18:57	WG1091141
1,2-Dichlorobenzene	U		0.000343	0.00112	1	03/29/2018 18:57	WG1091141
1,3-Dichlorobenzene	U		0.000269	0.00112	1	03/29/2018 18:57	WG1091141
1,4-Dichlorobenzene	U		0.000254	0.00112	1	03/29/2018 18:57	WG1091141
Dichlorodifluoromethane	U	UJ J0	0.000802	0.00562	1	03/29/2018 18:57	WG1091141
1,1-Dichloroethane	U		0.000224	0.00112	1	03/29/2018 18:57	WG1091141
1,2-Dichloroethane	U		0.000298	0.00112	1	03/29/2018 18:57	WG1091141
1,1-Dichloroethene	0.0121		0.000341	0.00112	1	03/29/2018 18:57	WG1091141
cis-1,2-Dichloroethene	0.0303		0.000264	0.00112	1	03/29/2018 18:57	WG1091141
trans-1,2-Dichloroethene	0.000968	J J	0.000297	0.00112	1	03/29/2018 18:57	WG1091141
1,2-Dichloropropane	U		0.000403	0.00112	1	03/29/2018 18:57	WG1091141
1,1-Dichloropropene	U		0.000357	0.00112	1	03/29/2018 18:57	WG1091141
1,3-Dichloropropane	U		0.000233	0.00112	1	03/29/2018 18:57	WG1091141
cis-1,3-Dichloropropene	U		0.000295	0.00112	1	03/29/2018 18:57	WG1091141
trans-1,3-Dichloropropene	U		0.000300	0.00112	1	03/29/2018 18:57	WG1091141
trans-1,4-Dichloro-2-butene	U		0.000875	0.00281	1	03/29/2018 18:57	WG1091141
2,2-Dichloropropane	U		0.000314	0.00112	1	03/29/2018 18:57	WG1091141
Di-isopropyl ether	U		0.000279	0.00112	1	03/29/2018 18:57	WG1091141
Ethylbenzene	U		0.000334	0.00112	1	03/29/2018 18:57	WG1091141
Hexachloro-1,3-butadiene	U		0.000385	0.00112	1	03/29/2018 18:57	WG1091141
2-Hexanone	U		0.00154	0.0112	1	03/29/2018 18:57	WG1091141
n-Hexane	0.000476	J J	0.000326	0.0112	1	03/29/2018 18:57	WG1091141
Iodomethane	U		0.00285	0.0112	1	03/29/2018 18:57	WG1091141
Isopropylbenzene	U		0.000273	0.00112	1	03/29/2018 18:57	WG1091141
p-Isopropyltoluene	U		0.000229	0.00112	1	03/29/2018 18:57	WG1091141
2-Butanone (MEK)	U		0.00526	0.0112	1	03/29/2018 18:57	WG1091141
Methylene Chloride	U		0.00112	0.00562	1	03/29/2018 18:57	WG1091141
4-Methyl-2-pentanone (MIBK)	U		0.00211	0.0112	1	03/29/2018 18:57	WG1091141

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000238	0.00112	1	03/29/2018 18:57	WG1091141
Naphthalene	U		0.00112	0.00562	1	03/29/2018 18:57	WG1091141
n-Propylbenzene	U		0.000232	0.00112	1	03/29/2018 18:57	WG1091141
Styrene	U		0.000263	0.00112	1	03/29/2018 18:57	WG1091141
1,1,1,2-Tetrachloroethane	U		0.000297	0.00112	1	03/29/2018 18:57	WG1091141
1,1,2,2-Tetrachloroethane	U		0.000410	0.00112	1	03/29/2018 18:57	WG1091141
1,1,2-Trichlorotrifluoroethane	U		0.000410	0.00112	1	03/29/2018 18:57	WG1091141
Tetrachloroethene	24.4		0.310	1.12	1000	04/01/2018 13:59	WG1091141
Toluene	U		0.000488	0.00562	1	03/29/2018 18:57	WG1091141
1,2,3-Trichlorobenzene	U		0.000344	0.00112	1	03/29/2018 18:57	WG1091141
1,2,4-Trichlorobenzene	U		0.000436	0.00112	1	03/29/2018 18:57	WG1091141
1,1,1-Trichloroethane	U		0.000322	0.00112	1	03/29/2018 18:57	WG1091141
1,1,2-Trichloroethane	U		0.000312	0.00112	1	03/29/2018 18:57	WG1091141
Trichloroethene	0.932		0.0314	0.112	100	03/31/2018 02:26	WG1091141
Trichlorofluoromethane	U		0.000430	0.00562	1	03/29/2018 18:57	WG1091141
1,2,3-Trichloropropane	U		0.000833	0.00281	1	03/29/2018 18:57	WG1091141
1,2,4-Trimethylbenzene	U		0.000237	0.00112	1	03/29/2018 18:57	WG1091141
1,2,3-Trimethylbenzene	U		0.000323	0.00112	1	03/29/2018 18:57	WG1091141
1,3,5-Trimethylbenzene	U		0.000299	0.00112	1	03/29/2018 18:57	WG1091141
Vinyl acetate	U		0.00269	0.0112	1	03/29/2018 18:57	WG1091141
Vinyl chloride	0.00760		0.000327	0.00112	1	03/29/2018 18:57	WG1091141
Xylenes, Total	U		0.000785	0.00337	1	03/29/2018 18:57	WG1091141
(S) Toluene-d8	*102*			*80.0-120*		*03/29/2018 18:57*	WG1091141
(S) Toluene-d8	*110*			*80.0-120*		*04/01/2018 13:59*	WG1091141
(S) Toluene-d8	*106*			*80.0-120*		*03/31/2018 02:26*	WG1091141
(S) Dibromofluoromethane	*97.1*			*74.0-131*		*03/31/2018 02:26*	WG1091141
(S) Dibromofluoromethane	*103*			*74.0-131*		*03/29/2018 18:57*	WG1091141
(S) Dibromofluoromethane	*98.3*			*74.0-131*		*04/01/2018 13:59*	WG1091141
(S) 4-Bromofluorobenzene	*102*			*64.0-132*		*03/31/2018 02:26*	WG1091141
(S) 4-Bromofluorobenzene	*106*			*64.0-132*		*03/29/2018 18:57*	WG1091141
(S) 4-Bromofluorobenzene	*101*			*64.0-132*		*04/01/2018 13:59*	WG1091141

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	91.5		1	03/30/2018 13:23	WG1091466

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0109	0.0546	1	03/29/2018 19:18	WG1091141
Acrylonitrile	U		0.00196	0.0109	1	03/29/2018 19:18	WG1091141
Benzene	U		0.000295	0.00109	1	03/29/2018 19:18	WG1091141
Bromobenzene	U		0.000310	0.00109	1	03/29/2018 19:18	WG1091141
Bromodichloromethane	U		0.000277	0.00109	1	03/29/2018 19:18	WG1091141
Bromochloromethane	U		0.000426	0.00546	1	03/29/2018 19:18	WG1091141
Bromoform	U		0.000463	0.00109	1	03/29/2018 19:18	WG1091141
Bromomethane	U		0.00146	0.00546	1	03/29/2018 19:18	WG1091141
n-Butylbenzene	U		0.000282	0.00109	1	03/29/2018 19:18	WG1091141
sec-Butylbenzene	U		0.000220	0.00109	1	03/29/2018 19:18	WG1091141
tert-Butylbenzene	U		0.000225	0.00109	1	03/29/2018 19:18	WG1091141
Carbon disulfide	0.00138		0.000241	0.00109	1	03/29/2018 19:18	WG1091141
Carbon tetrachloride	U		0.000358	0.00109	1	03/29/2018 19:18	WG1091141
Chlorobenzene	U		0.000232	0.00109	1	03/29/2018 19:18	WG1091141
Chlorodibromomethane	U		0.000407	0.00109	1	03/29/2018 19:18	WG1091141
Chloroethane	U		0.00103	0.00546	1	03/29/2018 19:18	WG1091141
Chloroform	U		0.000250	0.00546	1	03/29/2018 19:18	WG1091141
Chloromethane	U		0.000410	0.00273	1	03/29/2018 19:18	WG1091141
2-Chlorotoluene	U		0.000329	0.00109	1	03/29/2018 19:18	WG1091141
4-Chlorotoluene	U		0.000262	0.00109	1	03/29/2018 19:18	WG1091141
1,2-Dibromo-3-Chloropropane	U		0.00115	0.00546	1	03/29/2018 19:18	WG1091141
1,2-Dibromoethane	U		0.000375	0.00109	1	03/29/2018 19:18	WG1091141
Dibromomethane	U		0.000417	0.00109	1	03/29/2018 19:18	WG1091141
1,2-Dichlorobenzene	U		0.000333	0.00109	1	03/29/2018 19:18	WG1091141
1,3-Dichlorobenzene	U		0.000261	0.00109	1	03/29/2018 19:18	WG1091141
1,4-Dichlorobenzene	U		0.000247	0.00109	1	03/29/2018 19:18	WG1091141
Dichlorodifluoromethane	U		0.000779	0.00546	1	03/29/2018 19:18	WG1091141
1,1-Dichloroethane	U		0.000217	0.00109	1	03/29/2018 19:18	WG1091141
1,2-Dichloroethane	U		0.000289	0.00109	1	03/29/2018 19:18	WG1091141
1,1-Dichloroethene	U		0.000331	0.00109	1	03/29/2018 19:18	WG1091141
cis-1,2-Dichloroethene	0.00820		0.000257	0.00109	1	03/29/2018 19:18	WG1091141
trans-1,2-Dichloroethene	U		0.000288	0.00109	1	03/29/2018 19:18	WG1091141
1,2-Dichloropropane	U		0.000391	0.00109	1	03/29/2018 19:18	WG1091141
1,1-Dichloropropene	U		0.000346	0.00109	1	03/29/2018 19:18	WG1091141
1,3-Dichloropropane	U		0.000226	0.00109	1	03/29/2018 19:18	WG1091141
cis-1,3-Dichloropropene	U		0.000286	0.00109	1	03/29/2018 19:18	WG1091141
trans-1,3-Dichloropropene	U		0.000292	0.00109	1	03/29/2018 19:18	WG1091141
trans-1,4-Dichloro-2-butene	U		0.000850	0.00273	1	03/29/2018 19:18	WG1091141
2,2-Dichloropropane	U		0.000305	0.00109	1	03/29/2018 19:18	WG1091141
Di-isopropyl ether	U		0.000271	0.00109	1	03/29/2018 19:18	WG1091141
Ethylbenzene	U		0.000324	0.00109	1	03/29/2018 19:18	WG1091141
Hexachloro-1,3-butadiene	U		0.000374	0.00109	1	03/29/2018 19:18	WG1091141
2-Hexanone	U		0.00150	0.0109	1	03/29/2018 19:18	WG1091141
n-Hexane	U		0.000317	0.0109	1	03/29/2018 19:18	WG1091141
Iodomethane	U		0.00276	0.0109	1	03/29/2018 19:18	WG1091141
Isopropylbenzene	U		0.000265	0.00109	1	03/29/2018 19:18	WG1091141
p-Isopropyltoluene	U		0.000223	0.00109	1	03/29/2018 19:18	WG1091141
2-Butanone (MEK)	U		0.00511	0.0109	1	03/29/2018 19:18	WG1091141
Methylene Chloride	U		0.00109	0.00546	1	03/29/2018 19:18	WG1091141
4-Methyl-2-pentanone (MIBK)	U		0.00205	0.0109	1	03/29/2018 19:18	WG1091141

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000232	0.00109	1	03/29/2018 19:18	WG1091141
Naphthalene	U		0.00109	0.00546	1	03/29/2018 19:18	WG1091141
n-Propylbenzene	U		0.000225	0.00109	1	03/29/2018 19:18	WG1091141
Styrene	U		0.000256	0.00109	1	03/29/2018 19:18	WG1091141
1,1,1,2-Tetrachloroethane	U		0.000288	0.00109	1	03/29/2018 19:18	WG1091141
1,1,2,2-Tetrachloroethane	U		0.000399	0.00109	1	03/29/2018 19:18	WG1091141
1,1,2-Trichlorotrifluoroethane	U		0.000399	0.00109	1	03/29/2018 19:18	WG1091141
Tetrachloroethene	0.00302		0.000302	0.00109	1	04/01/2018 13:35	WG1091141
Toluene	U		0.000474	0.00546	1	03/29/2018 19:18	WG1091141
1,2,3-Trichlorobenzene	U		0.000334	0.00109	1	03/29/2018 19:18	WG1091141
1,2,4-Trichlorobenzene	U		0.000424	0.00109	1	03/29/2018 19:18	WG1091141
1,1,1-Trichloroethane	U		0.000312	0.00109	1	03/29/2018 19:18	WG1091141
1,1,2-Trichloroethane	U		0.000303	0.00109	1	03/29/2018 19:18	WG1091141
Trichloroethene	0.00122		0.000305	0.00109	1	03/31/2018 02:47	WG1091141
Trichlorofluoromethane	U		0.000417	0.00546	1	03/29/2018 19:18	WG1091141
1,2,3-Trichloropropane	U		0.000809	0.00273	1	03/29/2018 19:18	WG1091141
1,2,4-Trimethylbenzene	U		0.000231	0.00109	1	03/29/2018 19:18	WG1091141
1,2,3-Trimethylbenzene	U		0.000314	0.00109	1	03/29/2018 19:18	WG1091141
1,3,5-Trimethylbenzene	U		0.000291	0.00109	1	03/29/2018 19:18	WG1091141
Vinyl acetate	U		0.00261	0.0109	1	03/29/2018 19:18	WG1091141
Vinyl chloride	U		0.000318	0.00109	1	03/29/2018 19:18	WG1091141
Xylenes, Total	U		0.000763	0.00328	1	03/29/2018 19:18	WG1091141
(S) Toluene-d8	*101*			*80.0-120*		*03/31/2018 02:47*	WG1091141
(S) Toluene-d8	*100*			*80.0-120*		*04/01/2018 13:35*	WG1091141
(S) Toluene-d8	*99.7*			*80.0-120*		*03/29/2018 19:18*	WG1091141
(S) Dibromofluoromethane	*106*			*74.0-131*		*04/01/2018 13:35*	WG1091141
(S) Dibromofluoromethane	*106*			*74.0-131*		*03/29/2018 19:18*	WG1091141
(S) Dibromofluoromethane	*104*			*74.0-131*		*03/31/2018 02:47*	WG1091141
(S) 4-Bromofluorobenzene	*104*			*64.0-132*		*03/29/2018 19:18*	WG1091141
(S) 4-Bromofluorobenzene	*106*			*64.0-132*		*04/01/2018 13:35*	WG1091141
(S) 4-Bromofluorobenzene	*106*			*64.0-132*		*03/31/2018 02:47*	WG1091141

ANALYTICAL REPORT

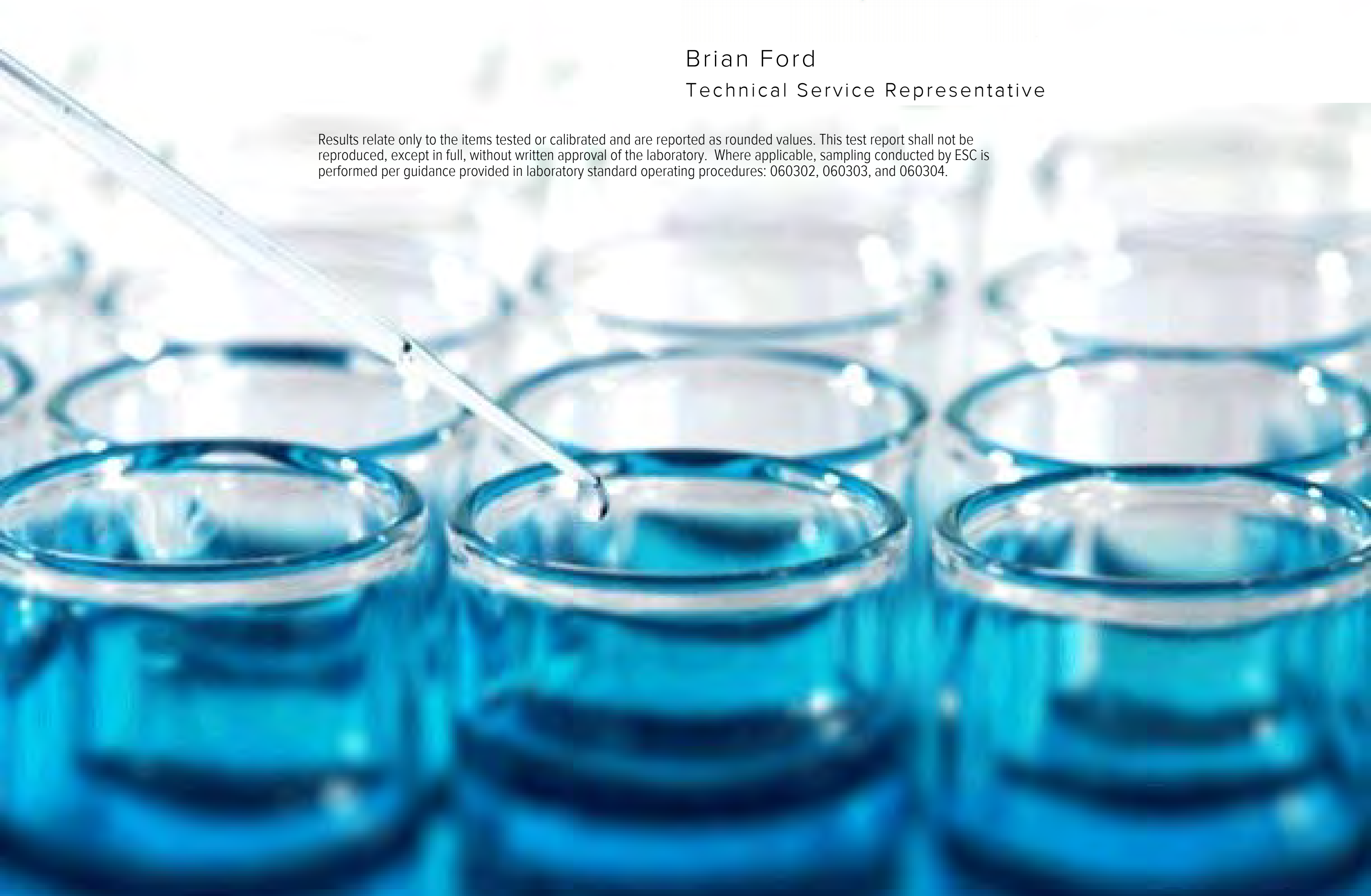
April 02, 2018

PES Environmental, Inc.- WA

Sample Delivery Group:	L980719
Samples Received:	03/26/2018
Project Number:	1413.001.05.304
Description:	American Linen Supply Project
Report To:	Brian O'Neal/Bill Haldeman 1215 Fourth Ave., Suite 1350 Seattle, WA 98161

Entire Report Reviewed By: Brian Ford

Brian Ford
Technical Service Representative



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IW-47B-25 L980719-01 Solid

Collected by	Collected date/time	Received date/time
Dan Johnson	03/22/18 11:34	03/26/18 10:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1091656	1	03/30/18 14:45	03/30/18 15:16	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1091141	1	03/22/18 11:34	03/29/18 19:40	ACG

IW-47B-30 L980719-02 Solid

Collected by	Collected date/time	Received date/time
Dan Johnson	03/22/18 11:40	03/26/18 10:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1091656	1	03/30/18 14:45	03/30/18 15:16	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1091141	1	03/22/18 11:40	03/29/18 20:01	ACG

IW-47B-35 L980719-03 Solid

Collected by	Collected date/time	Received date/time
Dan Johnson	03/22/18 12:01	03/26/18 10:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1091656	1	03/30/18 14:45	03/30/18 15:16	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1091141	1	03/22/18 12:01	03/29/18 20:23	ACG

IW-47B-40 L980719-04 Solid

Collected by	Collected date/time	Received date/time
Dan Johnson	03/22/18 12:16	03/26/18 10:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1091656	1	03/30/18 14:45	03/30/18 15:16	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1091141	1	03/22/18 12:16	03/29/18 20:44	ACG

IW-47B-42 L980719-05 Solid

Collected by	Collected date/time	Received date/time
Dan Johnson	03/22/18 13:13	03/26/18 10:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1091656	1	03/30/18 14:45	03/30/18 15:16	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1091141	1.13	03/22/18 13:13	03/29/18 21:05	ACG

IW-47B-45 L980719-06 Solid

Collected by	Collected date/time	Received date/time
Dan Johnson	03/22/18 13:20	03/26/18 10:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1091656	1	03/30/18 14:45	03/30/18 15:16	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1091141	1	03/22/18 13:20	03/29/18 21:26	ACG
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1091141	200	03/22/18 13:20	03/31/18 03:08	ACG

IW-47B-50 L980719-07 Solid

Collected by	Collected date/time	Received date/time
Dan Johnson	03/22/18 13:31	03/26/18 10:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1091656	1	03/30/18 14:45	03/30/18 15:16	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1091141	1	03/22/18 13:31	03/29/18 21:47	ACG

IW-47B-55 L980719-08 Solid

Collected by	Collected date/time	Received date/time
Dan Johnson	03/22/18 13:43	03/26/18 10:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1091656	1	03/30/18 14:45	03/30/18 15:16	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1091310	1	03/22/18 13:43	03/30/18 02:02	BMB
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1091310	100	03/22/18 13:43	04/01/18 16:47	ACG

IW-47B-60 L980719-09 Solid

Collected by	Collected date/time	Received date/time
Dan Johnson	03/22/18 13:56	03/26/18 10:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1091657	1	03/30/18 17:00	03/30/18 17:11	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1091310	1	03/22/18 13:56	03/30/18 02:23	BMB
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1091310	50	03/22/18 13:56	04/01/18 17:08	ACG

IW-47B-65 L980719-10 Solid

Collected by	Collected date/time	Received date/time
Dan Johnson	03/22/18 14:17	03/26/18 10:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1091657	1	03/30/18 17:00	03/30/18 17:11	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1091310	1	03/22/18 14:17	03/30/18 02:44	BMB

IW-47B-70 L980719-11 Solid

Collected by	Collected date/time	Received date/time
Dan Johnson	03/22/18 14:29	03/26/18 10:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1091657	1	03/30/18 17:00	03/30/18 17:11	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1091310	1	03/22/18 14:29	03/30/18 03:05	BMB
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1091310	200	03/22/18 14:29	04/01/18 17:30	ACG

IW-47B-75 L980719-12 Solid

Collected by	Collected date/time	Received date/time
Dan Johnson	03/22/18 14:47	03/26/18 10:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1091657	1	03/30/18 17:00	03/30/18 17:11	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1091310	1	03/22/18 14:47	03/30/18 03:26	BMB
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1091310	1	03/22/18 14:47	04/01/18 14:41	ACG

TRIP BLANK L980719-14 GW

Collected by	Collected date/time	Received date/time
Dan Johnson	03/22/18 00:00	03/26/18 10:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1090417	1	03/28/18 11:44	03/28/18 11:44	BMB

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All radiochemical sample results for solids are reported on a dry weight basis with the exception of tritium, carbon-14 and radon, unless wet weight was requested by the client. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Brian Ford

Brian Ford
Technical Service Representative

Sample Handling and Receiving

The following sample(s) were received at greater than 6 degrees C.

ESC Sample ID	Project Sample ID	Method
L980719-01	IW-47B-25	8260C
L980719-02	IW-47B-30	8260C
L980719-03	IW-47B-35	8260C
L980719-04	IW-47B-40	8260C
L980719-05	IW-47B-42	8260C
L980719-06	IW-47B-45	8260C
L980719-07	IW-47B-50	8260C
L980719-08	IW-47B-55	8260C
L980719-09	IW-47B-60	8260C
L980719-10	IW-47B-65	8260C
L980719-11	IW-47B-70	8260C
L980719-12	IW-47B-75	8260C

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	88.4		1	03/30/2018 15:16	WG1091656

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0566	1	03/29/2018 19:40	WG1091141
Acrylonitrile	U		0.00203	0.0113	1	03/29/2018 19:40	WG1091141
Benzene	U		0.000305	0.00113	1	03/29/2018 19:40	WG1091141
Bromobenzene	U		0.000321	0.00113	1	03/29/2018 19:40	WG1091141
Bromodichloromethane	U		0.000287	0.00113	1	03/29/2018 19:40	WG1091141
Bromochloromethane	U		0.000441	0.00566	1	03/29/2018 19:40	WG1091141
Bromoform	U		0.000480	0.00113	1	03/29/2018 19:40	WG1091141
Bromomethane	U		0.00152	0.00566	1	03/29/2018 19:40	WG1091141
n-Butylbenzene	U		0.000292	0.00113	1	03/29/2018 19:40	WG1091141
sec-Butylbenzene	U		0.000227	0.00113	1	03/29/2018 19:40	WG1091141
tert-Butylbenzene	U		0.000233	0.00113	1	03/29/2018 19:40	WG1091141
Carbon disulfide	U		0.000250	0.00113	1	03/29/2018 19:40	WG1091141
Carbon tetrachloride	U		0.000371	0.00113	1	03/29/2018 19:40	WG1091141
Chlorobenzene	U		0.000240	0.00113	1	03/29/2018 19:40	WG1091141
Chlorodibromomethane	U		0.000422	0.00113	1	03/29/2018 19:40	WG1091141
Chloroethane	U		0.00107	0.00566	1	03/29/2018 19:40	WG1091141
Chloroform	U		0.000259	0.00566	1	03/29/2018 19:40	WG1091141
Chloromethane	U		0.000424	0.00283	1	03/29/2018 19:40	WG1091141
2-Chlorotoluene	U		0.000341	0.00113	1	03/29/2018 19:40	WG1091141
4-Chlorotoluene	U		0.000272	0.00113	1	03/29/2018 19:40	WG1091141
1,2-Dibromo-3-Chloropropane	U		0.00119	0.00566	1	03/29/2018 19:40	WG1091141
1,2-Dibromoethane	U		0.000388	0.00113	1	03/29/2018 19:40	WG1091141
Dibromomethane	U		0.000432	0.00113	1	03/29/2018 19:40	WG1091141
1,2-Dichlorobenzene	U		0.000345	0.00113	1	03/29/2018 19:40	WG1091141
1,3-Dichlorobenzene	U		0.000270	0.00113	1	03/29/2018 19:40	WG1091141
1,4-Dichlorobenzene	U		0.000256	0.00113	1	03/29/2018 19:40	WG1091141
Dichlorodifluoromethane	U	J0	0.000807	0.00566	1	03/29/2018 19:40	WG1091141
1,1-Dichloroethane	U		0.000225	0.00113	1	03/29/2018 19:40	WG1091141
1,2-Dichloroethane	U		0.000300	0.00113	1	03/29/2018 19:40	WG1091141
1,1-Dichloroethene	U		0.000343	0.00113	1	03/29/2018 19:40	WG1091141
cis-1,2-Dichloroethene	0.00859		0.000266	0.00113	1	03/29/2018 19:40	WG1091141
trans-1,2-Dichloroethene	U		0.000299	0.00113	1	03/29/2018 19:40	WG1091141
1,2-Dichloropropane	U		0.000405	0.00113	1	03/29/2018 19:40	WG1091141
1,1-Dichloropropene	U		0.000359	0.00113	1	03/29/2018 19:40	WG1091141
1,3-Dichloropropane	U		0.000234	0.00113	1	03/29/2018 19:40	WG1091141
cis-1,3-Dichloropropene	U		0.000296	0.00113	1	03/29/2018 19:40	WG1091141
trans-1,3-Dichloropropene	U		0.000302	0.00113	1	03/29/2018 19:40	WG1091141
trans-1,4-Dichloro-2-butene	U		0.000880	0.00283	1	03/29/2018 19:40	WG1091141
2,2-Dichloropropane	U		0.000316	0.00113	1	03/29/2018 19:40	WG1091141
Di-isopropyl ether	U		0.000281	0.00113	1	03/29/2018 19:40	WG1091141
Ethylbenzene	U		0.000336	0.00113	1	03/29/2018 19:40	WG1091141
Hexachloro-1,3-butadiene	U		0.000387	0.00113	1	03/29/2018 19:40	WG1091141
2-Hexanone	U		0.00155	0.0113	1	03/29/2018 19:40	WG1091141
n-Hexane	U		0.000328	0.0113	1	03/29/2018 19:40	WG1091141
Iodomethane	U		0.00286	0.0113	1	03/29/2018 19:40	WG1091141
Isopropylbenzene	U		0.000275	0.00113	1	03/29/2018 19:40	WG1091141
p-Isopropyltoluene	U		0.000231	0.00113	1	03/29/2018 19:40	WG1091141
2-Butanone (MEK)	U		0.00530	0.0113	1	03/29/2018 19:40	WG1091141
Methylene Chloride	U		0.00113	0.00566	1	03/29/2018 19:40	WG1091141
4-Methyl-2-pentanone (MIBK)	U		0.00213	0.0113	1	03/29/2018 19:40	WG1091141

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000240	0.00113	1	03/29/2018 19:40	WG1091141
Naphthalene	U		0.00113	0.00566	1	03/29/2018 19:40	WG1091141
n-Propylbenzene	U		0.000233	0.00113	1	03/29/2018 19:40	WG1091141
Styrene	U		0.000265	0.00113	1	03/29/2018 19:40	WG1091141
1,1,1,2-Tetrachloroethane	U		0.000299	0.00113	1	03/29/2018 19:40	WG1091141
1,1,2,2-Tetrachloroethane	U		0.000413	0.00113	1	03/29/2018 19:40	WG1091141
1,1,2-Trichlorotrifluoroethane	U		0.000413	0.00113	1	03/29/2018 19:40	WG1091141
Tetrachloroethene	0.0435		0.000312	0.00113	1	03/29/2018 19:40	WG1091141
Toluene	U		0.000491	0.00566	1	03/29/2018 19:40	WG1091141
1,2,3-Trichlorobenzene	U		0.000346	0.00113	1	03/29/2018 19:40	WG1091141
1,2,4-Trichlorobenzene	U		0.000439	0.00113	1	03/29/2018 19:40	WG1091141
1,1,1-Trichloroethane	U		0.000324	0.00113	1	03/29/2018 19:40	WG1091141
1,1,2-Trichloroethane	U		0.000313	0.00113	1	03/29/2018 19:40	WG1091141
Trichloroethene	0.00663		0.000316	0.00113	1	03/29/2018 19:40	WG1091141
Trichlorofluoromethane	U		0.000432	0.00566	1	03/29/2018 19:40	WG1091141
1,2,3-Trichloropropane	U		0.000838	0.00283	1	03/29/2018 19:40	WG1091141
1,2,4-Trimethylbenzene	U		0.000239	0.00113	1	03/29/2018 19:40	WG1091141
1,2,3-Trimethylbenzene	U		0.000325	0.00113	1	03/29/2018 19:40	WG1091141
1,3,5-Trimethylbenzene	U		0.000301	0.00113	1	03/29/2018 19:40	WG1091141
Vinyl acetate	U		0.00270	0.0113	1	03/29/2018 19:40	WG1091141
Vinyl chloride	U		0.000329	0.00113	1	03/29/2018 19:40	WG1091141
Xylenes, Total	U		0.000790	0.00339	1	03/29/2018 19:40	WG1091141
(S) Toluene-d8	*99.6*			*80.0-120*		*03/29/2018 19:40*	WG1091141
(S) Dibromofluoromethane	*108*			*74.0-131*		*03/29/2018 19:40*	WG1091141
(S) 4-Bromofluorobenzene	*103*			*64.0-132*		*03/29/2018 19:40*	WG1091141

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	89.2		1	03/30/2018 15:16	WG1091656

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.0166	J	0.0112	0.0561	1	03/29/2018 20:01	WG1091141
Acrylonitrile	U		0.00201	0.0112	1	03/29/2018 20:01	WG1091141
Benzene	U		0.000303	0.00112	1	03/29/2018 20:01	WG1091141
Bromobenzene	U		0.000318	0.00112	1	03/29/2018 20:01	WG1091141
Bromodichloromethane	U		0.000285	0.00112	1	03/29/2018 20:01	WG1091141
Bromochloromethane	U		0.000437	0.00561	1	03/29/2018 20:01	WG1091141
Bromoform	U		0.000475	0.00112	1	03/29/2018 20:01	WG1091141
Bromomethane	U		0.00150	0.00561	1	03/29/2018 20:01	WG1091141
n-Butylbenzene	U		0.000289	0.00112	1	03/29/2018 20:01	WG1091141
sec-Butylbenzene	U		0.000225	0.00112	1	03/29/2018 20:01	WG1091141
tert-Butylbenzene	U		0.000231	0.00112	1	03/29/2018 20:01	WG1091141
Carbon disulfide	0.000846	J	0.000248	0.00112	1	03/29/2018 20:01	WG1091141
Carbon tetrachloride	U		0.000368	0.00112	1	03/29/2018 20:01	WG1091141
Chlorobenzene	U		0.000238	0.00112	1	03/29/2018 20:01	WG1091141
Chlorodibromomethane	U		0.000418	0.00112	1	03/29/2018 20:01	WG1091141
Chloroethane	U		0.00106	0.00561	1	03/29/2018 20:01	WG1091141
Chloroform	U		0.000257	0.00561	1	03/29/2018 20:01	WG1091141
Chloromethane	U		0.000420	0.00280	1	03/29/2018 20:01	WG1091141
2-Chlorotoluene	U		0.000337	0.00112	1	03/29/2018 20:01	WG1091141
4-Chlorotoluene	U		0.000269	0.00112	1	03/29/2018 20:01	WG1091141
1,2-Dibromo-3-Chloropropane	U		0.00118	0.00561	1	03/29/2018 20:01	WG1091141
1,2-Dibromoethane	U		0.000385	0.00112	1	03/29/2018 20:01	WG1091141
Dibromomethane	U		0.000428	0.00112	1	03/29/2018 20:01	WG1091141
1,2-Dichlorobenzene	U		0.000342	0.00112	1	03/29/2018 20:01	WG1091141
1,3-Dichlorobenzene	U		0.000268	0.00112	1	03/29/2018 20:01	WG1091141
1,4-Dichlorobenzene	U		0.000253	0.00112	1	03/29/2018 20:01	WG1091141
Dichlorodifluoromethane	U	J0	0.000799	0.00561	1	03/29/2018 20:01	WG1091141
1,1-Dichloroethane	U		0.000223	0.00112	1	03/29/2018 20:01	WG1091141
1,2-Dichloroethane	U		0.000297	0.00112	1	03/29/2018 20:01	WG1091141
1,1-Dichloroethene	0.000571	J	0.000340	0.00112	1	03/29/2018 20:01	WG1091141
cis-1,2-Dichloroethene	0.146		0.000263	0.00112	1	03/29/2018 20:01	WG1091141
trans-1,2-Dichloroethene	0.000962	J	0.000296	0.00112	1	03/29/2018 20:01	WG1091141
1,2-Dichloropropane	U		0.000401	0.00112	1	03/29/2018 20:01	WG1091141
1,1-Dichloropropene	U		0.000355	0.00112	1	03/29/2018 20:01	WG1091141
1,3-Dichloropropane	U		0.000232	0.00112	1	03/29/2018 20:01	WG1091141
cis-1,3-Dichloropropene	U		0.000294	0.00112	1	03/29/2018 20:01	WG1091141
trans-1,3-Dichloropropene	U		0.000299	0.00112	1	03/29/2018 20:01	WG1091141
trans-1,4-Dichloro-2-butene	U		0.000872	0.00280	1	03/29/2018 20:01	WG1091141
2,2-Dichloropropane	U		0.000313	0.00112	1	03/29/2018 20:01	WG1091141
Di-isopropyl ether	U		0.000278	0.00112	1	03/29/2018 20:01	WG1091141
Ethylbenzene	U		0.000333	0.00112	1	03/29/2018 20:01	WG1091141
Hexachloro-1,3-butadiene	U		0.000383	0.00112	1	03/29/2018 20:01	WG1091141
2-Hexanone	U		0.00154	0.0112	1	03/29/2018 20:01	WG1091141
n-Hexane	U		0.000325	0.0112	1	03/29/2018 20:01	WG1091141
Iodomethane	U		0.00284	0.0112	1	03/29/2018 20:01	WG1091141
Isopropylbenzene	U		0.000272	0.00112	1	03/29/2018 20:01	WG1091141
p-Isopropyltoluene	U		0.000229	0.00112	1	03/29/2018 20:01	WG1091141
2-Butanone (MEK)	0.0126		0.00525	0.0112	1	03/29/2018 20:01	WG1091141
Methylene Chloride	U		0.00112	0.00561	1	03/29/2018 20:01	WG1091141
4-Methyl-2-pentanone (MIBK)	U		0.00211	0.0112	1	03/29/2018 20:01	WG1091141

IW-47B-30

Collected date/time: 03/22/18 11:40

SAMPLE RESULTS - 02

L980719

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000238	0.00112	1	03/29/2018 20:01	WG1091141
Naphthalene	U		0.00112	0.00561	1	03/29/2018 20:01	WG1091141
n-Propylbenzene	U		0.000231	0.00112	1	03/29/2018 20:01	WG1091141
Styrene	U		0.000262	0.00112	1	03/29/2018 20:01	WG1091141
1,1,1,2-Tetrachloroethane	U		0.000296	0.00112	1	03/29/2018 20:01	WG1091141
1,1,2,2-Tetrachloroethane	U		0.000409	0.00112	1	03/29/2018 20:01	WG1091141
1,1,2-Trichlorotrifluoroethane	U		0.000409	0.00112	1	03/29/2018 20:01	WG1091141
Tetrachloroethene	0.00334		0.000309	0.00112	1	03/29/2018 20:01	WG1091141
Toluene	U		0.000487	0.00561	1	03/29/2018 20:01	WG1091141
1,2,3-Trichlorobenzene	U		0.000343	0.00112	1	03/29/2018 20:01	WG1091141
1,2,4-Trichlorobenzene	U		0.000435	0.00112	1	03/29/2018 20:01	WG1091141
1,1,1-Trichloroethane	U		0.000321	0.00112	1	03/29/2018 20:01	WG1091141
1,1,2-Trichloroethane	U		0.000311	0.00112	1	03/29/2018 20:01	WG1091141
Trichloroethene	0.00136		0.000313	0.00112	1	03/29/2018 20:01	WG1091141
Trichlorofluoromethane	U		0.000428	0.00561	1	03/29/2018 20:01	WG1091141
1,2,3-Trichloropropane	U		0.000831	0.00280	1	03/29/2018 20:01	WG1091141
1,2,4-Trimethylbenzene	U		0.000237	0.00112	1	03/29/2018 20:01	WG1091141
1,2,3-Trimethylbenzene	U		0.000322	0.00112	1	03/29/2018 20:01	WG1091141
1,3,5-Trimethylbenzene	U		0.000298	0.00112	1	03/29/2018 20:01	WG1091141
Vinyl acetate	U		0.00268	0.0112	1	03/29/2018 20:01	WG1091141
Vinyl chloride	U		0.000326	0.00112	1	03/29/2018 20:01	WG1091141
Xylenes, Total	U		0.000783	0.00336	1	03/29/2018 20:01	WG1091141
(S) Toluene-d8	*99.3*			*80.0-120*		*03/29/2018 20:01*	WG1091141
(S) Dibromofluoromethane	*104*			*74.0-131*		*03/29/2018 20:01*	WG1091141
(S) 4-Bromofluorobenzene	*105*			*64.0-132*		*03/29/2018 20:01*	WG1091141

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	90.9		1	03/30/2018 15:16	WG1091656

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.0184	J	0.0110	0.0550	1	03/29/2018 20:23	WG1091141
Acrylonitrile	U		0.00197	0.0110	1	03/29/2018 20:23	WG1091141
Benzene	U		0.000297	0.00110	1	03/29/2018 20:23	WG1091141
Bromobenzene	U		0.000312	0.00110	1	03/29/2018 20:23	WG1091141
Bromodichloromethane	U		0.000279	0.00110	1	03/29/2018 20:23	WG1091141
Bromochloromethane	U		0.000429	0.00550	1	03/29/2018 20:23	WG1091141
Bromoform	U		0.000466	0.00110	1	03/29/2018 20:23	WG1091141
Bromomethane	U		0.00147	0.00550	1	03/29/2018 20:23	WG1091141
n-Butylbenzene	U		0.000284	0.00110	1	03/29/2018 20:23	WG1091141
sec-Butylbenzene	U		0.000221	0.00110	1	03/29/2018 20:23	WG1091141
tert-Butylbenzene	U		0.000227	0.00110	1	03/29/2018 20:23	WG1091141
Carbon disulfide	0.00108	J	0.000243	0.00110	1	03/29/2018 20:23	WG1091141
Carbon tetrachloride	U		0.000361	0.00110	1	03/29/2018 20:23	WG1091141
Chlorobenzene	U		0.000233	0.00110	1	03/29/2018 20:23	WG1091141
Chlorodibromomethane	U		0.000410	0.00110	1	03/29/2018 20:23	WG1091141
Chloroethane	U		0.00104	0.00550	1	03/29/2018 20:23	WG1091141
Chloroform	U		0.000252	0.00550	1	03/29/2018 20:23	WG1091141
Chloromethane	U		0.000412	0.00275	1	03/29/2018 20:23	WG1091141
2-Chlorotoluene	U		0.000331	0.00110	1	03/29/2018 20:23	WG1091141
4-Chlorotoluene	U		0.000264	0.00110	1	03/29/2018 20:23	WG1091141
1,2-Dibromo-3-Chloropropane	U		0.00115	0.00550	1	03/29/2018 20:23	WG1091141
1,2-Dibromoethane	U		0.000377	0.00110	1	03/29/2018 20:23	WG1091141
Dibromomethane	U		0.000420	0.00110	1	03/29/2018 20:23	WG1091141
1,2-Dichlorobenzene	U		0.000335	0.00110	1	03/29/2018 20:23	WG1091141
1,3-Dichlorobenzene	U		0.000263	0.00110	1	03/29/2018 20:23	WG1091141
1,4-Dichlorobenzene	U		0.000249	0.00110	1	03/29/2018 20:23	WG1091141
Dichlorodifluoromethane	U	J0	0.000784	0.00550	1	03/29/2018 20:23	WG1091141
1,1-Dichloroethane	U		0.000219	0.00110	1	03/29/2018 20:23	WG1091141
1,2-Dichloroethane	U		0.000291	0.00110	1	03/29/2018 20:23	WG1091141
1,1-Dichloroethene	U		0.000333	0.00110	1	03/29/2018 20:23	WG1091141
cis-1,2-Dichloroethene	0.00566		0.000258	0.00110	1	03/29/2018 20:23	WG1091141
trans-1,2-Dichloroethene	U		0.000290	0.00110	1	03/29/2018 20:23	WG1091141
1,2-Dichloropropane	U		0.000394	0.00110	1	03/29/2018 20:23	WG1091141
1,1-Dichloropropene	U		0.000349	0.00110	1	03/29/2018 20:23	WG1091141
1,3-Dichloropropane	U		0.000228	0.00110	1	03/29/2018 20:23	WG1091141
cis-1,3-Dichloropropene	U		0.000288	0.00110	1	03/29/2018 20:23	WG1091141
trans-1,3-Dichloropropene	U		0.000294	0.00110	1	03/29/2018 20:23	WG1091141
trans-1,4-Dichloro-2-butene	U		0.000856	0.00275	1	03/29/2018 20:23	WG1091141
2,2-Dichloropropane	U		0.000307	0.00110	1	03/29/2018 20:23	WG1091141
Di-isopropyl ether	U		0.000273	0.00110	1	03/29/2018 20:23	WG1091141
Ethylbenzene	U		0.000327	0.00110	1	03/29/2018 20:23	WG1091141
Hexachloro-1,3-butadiene	U		0.000376	0.00110	1	03/29/2018 20:23	WG1091141
2-Hexanone	U		0.00151	0.0110	1	03/29/2018 20:23	WG1091141
n-Hexane	U		0.000319	0.0110	1	03/29/2018 20:23	WG1091141
Iodomethane	U		0.00278	0.0110	1	03/29/2018 20:23	WG1091141
Isopropylbenzene	U		0.000267	0.00110	1	03/29/2018 20:23	WG1091141
p-Isopropyltoluene	U		0.000224	0.00110	1	03/29/2018 20:23	WG1091141
2-Butanone (MEK)	U		0.00515	0.0110	1	03/29/2018 20:23	WG1091141
Methylene Chloride	U		0.00110	0.00550	1	03/29/2018 20:23	WG1091141
4-Methyl-2-pentanone (MIBK)	U		0.00207	0.0110	1	03/29/2018 20:23	WG1091141

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000233	0.00110	1	03/29/2018 20:23	WG1091141
Naphthalene	U		0.00110	0.00550	1	03/29/2018 20:23	WG1091141
n-Propylbenzene	U		0.000227	0.00110	1	03/29/2018 20:23	WG1091141
Styrene	U		0.000257	0.00110	1	03/29/2018 20:23	WG1091141
1,1,1,2-Tetrachloroethane	U		0.000290	0.00110	1	03/29/2018 20:23	WG1091141
1,1,2,2-Tetrachloroethane	U		0.000401	0.00110	1	03/29/2018 20:23	WG1091141
1,1,2-Trichlorotrifluoroethane	U		0.000401	0.00110	1	03/29/2018 20:23	WG1091141
Tetrachloroethene	0.00552		0.000304	0.00110	1	03/29/2018 20:23	WG1091141
Toluene	U		0.000477	0.00550	1	03/29/2018 20:23	WG1091141
1,2,3-Trichlorobenzene	U		0.000337	0.00110	1	03/29/2018 20:23	WG1091141
1,2,4-Trichlorobenzene	U		0.000427	0.00110	1	03/29/2018 20:23	WG1091141
1,1,1-Trichloroethane	U		0.000315	0.00110	1	03/29/2018 20:23	WG1091141
1,1,2-Trichloroethane	U		0.000305	0.00110	1	03/29/2018 20:23	WG1091141
Trichloroethene	0.00173		0.000307	0.00110	1	03/29/2018 20:23	WG1091141
Trichlorofluoromethane	U		0.000420	0.00550	1	03/29/2018 20:23	WG1091141
1,2,3-Trichloropropane	U		0.000815	0.00275	1	03/29/2018 20:23	WG1091141
1,2,4-Trimethylbenzene	U		0.000232	0.00110	1	03/29/2018 20:23	WG1091141
1,2,3-Trimethylbenzene	U		0.000316	0.00110	1	03/29/2018 20:23	WG1091141
1,3,5-Trimethylbenzene	U		0.000293	0.00110	1	03/29/2018 20:23	WG1091141
Vinyl acetate	U		0.00263	0.0110	1	03/29/2018 20:23	WG1091141
Vinyl chloride	U		0.000320	0.00110	1	03/29/2018 20:23	WG1091141
Xylenes, Total	U		0.000768	0.00330	1	03/29/2018 20:23	WG1091141
(S) Toluene-d8	*98.7*			*80.0-120*		*03/29/2018 20:23*	WG1091141
(S) Dibromofluoromethane	*103*			*74.0-131*		*03/29/2018 20:23*	WG1091141
(S) 4-Bromofluorobenzene	*104*			*64.0-132*		*03/29/2018 20:23*	WG1091141

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	88.1		1	03/30/2018 15:16	WG1091656

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.0221	J	0.0114	0.0568	1	03/29/2018 20:44	WG1091141
Acrylonitrile	U		0.00203	0.0114	1	03/29/2018 20:44	WG1091141
Benzene	U		0.000306	0.00114	1	03/29/2018 20:44	WG1091141
Bromobenzene	U		0.000322	0.00114	1	03/29/2018 20:44	WG1091141
Bromodichloromethane	U		0.000288	0.00114	1	03/29/2018 20:44	WG1091141
Bromochloromethane	U		0.000443	0.00568	1	03/29/2018 20:44	WG1091141
Bromoform	U		0.000481	0.00114	1	03/29/2018 20:44	WG1091141
Bromomethane	U		0.00152	0.00568	1	03/29/2018 20:44	WG1091141
n-Butylbenzene	U		0.000293	0.00114	1	03/29/2018 20:44	WG1091141
sec-Butylbenzene	U		0.000228	0.00114	1	03/29/2018 20:44	WG1091141
tert-Butylbenzene	U		0.000234	0.00114	1	03/29/2018 20:44	WG1091141
Carbon disulfide	0.00131		0.000251	0.00114	1	03/29/2018 20:44	WG1091141
Carbon tetrachloride	U		0.000372	0.00114	1	03/29/2018 20:44	WG1091141
Chlorobenzene	U		0.000241	0.00114	1	03/29/2018 20:44	WG1091141
Chlorodibromomethane	U		0.000423	0.00114	1	03/29/2018 20:44	WG1091141
Chloroethane	U		0.00107	0.00568	1	03/29/2018 20:44	WG1091141
Chloroform	U		0.000260	0.00568	1	03/29/2018 20:44	WG1091141
Chloromethane	U		0.000426	0.00284	1	03/29/2018 20:44	WG1091141
2-Chlorotoluene	U		0.000342	0.00114	1	03/29/2018 20:44	WG1091141
4-Chlorotoluene	U		0.000272	0.00114	1	03/29/2018 20:44	WG1091141
1,2-Dibromo-3-Chloropropane	U		0.00119	0.00568	1	03/29/2018 20:44	WG1091141
1,2-Dibromoethane	U		0.000389	0.00114	1	03/29/2018 20:44	WG1091141
Dibromomethane	U		0.000434	0.00114	1	03/29/2018 20:44	WG1091141
1,2-Dichlorobenzene	U		0.000346	0.00114	1	03/29/2018 20:44	WG1091141
1,3-Dichlorobenzene	U		0.000271	0.00114	1	03/29/2018 20:44	WG1091141
1,4-Dichlorobenzene	U		0.000257	0.00114	1	03/29/2018 20:44	WG1091141
Dichlorodifluoromethane	U	J0	0.000809	0.00568	1	03/29/2018 20:44	WG1091141
1,1-Dichloroethane	U		0.000226	0.00114	1	03/29/2018 20:44	WG1091141
1,2-Dichloroethane	U		0.000301	0.00114	1	03/29/2018 20:44	WG1091141
1,1-Dichloroethene	U		0.000344	0.00114	1	03/29/2018 20:44	WG1091141
cis-1,2-Dichloroethene	0.0378		0.000267	0.00114	1	03/29/2018 20:44	WG1091141
trans-1,2-Dichloroethene	U		0.000300	0.00114	1	03/29/2018 20:44	WG1091141
1,2-Dichloropropane	U		0.000406	0.00114	1	03/29/2018 20:44	WG1091141
1,1-Dichloropropene	U		0.000360	0.00114	1	03/29/2018 20:44	WG1091141
1,3-Dichloropropane	U		0.000235	0.00114	1	03/29/2018 20:44	WG1091141
cis-1,3-Dichloropropene	U		0.000297	0.00114	1	03/29/2018 20:44	WG1091141
trans-1,3-Dichloropropene	U		0.000303	0.00114	1	03/29/2018 20:44	WG1091141
trans-1,4-Dichloro-2-butene	U		0.000883	0.00284	1	03/29/2018 20:44	WG1091141
2,2-Dichloropropane	U		0.000317	0.00114	1	03/29/2018 20:44	WG1091141
Di-isopropyl ether	U		0.000282	0.00114	1	03/29/2018 20:44	WG1091141
Ethylbenzene	U		0.000337	0.00114	1	03/29/2018 20:44	WG1091141
Hexachloro-1,3-butadiene	U		0.000388	0.00114	1	03/29/2018 20:44	WG1091141
2-Hexanone	U		0.00156	0.0114	1	03/29/2018 20:44	WG1091141
n-Hexane	0.00235	J	0.000329	0.0114	1	03/29/2018 20:44	WG1091141
Iodomethane	U		0.00287	0.0114	1	03/29/2018 20:44	WG1091141
Isopropylbenzene	U		0.000276	0.00114	1	03/29/2018 20:44	WG1091141
p-Isopropyltoluene	U		0.000232	0.00114	1	03/29/2018 20:44	WG1091141
2-Butanone (MEK)	0.00909	J	0.00531	0.0114	1	03/29/2018 20:44	WG1091141
Methylene Chloride	U		0.00114	0.00568	1	03/29/2018 20:44	WG1091141
4-Methyl-2-pentanone (MIBK)	U		0.00213	0.0114	1	03/29/2018 20:44	WG1091141

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000241	0.00114	1	03/29/2018 20:44	WG1091141
Naphthalene	U		0.00114	0.00568	1	03/29/2018 20:44	WG1091141
n-Propylbenzene	U		0.000234	0.00114	1	03/29/2018 20:44	WG1091141
Styrene	U		0.000266	0.00114	1	03/29/2018 20:44	WG1091141
1,1,1,2-Tetrachloroethane	U		0.000300	0.00114	1	03/29/2018 20:44	WG1091141
1,1,2,2-Tetrachloroethane	U		0.000414	0.00114	1	03/29/2018 20:44	WG1091141
1,1,2-Trichlorotrifluoroethane	U		0.000414	0.00114	1	03/29/2018 20:44	WG1091141
Tetrachloroethene	0.0155		0.000313	0.00114	1	03/29/2018 20:44	WG1091141
Toluene	U		0.000493	0.00568	1	03/29/2018 20:44	WG1091141
1,2,3-Trichlorobenzene	U		0.000347	0.00114	1	03/29/2018 20:44	WG1091141
1,2,4-Trichlorobenzene	U		0.000440	0.00114	1	03/29/2018 20:44	WG1091141
1,1,1-Trichloroethane	U		0.000325	0.00114	1	03/29/2018 20:44	WG1091141
1,1,2-Trichloroethane	U		0.000314	0.00114	1	03/29/2018 20:44	WG1091141
Trichloroethene	0.00284		0.000317	0.00114	1	03/29/2018 20:44	WG1091141
Trichlorofluoromethane	U		0.000434	0.00568	1	03/29/2018 20:44	WG1091141
1,2,3-Trichloropropane	U		0.000841	0.00284	1	03/29/2018 20:44	WG1091141
1,2,4-Trimethylbenzene	U		0.000240	0.00114	1	03/29/2018 20:44	WG1091141
1,2,3-Trimethylbenzene	U		0.000326	0.00114	1	03/29/2018 20:44	WG1091141
1,3,5-Trimethylbenzene	U		0.000302	0.00114	1	03/29/2018 20:44	WG1091141
Vinyl acetate	U		0.00271	0.0114	1	03/29/2018 20:44	WG1091141
Vinyl chloride	0.00246		0.000330	0.00114	1	03/29/2018 20:44	WG1091141
Xylenes, Total	U		0.000792	0.00341	1	03/29/2018 20:44	WG1091141
(S) Toluene-d8	*100*			*80.0-120*		*03/29/2018 20:44*	WG1091141
(S) Dibromofluoromethane	*107*			*74.0-131*		*03/29/2018 20:44*	WG1091141
(S) 4-Bromofluorobenzene	*104*			*64.0-132*		*03/29/2018 20:44*	WG1091141

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	86.1		1	03/30/2018 15:16	WG1091656

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.0138	J	0.0131	0.0656	1.13	03/29/2018 21:05	WG1091141
Acrylonitrile	U		0.00235	0.0131	1.13	03/29/2018 21:05	WG1091141
Benzene	U		0.000354	0.00131	1.13	03/29/2018 21:05	WG1091141
Bromobenzene	U		0.000373	0.00131	1.13	03/29/2018 21:05	WG1091141
Bromodichloromethane	U		0.000333	0.00131	1.13	03/29/2018 21:05	WG1091141
Bromochloromethane	U		0.000512	0.00656	1.13	03/29/2018 21:05	WG1091141
Bromoform	U		0.000556	0.00131	1.13	03/29/2018 21:05	WG1091141
Bromomethane	U		0.00175	0.00656	1.13	03/29/2018 21:05	WG1091141
n-Butylbenzene	U		0.000339	0.00131	1.13	03/29/2018 21:05	WG1091141
sec-Butylbenzene	U		0.000264	0.00131	1.13	03/29/2018 21:05	WG1091141
tert-Butylbenzene	U		0.000271	0.00131	1.13	03/29/2018 21:05	WG1091141
Carbon disulfide	0.00132		0.000290	0.00131	1.13	03/29/2018 21:05	WG1091141
Carbon tetrachloride	U		0.000431	0.00131	1.13	03/29/2018 21:05	WG1091141
Chlorobenzene	U		0.000279	0.00131	1.13	03/29/2018 21:05	WG1091141
Chlorodibromomethane	U		0.000489	0.00131	1.13	03/29/2018 21:05	WG1091141
Chloroethane	U		0.00124	0.00656	1.13	03/29/2018 21:05	WG1091141
Chloroform	U		0.000301	0.00656	1.13	03/29/2018 21:05	WG1091141
Chloromethane	U		0.000492	0.00328	1.13	03/29/2018 21:05	WG1091141
2-Chlorotoluene	U		0.000395	0.00131	1.13	03/29/2018 21:05	WG1091141
4-Chlorotoluene	U		0.000315	0.00131	1.13	03/29/2018 21:05	WG1091141
1,2-Dibromo-3-Chloropropane	U		0.00138	0.00656	1.13	03/29/2018 21:05	WG1091141
1,2-Dibromoethane	U		0.000451	0.00131	1.13	03/29/2018 21:05	WG1091141
Dibromomethane	U		0.000502	0.00131	1.13	03/29/2018 21:05	WG1091141
1,2-Dichlorobenzene	U		0.000401	0.00131	1.13	03/29/2018 21:05	WG1091141
1,3-Dichlorobenzene	U		0.000314	0.00131	1.13	03/29/2018 21:05	WG1091141
1,4-Dichlorobenzene	U		0.000296	0.00131	1.13	03/29/2018 21:05	WG1091141
Dichlorodifluoromethane	U	J0	0.000936	0.00656	1.13	03/29/2018 21:05	WG1091141
1,1-Dichloroethane	U		0.000261	0.00131	1.13	03/29/2018 21:05	WG1091141
1,2-Dichloroethane	U		0.000347	0.00131	1.13	03/29/2018 21:05	WG1091141
1,1-Dichloroethene	U		0.000397	0.00131	1.13	03/29/2018 21:05	WG1091141
cis-1,2-Dichloroethene	0.0477		0.000309	0.00131	1.13	03/29/2018 21:05	WG1091141
trans-1,2-Dichloroethene	U		0.000346	0.00131	1.13	03/29/2018 21:05	WG1091141
1,2-Dichloropropane	U		0.000469	0.00131	1.13	03/29/2018 21:05	WG1091141
1,1-Dichloropropene	U		0.000416	0.00131	1.13	03/29/2018 21:05	WG1091141
1,3-Dichloropropane	U		0.000272	0.00131	1.13	03/29/2018 21:05	WG1091141
cis-1,3-Dichloropropene	U		0.000344	0.00131	1.13	03/29/2018 21:05	WG1091141
trans-1,3-Dichloropropene	U		0.000351	0.00131	1.13	03/29/2018 21:05	WG1091141
trans-1,4-Dichloro-2-butene	U		0.00102	0.00328	1.13	03/29/2018 21:05	WG1091141
2,2-Dichloropropane	U		0.000366	0.00131	1.13	03/29/2018 21:05	WG1091141
Di-isopropyl ether	U		0.000325	0.00131	1.13	03/29/2018 21:05	WG1091141
Ethylbenzene	U		0.000390	0.00131	1.13	03/29/2018 21:05	WG1091141
Hexachloro-1,3-butadiene	U		0.000448	0.00131	1.13	03/29/2018 21:05	WG1091141
2-Hexanone	U		0.00180	0.0131	1.13	03/29/2018 21:05	WG1091141
n-Hexane	0.000702	J	0.000381	0.0131	1.13	03/29/2018 21:05	WG1091141
Iodomethane	U		0.00332	0.0131	1.13	03/29/2018 21:05	WG1091141
Isopropylbenzene	U		0.000318	0.00131	1.13	03/29/2018 21:05	WG1091141
p-Isopropyltoluene	U		0.000267	0.00131	1.13	03/29/2018 21:05	WG1091141
2-Butanone (MEK)	U		0.00614	0.0131	1.13	03/29/2018 21:05	WG1091141
Methylene Chloride	U		0.00131	0.00656	1.13	03/29/2018 21:05	WG1091141
4-Methyl-2-pentanone (MIBK)	U		0.00246	0.0131	1.13	03/29/2018 21:05	WG1091141

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000279	0.00131	1.13	03/29/2018 21:05	WG1091141
Naphthalene	U		0.00131	0.00656	1.13	03/29/2018 21:05	WG1091141
n-Propylbenzene	U		0.000271	0.00131	1.13	03/29/2018 21:05	WG1091141
Styrene	U		0.000307	0.00131	1.13	03/29/2018 21:05	WG1091141
1,1,1,2-Tetrachloroethane	U		0.000346	0.00131	1.13	03/29/2018 21:05	WG1091141
1,1,2,2-Tetrachloroethane	U		0.000478	0.00131	1.13	03/29/2018 21:05	WG1091141
1,1,2-Trichlorotrifluoroethane	U		0.000478	0.00131	1.13	03/29/2018 21:05	WG1091141
Tetrachloroethene	0.196		0.000362	0.00131	1.13	03/29/2018 21:05	WG1091141
Toluene	0.000822	J	0.000569	0.00656	1.13	03/29/2018 21:05	WG1091141
1,2,3-Trichlorobenzene	U		0.000402	0.00131	1.13	03/29/2018 21:05	WG1091141
1,2,4-Trichlorobenzene	U		0.000509	0.00131	1.13	03/29/2018 21:05	WG1091141
1,1,1-Trichloroethane	U		0.000375	0.00131	1.13	03/29/2018 21:05	WG1091141
1,1,2-Trichloroethane	U		0.000364	0.00131	1.13	03/29/2018 21:05	WG1091141
Trichloroethene	0.0157		0.000366	0.00131	1.13	03/29/2018 21:05	WG1091141
Trichlorofluoromethane	U		0.000502	0.00656	1.13	03/29/2018 21:05	WG1091141
1,2,3-Trichloropropane	U		0.000972	0.00328	1.13	03/29/2018 21:05	WG1091141
1,2,4-Trimethylbenzene	U		0.000276	0.00131	1.13	03/29/2018 21:05	WG1091141
1,2,3-Trimethylbenzene	U		0.000376	0.00131	1.13	03/29/2018 21:05	WG1091141
1,3,5-Trimethylbenzene	U		0.000348	0.00131	1.13	03/29/2018 21:05	WG1091141
Vinyl acetate	U		0.00314	0.0131	1.13	03/29/2018 21:05	WG1091141
Vinyl chloride	0.00137		0.000382	0.00131	1.13	03/29/2018 21:05	WG1091141
Xylenes, Total	U		0.000916	0.00394	1.13	03/29/2018 21:05	WG1091141
(S) Toluene-d8	*103*			*80.0-120*		*03/29/2018 21:05*	WG1091141
(S) Dibromofluoromethane	*106*			*74.0-131*		*03/29/2018 21:05*	WG1091141
(S) 4-Bromofluorobenzene	*106*			*64.0-132*		*03/29/2018 21:05*	WG1091141

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	88.4		1	03/30/2018 15:16	WG1091656

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.0361	J	0.0113	0.0565	1	03/29/2018 21:26	WG1091141
Acrylonitrile	U		0.00202	0.0113	1	03/29/2018 21:26	WG1091141
Benzene	U		0.000305	0.00113	1	03/29/2018 21:26	WG1091141
Bromobenzene	U		0.000321	0.00113	1	03/29/2018 21:26	WG1091141
Bromodichloromethane	U		0.000287	0.00113	1	03/29/2018 21:26	WG1091141
Bromochloromethane	U		0.000441	0.00565	1	03/29/2018 21:26	WG1091141
Bromoform	U		0.000479	0.00113	1	03/29/2018 21:26	WG1091141
Bromomethane	U		0.00152	0.00565	1	03/29/2018 21:26	WG1091141
n-Butylbenzene	U		0.000292	0.00113	1	03/29/2018 21:26	WG1091141
sec-Butylbenzene	U		0.000227	0.00113	1	03/29/2018 21:26	WG1091141
tert-Butylbenzene	U		0.000233	0.00113	1	03/29/2018 21:26	WG1091141
Carbon disulfide	0.00209		0.000250	0.00113	1	03/29/2018 21:26	WG1091141
Carbon tetrachloride	U		0.000371	0.00113	1	03/29/2018 21:26	WG1091141
Chlorobenzene	U		0.000240	0.00113	1	03/29/2018 21:26	WG1091141
Chlorodibromomethane	U		0.000422	0.00113	1	03/29/2018 21:26	WG1091141
Chloroethane	U		0.00107	0.00565	1	03/29/2018 21:26	WG1091141
Chloroform	U		0.000259	0.00565	1	03/29/2018 21:26	WG1091141
Chloromethane	U		0.000424	0.00283	1	03/29/2018 21:26	WG1091141
2-Chlorotoluene	U		0.000340	0.00113	1	03/29/2018 21:26	WG1091141
4-Chlorotoluene	U		0.000271	0.00113	1	03/29/2018 21:26	WG1091141
1,2-Dibromo-3-Chloropropane	U		0.00119	0.00565	1	03/29/2018 21:26	WG1091141
1,2-Dibromoethane	U		0.000388	0.00113	1	03/29/2018 21:26	WG1091141
Dibromomethane	U		0.000432	0.00113	1	03/29/2018 21:26	WG1091141
1,2-Dichlorobenzene	U		0.000345	0.00113	1	03/29/2018 21:26	WG1091141
1,3-Dichlorobenzene	U		0.000270	0.00113	1	03/29/2018 21:26	WG1091141
1,4-Dichlorobenzene	U		0.000256	0.00113	1	03/29/2018 21:26	WG1091141
Dichlorodifluoromethane	U	J0	0.000806	0.00565	1	03/29/2018 21:26	WG1091141
1,1-Dichloroethane	U		0.000225	0.00113	1	03/29/2018 21:26	WG1091141
1,2-Dichloroethane	U		0.000300	0.00113	1	03/29/2018 21:26	WG1091141
1,1-Dichloroethene	0.00297		0.000343	0.00113	1	03/29/2018 21:26	WG1091141
cis-1,2-Dichloroethene	1.42		0.0531	0.226	200	03/31/2018 03:08	WG1091141
trans-1,2-Dichloroethene	0.000473	J	0.000299	0.00113	1	03/29/2018 21:26	WG1091141
1,2-Dichloropropane	U		0.000405	0.00113	1	03/29/2018 21:26	WG1091141
1,1-Dichloropropene	U		0.000358	0.00113	1	03/29/2018 21:26	WG1091141
1,3-Dichloropropane	U		0.000234	0.00113	1	03/29/2018 21:26	WG1091141
cis-1,3-Dichloropropene	U		0.000296	0.00113	1	03/29/2018 21:26	WG1091141
trans-1,3-Dichloropropene	U		0.000302	0.00113	1	03/29/2018 21:26	WG1091141
trans-1,4-Dichloro-2-butene	U		0.000880	0.00283	1	03/29/2018 21:26	WG1091141
2,2-Dichloropropane	U		0.000315	0.00113	1	03/29/2018 21:26	WG1091141
Di-isopropyl ether	U		0.000280	0.00113	1	03/29/2018 21:26	WG1091141
Ethylbenzene	U		0.000336	0.00113	1	03/29/2018 21:26	WG1091141
Hexachloro-1,3-butadiene	U		0.000387	0.00113	1	03/29/2018 21:26	WG1091141
2-Hexanone	U		0.00155	0.0113	1	03/29/2018 21:26	WG1091141
n-Hexane	U		0.000328	0.0113	1	03/29/2018 21:26	WG1091141
Iodomethane	U		0.00286	0.0113	1	03/29/2018 21:26	WG1091141
Isopropylbenzene	U		0.000275	0.00113	1	03/29/2018 21:26	WG1091141
p-Isopropyltoluene	U		0.000231	0.00113	1	03/29/2018 21:26	WG1091141
2-Butanone (MEK)	0.00673	J	0.00529	0.0113	1	03/29/2018 21:26	WG1091141
Methylene Chloride	U		0.00113	0.00565	1	03/29/2018 21:26	WG1091141
4-Methyl-2-pentanone (MIBK)	U		0.00213	0.0113	1	03/29/2018 21:26	WG1091141

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000240	0.00113	1	03/29/2018 21:26	WG1091141
Naphthalene	U		0.00113	0.00565	1	03/29/2018 21:26	WG1091141
n-Propylbenzene	U		0.000233	0.00113	1	03/29/2018 21:26	WG1091141
Styrene	U		0.000265	0.00113	1	03/29/2018 21:26	WG1091141
1,1,1,2-Tetrachloroethane	U		0.000299	0.00113	1	03/29/2018 21:26	WG1091141
1,1,2,2-Tetrachloroethane	U		0.000413	0.00113	1	03/29/2018 21:26	WG1091141
1,1,2-Trichlorotrifluoroethane	U		0.000413	0.00113	1	03/29/2018 21:26	WG1091141
Tetrachloroethene	0.0192		0.000312	0.00113	1	03/29/2018 21:26	WG1091141
Toluene	U		0.000491	0.00565	1	03/29/2018 21:26	WG1091141
1,2,3-Trichlorobenzene	U		0.000346	0.00113	1	03/29/2018 21:26	WG1091141
1,2,4-Trichlorobenzene	U		0.000439	0.00113	1	03/29/2018 21:26	WG1091141
1,1,1-Trichloroethane	U		0.000323	0.00113	1	03/29/2018 21:26	WG1091141
1,1,2-Trichloroethane	U		0.000313	0.00113	1	03/29/2018 21:26	WG1091141
Trichloroethene	0.00253		0.000315	0.00113	1	03/29/2018 21:26	WG1091141
Trichlorofluoromethane	U		0.000432	0.00565	1	03/29/2018 21:26	WG1091141
1,2,3-Trichloropropane	U		0.000838	0.00283	1	03/29/2018 21:26	WG1091141
1,2,4-Trimethylbenzene	U		0.000239	0.00113	1	03/29/2018 21:26	WG1091141
1,2,3-Trimethylbenzene	U		0.000325	0.00113	1	03/29/2018 21:26	WG1091141
1,3,5-Trimethylbenzene	U		0.000301	0.00113	1	03/29/2018 21:26	WG1091141
Vinyl acetate	U		0.00270	0.0113	1	03/29/2018 21:26	WG1091141
Vinyl chloride	0.00224		0.000329	0.00113	1	03/29/2018 21:26	WG1091141
Xylenes, Total	U		0.000789	0.00339	1	03/29/2018 21:26	WG1091141
(S) Toluene-d8	*108*			*80.0-120*		*03/31/2018 03:08*	WG1091141
(S) Toluene-d8	*101*			*80.0-120*		*03/29/2018 21:26*	WG1091141
(S) Dibromofluoromethane	*95.8*			*74.0-131*		*03/31/2018 03:08*	WG1091141
(S) Dibromofluoromethane	*107*			*74.0-131*		*03/29/2018 21:26*	WG1091141
(S) 4-Bromofluorobenzene	*105*			*64.0-132*		*03/29/2018 21:26*	WG1091141
(S) 4-Bromofluorobenzene	*103*			*64.0-132*		*03/31/2018 03:08*	WG1091141

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	85.1		1	03/30/2018 15:16	WG1091656

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.0297	J	0.0117	0.0587	1	03/29/2018 21:47	WG1091141
Acrylonitrile	U		0.00210	0.0117	1	03/29/2018 21:47	WG1091141
Benzene	U		0.000317	0.00117	1	03/29/2018 21:47	WG1091141
Bromobenzene	U		0.000334	0.00117	1	03/29/2018 21:47	WG1091141
Bromodichloromethane	U		0.000298	0.00117	1	03/29/2018 21:47	WG1091141
Bromochloromethane	U		0.000458	0.00587	1	03/29/2018 21:47	WG1091141
Bromoform	U		0.000498	0.00117	1	03/29/2018 21:47	WG1091141
Bromomethane	U		0.00157	0.00587	1	03/29/2018 21:47	WG1091141
n-Butylbenzene	U		0.000303	0.00117	1	03/29/2018 21:47	WG1091141
sec-Butylbenzene	U		0.000236	0.00117	1	03/29/2018 21:47	WG1091141
tert-Butylbenzene	U		0.000242	0.00117	1	03/29/2018 21:47	WG1091141
Carbon disulfide	0.00182		0.000260	0.00117	1	03/29/2018 21:47	WG1091141
Carbon tetrachloride	U		0.000385	0.00117	1	03/29/2018 21:47	WG1091141
Chlorobenzene	U		0.000249	0.00117	1	03/29/2018 21:47	WG1091141
Chlorodibromomethane	U		0.000438	0.00117	1	03/29/2018 21:47	WG1091141
Chloroethane	U		0.00111	0.00587	1	03/29/2018 21:47	WG1091141
Chloroform	U		0.000269	0.00587	1	03/29/2018 21:47	WG1091141
Chloromethane	U		0.000440	0.00294	1	03/29/2018 21:47	WG1091141
2-Chlorotoluene	U		0.000354	0.00117	1	03/29/2018 21:47	WG1091141
4-Chlorotoluene	U		0.000282	0.00117	1	03/29/2018 21:47	WG1091141
1,2-Dibromo-3-Chloropropane	U		0.00123	0.00587	1	03/29/2018 21:47	WG1091141
1,2-Dibromoethane	U		0.000403	0.00117	1	03/29/2018 21:47	WG1091141
Dibromomethane	U		0.000449	0.00117	1	03/29/2018 21:47	WG1091141
1,2-Dichlorobenzene	U		0.000358	0.00117	1	03/29/2018 21:47	WG1091141
1,3-Dichlorobenzene	U		0.000281	0.00117	1	03/29/2018 21:47	WG1091141
1,4-Dichlorobenzene	U		0.000265	0.00117	1	03/29/2018 21:47	WG1091141
Dichlorodifluoromethane	U	J0	0.000837	0.00587	1	03/29/2018 21:47	WG1091141
1,1-Dichloroethane	U		0.000234	0.00117	1	03/29/2018 21:47	WG1091141
1,2-Dichloroethane	U		0.000311	0.00117	1	03/29/2018 21:47	WG1091141
1,1-Dichloroethene	0.000366	J	0.000356	0.00117	1	03/29/2018 21:47	WG1091141
cis-1,2-Dichloroethene	0.0368		0.000276	0.00117	1	03/29/2018 21:47	WG1091141
trans-1,2-Dichloroethene	0.00397		0.000310	0.00117	1	03/29/2018 21:47	WG1091141
1,2-Dichloropropane	U		0.000421	0.00117	1	03/29/2018 21:47	WG1091141
1,1-Dichloropropene	U		0.000372	0.00117	1	03/29/2018 21:47	WG1091141
1,3-Dichloropropane	U		0.000243	0.00117	1	03/29/2018 21:47	WG1091141
cis-1,3-Dichloropropene	U		0.000308	0.00117	1	03/29/2018 21:47	WG1091141
trans-1,3-Dichloropropene	U		0.000314	0.00117	1	03/29/2018 21:47	WG1091141
trans-1,4-Dichloro-2-butene	U		0.000914	0.00294	1	03/29/2018 21:47	WG1091141
2,2-Dichloropropane	U		0.000328	0.00117	1	03/29/2018 21:47	WG1091141
Di-isopropyl ether	U		0.000291	0.00117	1	03/29/2018 21:47	WG1091141
Ethylbenzene	U		0.000349	0.00117	1	03/29/2018 21:47	WG1091141
Hexachloro-1,3-butadiene	U		0.000402	0.00117	1	03/29/2018 21:47	WG1091141
2-Hexanone	U		0.00161	0.0117	1	03/29/2018 21:47	WG1091141
n-Hexane	U		0.000341	0.0117	1	03/29/2018 21:47	WG1091141
Iodomethane	U		0.00297	0.0117	1	03/29/2018 21:47	WG1091141
Isopropylbenzene	U		0.000285	0.00117	1	03/29/2018 21:47	WG1091141
p-Isopropyltoluene	U		0.000240	0.00117	1	03/29/2018 21:47	WG1091141
2-Butanone (MEK)	U		0.00550	0.0117	1	03/29/2018 21:47	WG1091141
Methylene Chloride	U		0.00117	0.00587	1	03/29/2018 21:47	WG1091141
4-Methyl-2-pentanone (MIBK)	U		0.00221	0.0117	1	03/29/2018 21:47	WG1091141

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000249	0.00117	1	03/29/2018 21:47	WG1091141
Naphthalene	U		0.00117	0.00587	1	03/29/2018 21:47	WG1091141
n-Propylbenzene	U		0.000242	0.00117	1	03/29/2018 21:47	WG1091141
Styrene	U		0.000275	0.00117	1	03/29/2018 21:47	WG1091141
1,1,1,2-Tetrachloroethane	U		0.000310	0.00117	1	03/29/2018 21:47	WG1091141
1,1,2,2-Tetrachloroethane	U		0.000429	0.00117	1	03/29/2018 21:47	WG1091141
1,1,2-Trichlorotrifluoroethane	U		0.000429	0.00117	1	03/29/2018 21:47	WG1091141
Tetrachloroethene	0.0102		0.000324	0.00117	1	03/29/2018 21:47	WG1091141
Toluene	U		0.000510	0.00587	1	03/29/2018 21:47	WG1091141
1,2,3-Trichlorobenzene	U		0.000359	0.00117	1	03/29/2018 21:47	WG1091141
1,2,4-Trichlorobenzene	U		0.000456	0.00117	1	03/29/2018 21:47	WG1091141
1,1,1-Trichloroethane	U		0.000336	0.00117	1	03/29/2018 21:47	WG1091141
1,1,2-Trichloroethane	U		0.000325	0.00117	1	03/29/2018 21:47	WG1091141
Trichloroethene	0.00206		0.000328	0.00117	1	03/29/2018 21:47	WG1091141
Trichlorofluoromethane	U		0.000449	0.00587	1	03/29/2018 21:47	WG1091141
1,2,3-Trichloropropane	U		0.000870	0.00294	1	03/29/2018 21:47	WG1091141
1,2,4-Trimethylbenzene	U		0.000248	0.00117	1	03/29/2018 21:47	WG1091141
1,2,3-Trimethylbenzene	U		0.000337	0.00117	1	03/29/2018 21:47	WG1091141
1,3,5-Trimethylbenzene	U		0.000312	0.00117	1	03/29/2018 21:47	WG1091141
Vinyl acetate	U		0.00281	0.0117	1	03/29/2018 21:47	WG1091141
Vinyl chloride	0.00131		0.000342	0.00117	1	03/29/2018 21:47	WG1091141
Xylenes, Total	U		0.000820	0.00352	1	03/29/2018 21:47	WG1091141
(S) Toluene-d8	*98.7*			*80.0-120*		*03/29/2018 21:47*	WG1091141
(S) Dibromofluoromethane	*105*			*74.0-131*		*03/29/2018 21:47*	WG1091141
(S) 4-Bromofluorobenzene	*104*			*64.0-132*		*03/29/2018 21:47*	WG1091141

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	92.5		1	03/30/2018 15:16	WG1091656

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0108	0.0540	1	03/30/2018 02:02	WG1091310
Acrylonitrile	U		0.00193	0.0108	1	03/30/2018 02:02	WG1091310
Benzene	U		0.000292	0.00108	1	03/30/2018 02:02	WG1091310
Bromobenzene	U		0.000307	0.00108	1	03/30/2018 02:02	WG1091310
Bromodichloromethane	U		0.000275	0.00108	1	03/30/2018 02:02	WG1091310
Bromochloromethane	U		0.000422	0.00540	1	03/30/2018 02:02	WG1091310
Bromoform	U		0.000458	0.00108	1	03/30/2018 02:02	WG1091310
Bromomethane	U		0.00145	0.00540	1	03/30/2018 02:02	WG1091310
n-Butylbenzene	U		0.000279	0.00108	1	03/30/2018 02:02	WG1091310
sec-Butylbenzene	U		0.000217	0.00108	1	03/30/2018 02:02	WG1091310
tert-Butylbenzene	U		0.000223	0.00108	1	03/30/2018 02:02	WG1091310
Carbon disulfide	0.00303		0.000239	0.00108	1	03/30/2018 02:02	WG1091310
Carbon tetrachloride	U		0.000355	0.00108	1	03/30/2018 02:02	WG1091310
Chlorobenzene	U		0.000229	0.00108	1	03/30/2018 02:02	WG1091310
Chlorodibromomethane	U		0.000403	0.00108	1	03/30/2018 02:02	WG1091310
Chloroethane	U		0.00102	0.00540	1	03/30/2018 02:02	WG1091310
Chloroform	U		0.000248	0.00540	1	03/30/2018 02:02	WG1091310
Chloromethane	U		0.000405	0.00270	1	03/30/2018 02:02	WG1091310
2-Chlorotoluene	U		0.000325	0.00108	1	03/30/2018 02:02	WG1091310
4-Chlorotoluene	U		0.000259	0.00108	1	03/30/2018 02:02	WG1091310
1,2-Dibromo-3-Chloropropane	U		0.00113	0.00540	1	03/30/2018 02:02	WG1091310
1,2-Dibromoethane	U		0.000371	0.00108	1	03/30/2018 02:02	WG1091310
Dibromomethane	U		0.000413	0.00108	1	03/30/2018 02:02	WG1091310
1,2-Dichlorobenzene	U		0.000330	0.00108	1	03/30/2018 02:02	WG1091310
1,3-Dichlorobenzene	U		0.000258	0.00108	1	03/30/2018 02:02	WG1091310
1,4-Dichlorobenzene	U		0.000244	0.00108	1	03/30/2018 02:02	WG1091310
Dichlorodifluoromethane	U		0.000771	0.00540	1	03/30/2018 02:02	WG1091310
1,1-Dichloroethane	U		0.000215	0.00108	1	03/30/2018 02:02	WG1091310
1,2-Dichloroethane	U		0.000286	0.00108	1	03/30/2018 02:02	WG1091310
1,1-Dichloroethene	0.00579		0.000328	0.00108	1	03/30/2018 02:02	WG1091310
cis-1,2-Dichloroethene	3.47		0.0254	0.108	100	04/01/2018 16:47	WG1091310
trans-1,2-Dichloroethene	0.00213		0.000285	0.00108	1	03/30/2018 02:02	WG1091310
1,2-Dichloropropane	U		0.000387	0.00108	1	03/30/2018 02:02	WG1091310
1,1-Dichloropropene	U		0.000343	0.00108	1	03/30/2018 02:02	WG1091310
1,3-Dichloropropane	U		0.000224	0.00108	1	03/30/2018 02:02	WG1091310
cis-1,3-Dichloropropene	U		0.000283	0.00108	1	03/30/2018 02:02	WG1091310
trans-1,3-Dichloropropene	U		0.000289	0.00108	1	03/30/2018 02:02	WG1091310
trans-1,4-Dichloro-2-butene	U		0.000841	0.00270	1	03/30/2018 02:02	WG1091310
2,2-Dichloropropane	U		0.000302	0.00108	1	03/30/2018 02:02	WG1091310
Di-isopropyl ether	U		0.000268	0.00108	1	03/30/2018 02:02	WG1091310
Ethylbenzene	U		0.000321	0.00108	1	03/30/2018 02:02	WG1091310
Hexachloro-1,3-butadiene	U		0.000370	0.00108	1	03/30/2018 02:02	WG1091310
2-Hexanone	U		0.00148	0.0108	1	03/30/2018 02:02	WG1091310
n-Hexane	U		0.000313	0.0108	1	03/30/2018 02:02	WG1091310
Iodomethane	U		0.00273	0.0108	1	03/30/2018 02:02	WG1091310
Isopropylbenzene	U		0.000263	0.00108	1	03/30/2018 02:02	WG1091310
p-Isopropyltoluene	U		0.000221	0.00108	1	03/30/2018 02:02	WG1091310
2-Butanone (MEK)	U		0.00506	0.0108	1	03/30/2018 02:02	WG1091310
Methylene Chloride	U		0.00108	0.00540	1	03/30/2018 02:02	WG1091310
4-Methyl-2-pentanone (MIBK)	U		0.00203	0.0108	1	03/30/2018 02:02	WG1091310

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000229	0.00108	1	03/30/2018 02:02	WG1091310
Naphthalene	U		0.00108	0.00540	1	03/30/2018 02:02	WG1091310
n-Propylbenzene	U		0.000223	0.00108	1	03/30/2018 02:02	WG1091310
Styrene	U		0.000253	0.00108	1	03/30/2018 02:02	WG1091310
1,1,1,2-Tetrachloroethane	U		0.000285	0.00108	1	03/30/2018 02:02	WG1091310
1,1,2,2-Tetrachloroethane	U		0.000395	0.00108	1	03/30/2018 02:02	WG1091310
1,1,2-Trichlorotrifluoroethane	U		0.000395	0.00108	1	03/30/2018 02:02	WG1091310
Tetrachloroethene	0.0158		0.000298	0.00108	1	03/30/2018 02:02	WG1091310
Toluene	U		0.000469	0.00540	1	03/30/2018 02:02	WG1091310
1,2,3-Trichlorobenzene	U		0.000331	0.00108	1	03/30/2018 02:02	WG1091310
1,2,4-Trichlorobenzene	U		0.000419	0.00108	1	03/30/2018 02:02	WG1091310
1,1,1-Trichloroethane	U		0.000309	0.00108	1	03/30/2018 02:02	WG1091310
1,1,2-Trichloroethane	U		0.000299	0.00108	1	03/30/2018 02:02	WG1091310
Trichloroethene	0.00209		0.000302	0.00108	1	03/30/2018 02:02	WG1091310
Trichlorofluoromethane	U		0.000413	0.00540	1	03/30/2018 02:02	WG1091310
1,2,3-Trichloropropane	U		0.000801	0.00270	1	03/30/2018 02:02	WG1091310
1,2,4-Trimethylbenzene	U		0.000228	0.00108	1	03/30/2018 02:02	WG1091310
1,2,3-Trimethylbenzene	U		0.000310	0.00108	1	03/30/2018 02:02	WG1091310
1,3,5-Trimethylbenzene	U		0.000288	0.00108	1	03/30/2018 02:02	WG1091310
Vinyl acetate	U		0.00258	0.0108	1	03/30/2018 02:02	WG1091310
Vinyl chloride	0.105		0.000315	0.00108	1	03/30/2018 02:02	WG1091310
Xylenes, Total	U		0.000754	0.00324	1	03/30/2018 02:02	WG1091310
(S) Toluene-d8	*105*			*80.0-120*		*04/01/2018 16:47*	WG1091310
(S) Toluene-d8	*100*			*80.0-120*		*03/30/2018 02:02*	WG1091310
(S) Dibromofluoromethane	*105*			*74.0-131*		*03/30/2018 02:02*	WG1091310
(S) Dibromofluoromethane	*97.8*			*74.0-131*		*04/01/2018 16:47*	WG1091310
(S) 4-Bromofluorobenzene	*105*			*64.0-132*		*03/30/2018 02:02*	WG1091310
(S) 4-Bromofluorobenzene	*100*			*64.0-132*		*04/01/2018 16:47*	WG1091310

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch
Analyte	%			date / time	
Total Solids	87.5		1	03/30/2018 17:11	WG1091657

Volatile Organic Compounds (GC/MS) by Method 8260C

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0335	J	0.0114	0.0572	1	03/30/2018 02:23	WG1091310
Acrylonitrile	U		0.00205	0.0114	1	03/30/2018 02:23	WG1091310
Benzene	U		0.000309	0.00114	1	03/30/2018 02:23	WG1091310
Bromobenzene	U		0.000325	0.00114	1	03/30/2018 02:23	WG1091310
Bromodichloromethane	U		0.000290	0.00114	1	03/30/2018 02:23	WG1091310
Bromochloromethane	U		0.000446	0.00572	1	03/30/2018 02:23	WG1091310
Bromoform	U		0.000485	0.00114	1	03/30/2018 02:23	WG1091310
Bromomethane	U		0.00153	0.00572	1	03/30/2018 02:23	WG1091310
n-Butylbenzene	U		0.000295	0.00114	1	03/30/2018 02:23	WG1091310
sec-Butylbenzene	U		0.000230	0.00114	1	03/30/2018 02:23	WG1091310
tert-Butylbenzene	U		0.000236	0.00114	1	03/30/2018 02:23	WG1091310
Carbon disulfide	0.00132		0.000253	0.00114	1	03/30/2018 02:23	WG1091310
Carbon tetrachloride	U		0.000375	0.00114	1	03/30/2018 02:23	WG1091310
Chlorobenzene	U		0.000242	0.00114	1	03/30/2018 02:23	WG1091310
Chlorodibromomethane	U		0.000426	0.00114	1	03/30/2018 02:23	WG1091310
Chloroethane	U		0.00108	0.00572	1	03/30/2018 02:23	WG1091310
Chloroform	U		0.000262	0.00572	1	03/30/2018 02:23	WG1091310
Chloromethane	U		0.000429	0.00286	1	03/30/2018 02:23	WG1091310
2-Chlorotoluene	U		0.000344	0.00114	1	03/30/2018 02:23	WG1091310
4-Chlorotoluene	U		0.000274	0.00114	1	03/30/2018 02:23	WG1091310
1,2-Dibromo-3-Chloropropane	U		0.00120	0.00572	1	03/30/2018 02:23	WG1091310
1,2-Dibromoethane	U		0.000392	0.00114	1	03/30/2018 02:23	WG1091310
Dibromomethane	U		0.000437	0.00114	1	03/30/2018 02:23	WG1091310
1,2-Dichlorobenzene	U		0.000349	0.00114	1	03/30/2018 02:23	WG1091310
1,3-Dichlorobenzene	U		0.000273	0.00114	1	03/30/2018 02:23	WG1091310
1,4-Dichlorobenzene	U		0.000258	0.00114	1	03/30/2018 02:23	WG1091310
Dichlorodifluoromethane	U		0.000815	0.00572	1	03/30/2018 02:23	WG1091310
1,1-Dichloroethane	U		0.000228	0.00114	1	03/30/2018 02:23	WG1091310
1,2-Dichloroethane	U		0.000303	0.00114	1	03/30/2018 02:23	WG1091310
1,1-Dichloroethene	0.00230		0.000346	0.00114	1	03/30/2018 02:23	WG1091310
cis-1,2-Dichloroethene	0.348		0.0135	0.0572	50	04/01/2018 17:08	WG1091310
trans-1,2-Dichloroethene	0.000867	J	0.000302	0.00114	1	03/30/2018 02:23	WG1091310
1,2-Dichloropropane	U		0.000409	0.00114	1	03/30/2018 02:23	WG1091310
1,1-Dichloropropene	U		0.000362	0.00114	1	03/30/2018 02:23	WG1091310
1,3-Dichloropropane	U		0.000237	0.00114	1	03/30/2018 02:23	WG1091310
cis-1,3-Dichloropropene	U		0.000300	0.00114	1	03/30/2018 02:23	WG1091310
trans-1,3-Dichloropropene	U		0.000305	0.00114	1	03/30/2018 02:23	WG1091310
trans-1,4-Dichloro-2-butene	U		0.000890	0.00286	1	03/30/2018 02:23	WG1091310
2,2-Dichloropropane	U		0.000319	0.00114	1	03/30/2018 02:23	WG1091310
Di-isopropyl ether	U		0.000284	0.00114	1	03/30/2018 02:23	WG1091310
Ethylbenzene	U		0.000340	0.00114	1	03/30/2018 02:23	WG1091310
Hexachloro-1,3-butadiene	U		0.000391	0.00114	1	03/30/2018 02:23	WG1091310
2-Hexanone	U		0.00157	0.0114	1	03/30/2018 02:23	WG1091310
n-Hexane	U		0.000332	0.0114	1	03/30/2018 02:23	WG1091310
Iodomethane	U		0.00289	0.0114	1	03/30/2018 02:23	WG1091310
Isopropylbenzene	U		0.000278	0.00114	1	03/30/2018 02:23	WG1091310
p-Isopropyltoluene	U		0.000233	0.00114	1	03/30/2018 02:23	WG1091310
2-Butanone (MEK)	U		0.00535	0.0114	1	03/30/2018 02:23	WG1091310
Methylene Chloride	U		0.00114	0.00572	1	03/30/2018 02:23	WG1091310
4-Methyl-2-pentanone (MIBK)	U		0.00215	0.0114	1	03/30/2018 02:23	WG1091310

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000242	0.00114	1	03/30/2018 02:23	WG1091310
Naphthalene	U		0.00114	0.00572	1	03/30/2018 02:23	WG1091310
n-Propylbenzene	U		0.000236	0.00114	1	03/30/2018 02:23	WG1091310
Styrene	U		0.000268	0.00114	1	03/30/2018 02:23	WG1091310
1,1,1,2-Tetrachloroethane	U		0.000302	0.00114	1	03/30/2018 02:23	WG1091310
1,1,2,2-Tetrachloroethane	U		0.000417	0.00114	1	03/30/2018 02:23	WG1091310
1,1,2-Trichlorotrifluoroethane	U		0.000417	0.00114	1	03/30/2018 02:23	WG1091310
Tetrachloroethene	0.0204		0.000316	0.00114	1	03/30/2018 02:23	WG1091310
Toluene	U		0.000496	0.00572	1	03/30/2018 02:23	WG1091310
1,2,3-Trichlorobenzene	U		0.000350	0.00114	1	03/30/2018 02:23	WG1091310
1,2,4-Trichlorobenzene	U		0.000444	0.00114	1	03/30/2018 02:23	WG1091310
1,1,1-Trichloroethane	U		0.000327	0.00114	1	03/30/2018 02:23	WG1091310
1,1,2-Trichloroethane	U		0.000317	0.00114	1	03/30/2018 02:23	WG1091310
Trichloroethene	0.00194		0.000319	0.00114	1	03/30/2018 02:23	WG1091310
Trichlorofluoromethane	U		0.000437	0.00572	1	03/30/2018 02:23	WG1091310
1,2,3-Trichloropropane	U		0.000847	0.00286	1	03/30/2018 02:23	WG1091310
1,2,4-Trimethylbenzene	U		0.000241	0.00114	1	03/30/2018 02:23	WG1091310
1,2,3-Trimethylbenzene	U		0.000328	0.00114	1	03/30/2018 02:23	WG1091310
1,3,5-Trimethylbenzene	U		0.000304	0.00114	1	03/30/2018 02:23	WG1091310
Vinyl acetate	U		0.00273	0.0114	1	03/30/2018 02:23	WG1091310
Vinyl chloride	0.0200		0.000333	0.00114	1	03/30/2018 02:23	WG1091310
Xylenes, Total	U		0.000798	0.00343	1	03/30/2018 02:23	WG1091310
(S) Toluene-d8	*103*			*80.0-120*		*04/01/2018 17:08*	WG1091310
(S) Toluene-d8	*98.7*			*80.0-120*		*03/30/2018 02:23*	WG1091310
(S) Dibromofluoromethane	*106*			*74.0-131*		*03/30/2018 02:23*	WG1091310
(S) Dibromofluoromethane	*96.1*			*74.0-131*		*04/01/2018 17:08*	WG1091310
(S) 4-Bromofluorobenzene	*100*			*64.0-132*		*04/01/2018 17:08*	WG1091310
(S) 4-Bromofluorobenzene	*108*			*64.0-132*		*03/30/2018 02:23*	WG1091310

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	88.6		1	03/30/2018 17:11	WG1091657

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.0282	J	0.0113	0.0564	1	03/30/2018 02:44	WG1091310
Acrylonitrile	U		0.00202	0.0113	1	03/30/2018 02:44	WG1091310
Benzene	U		0.000305	0.00113	1	03/30/2018 02:44	WG1091310
Bromobenzene	U		0.000321	0.00113	1	03/30/2018 02:44	WG1091310
Bromodichloromethane	U		0.000287	0.00113	1	03/30/2018 02:44	WG1091310
Bromochloromethane	U		0.000440	0.00564	1	03/30/2018 02:44	WG1091310
Bromoform	U		0.000479	0.00113	1	03/30/2018 02:44	WG1091310
Bromomethane	U		0.00151	0.00564	1	03/30/2018 02:44	WG1091310
n-Butylbenzene	U		0.000291	0.00113	1	03/30/2018 02:44	WG1091310
sec-Butylbenzene	U		0.000227	0.00113	1	03/30/2018 02:44	WG1091310
tert-Butylbenzene	U		0.000233	0.00113	1	03/30/2018 02:44	WG1091310
Carbon disulfide	0.00188		0.000249	0.00113	1	03/30/2018 02:44	WG1091310
Carbon tetrachloride	U		0.000370	0.00113	1	03/30/2018 02:44	WG1091310
Chlorobenzene	U		0.000239	0.00113	1	03/30/2018 02:44	WG1091310
Chlorodibromomethane	U		0.000421	0.00113	1	03/30/2018 02:44	WG1091310
Chloroethane	U		0.00107	0.00564	1	03/30/2018 02:44	WG1091310
Chloroform	U		0.000259	0.00564	1	03/30/2018 02:44	WG1091310
Chloromethane	U		0.000423	0.00282	1	03/30/2018 02:44	WG1091310
2-Chlorotoluene	U		0.000340	0.00113	1	03/30/2018 02:44	WG1091310
4-Chlorotoluene	U		0.000271	0.00113	1	03/30/2018 02:44	WG1091310
1,2-Dibromo-3-Chloropropane	U		0.00119	0.00564	1	03/30/2018 02:44	WG1091310
1,2-Dibromoethane	U		0.000387	0.00113	1	03/30/2018 02:44	WG1091310
Dibromomethane	U		0.000431	0.00113	1	03/30/2018 02:44	WG1091310
1,2-Dichlorobenzene	U		0.000344	0.00113	1	03/30/2018 02:44	WG1091310
1,3-Dichlorobenzene	U		0.000270	0.00113	1	03/30/2018 02:44	WG1091310
1,4-Dichlorobenzene	U		0.000255	0.00113	1	03/30/2018 02:44	WG1091310
Dichlorodifluoromethane	U		0.000805	0.00564	1	03/30/2018 02:44	WG1091310
1,1-Dichloroethane	U		0.000225	0.00113	1	03/30/2018 02:44	WG1091310
1,2-Dichloroethane	U		0.000299	0.00113	1	03/30/2018 02:44	WG1091310
1,1-Dichloroethene	0.000944	J	0.000342	0.00113	1	03/30/2018 02:44	WG1091310
cis-1,2-Dichloroethene	0.119		0.000265	0.00113	1	03/30/2018 02:44	WG1091310
trans-1,2-Dichloroethene	0.000369	J	0.000298	0.00113	1	03/30/2018 02:44	WG1091310
1,2-Dichloropropane	U		0.000404	0.00113	1	03/30/2018 02:44	WG1091310
1,1-Dichloropropene	U		0.000358	0.00113	1	03/30/2018 02:44	WG1091310
1,3-Dichloropropane	U		0.000234	0.00113	1	03/30/2018 02:44	WG1091310
cis-1,3-Dichloropropene	U		0.000296	0.00113	1	03/30/2018 02:44	WG1091310
trans-1,3-Dichloropropene	U		0.000301	0.00113	1	03/30/2018 02:44	WG1091310
trans-1,4-Dichloro-2-butene	U		0.000878	0.00282	1	03/30/2018 02:44	WG1091310
2,2-Dichloropropane	U		0.000315	0.00113	1	03/30/2018 02:44	WG1091310
Di-isopropyl ether	U		0.000280	0.00113	1	03/30/2018 02:44	WG1091310
Ethylbenzene	U		0.000335	0.00113	1	03/30/2018 02:44	WG1091310
Hexachloro-1,3-butadiene	U		0.000386	0.00113	1	03/30/2018 02:44	WG1091310
2-Hexanone	U		0.00155	0.0113	1	03/30/2018 02:44	WG1091310
n-Hexane	U		0.000327	0.0113	1	03/30/2018 02:44	WG1091310
Iodomethane	U		0.00286	0.0113	1	03/30/2018 02:44	WG1091310
Isopropylbenzene	U		0.000274	0.00113	1	03/30/2018 02:44	WG1091310
p-Isopropyltoluene	U		0.000230	0.00113	1	03/30/2018 02:44	WG1091310
2-Butanone (MEK)	U		0.00528	0.0113	1	03/30/2018 02:44	WG1091310
Methylene Chloride	U		0.00113	0.00564	1	03/30/2018 02:44	WG1091310
4-Methyl-2-pentanone (MIBK)	U		0.00212	0.0113	1	03/30/2018 02:44	WG1091310

IW-47B-65

Collected date/time: 03/22/18 14:17

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000239	0.00113	1	03/30/2018 02:44	WG1091310
Naphthalene	U		0.00113	0.00564	1	03/30/2018 02:44	WG1091310
n-Propylbenzene	U		0.000233	0.00113	1	03/30/2018 02:44	WG1091310
Styrene	U		0.000264	0.00113	1	03/30/2018 02:44	WG1091310
1,1,1,2-Tetrachloroethane	U		0.000298	0.00113	1	03/30/2018 02:44	WG1091310
1,1,2,2-Tetrachloroethane	U		0.000412	0.00113	1	03/30/2018 02:44	WG1091310
1,1,2-Trichlorotrifluoroethane	U		0.000412	0.00113	1	03/30/2018 02:44	WG1091310
Tetrachloroethene	0.0244		0.000312	0.00113	1	03/30/2018 02:44	WG1091310
Toluene	U		0.000490	0.00564	1	03/30/2018 02:44	WG1091310
1,2,3-Trichlorobenzene	U		0.000345	0.00113	1	03/30/2018 02:44	WG1091310
1,2,4-Trichlorobenzene	U		0.000438	0.00113	1	03/30/2018 02:44	WG1091310
1,1,1-Trichloroethane	U		0.000323	0.00113	1	03/30/2018 02:44	WG1091310
1,1,2-Trichloroethane	U		0.000313	0.00113	1	03/30/2018 02:44	WG1091310
Trichloroethene	0.00115		0.000315	0.00113	1	03/30/2018 02:44	WG1091310
Trichlorofluoromethane	U		0.000431	0.00564	1	03/30/2018 02:44	WG1091310
1,2,3-Trichloropropane	U		0.000836	0.00282	1	03/30/2018 02:44	WG1091310
1,2,4-Trimethylbenzene	U		0.000238	0.00113	1	03/30/2018 02:44	WG1091310
1,2,3-Trimethylbenzene	U		0.000324	0.00113	1	03/30/2018 02:44	WG1091310
1,3,5-Trimethylbenzene	U		0.000300	0.00113	1	03/30/2018 02:44	WG1091310
Vinyl acetate	U		0.00270	0.0113	1	03/30/2018 02:44	WG1091310
Vinyl chloride	0.00491		0.000328	0.00113	1	03/30/2018 02:44	WG1091310
Xylenes, Total	U		0.000788	0.00339	1	03/30/2018 02:44	WG1091310
(S) Toluene-d8	*98.4*			*80.0-120*		*03/30/2018 02:44*	WG1091310
(S) Dibromofluoromethane	*107*			*74.0-131*		*03/30/2018 02:44*	WG1091310
(S) 4-Bromofluorobenzene	*106*			*64.0-132*		*03/30/2018 02:44*	WG1091310

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	89.6		1	03/30/2018 17:11	WG1091657

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.0175	J	0.0112	0.0558	1	03/30/2018 03:05	WG1091310
Acrylonitrile	U		0.00200	0.0112	1	03/30/2018 03:05	WG1091310
Benzene	U		0.000301	0.00112	1	03/30/2018 03:05	WG1091310
Bromobenzene	U		0.000317	0.00112	1	03/30/2018 03:05	WG1091310
Bromodichloromethane	U		0.000284	0.00112	1	03/30/2018 03:05	WG1091310
Bromochloromethane	U		0.000435	0.00558	1	03/30/2018 03:05	WG1091310
Bromoform	U		0.000473	0.00112	1	03/30/2018 03:05	WG1091310
Bromomethane	U		0.00150	0.00558	1	03/30/2018 03:05	WG1091310
n-Butylbenzene	U		0.000288	0.00112	1	03/30/2018 03:05	WG1091310
sec-Butylbenzene	U		0.000224	0.00112	1	03/30/2018 03:05	WG1091310
tert-Butylbenzene	U		0.000230	0.00112	1	03/30/2018 03:05	WG1091310
Carbon disulfide	0.00163		0.000247	0.00112	1	03/30/2018 03:05	WG1091310
Carbon tetrachloride	U		0.000366	0.00112	1	03/30/2018 03:05	WG1091310
Chlorobenzene	U		0.000237	0.00112	1	03/30/2018 03:05	WG1091310
Chlorodibromomethane	U		0.000416	0.00112	1	03/30/2018 03:05	WG1091310
Chloroethane	U		0.00106	0.00558	1	03/30/2018 03:05	WG1091310
Chloroform	U		0.000256	0.00558	1	03/30/2018 03:05	WG1091310
Chloromethane	U		0.000419	0.00279	1	03/30/2018 03:05	WG1091310
2-Chlorotoluene	U		0.000336	0.00112	1	03/30/2018 03:05	WG1091310
4-Chlorotoluene	U		0.000268	0.00112	1	03/30/2018 03:05	WG1091310
1,2-Dibromo-3-Chloropropane	U		0.00117	0.00558	1	03/30/2018 03:05	WG1091310
1,2-Dibromoethane	U		0.000383	0.00112	1	03/30/2018 03:05	WG1091310
Dibromomethane	U		0.000426	0.00112	1	03/30/2018 03:05	WG1091310
1,2-Dichlorobenzene	U		0.000340	0.00112	1	03/30/2018 03:05	WG1091310
1,3-Dichlorobenzene	U		0.000267	0.00112	1	03/30/2018 03:05	WG1091310
1,4-Dichlorobenzene	U		0.000252	0.00112	1	03/30/2018 03:05	WG1091310
Dichlorodifluoromethane	U		0.000796	0.00558	1	03/30/2018 03:05	WG1091310
1,1-Dichloroethane	U		0.000222	0.00112	1	03/30/2018 03:05	WG1091310
1,2-Dichloroethane	U		0.000296	0.00112	1	03/30/2018 03:05	WG1091310
1,1-Dichloroethene	0.0164		0.000338	0.00112	1	03/30/2018 03:05	WG1091310
cis-1,2-Dichloroethene	2.21		0.0525	0.223	200	04/01/2018 17:30	WG1091310
trans-1,2-Dichloroethene	0.00244		0.000295	0.00112	1	03/30/2018 03:05	WG1091310
1,2-Dichloropropane	U		0.000400	0.00112	1	03/30/2018 03:05	WG1091310
1,1-Dichloropropene	U		0.000354	0.00112	1	03/30/2018 03:05	WG1091310
1,3-Dichloropropane	U		0.000231	0.00112	1	03/30/2018 03:05	WG1091310
cis-1,3-Dichloropropene	U		0.000292	0.00112	1	03/30/2018 03:05	WG1091310
trans-1,3-Dichloropropene	U		0.000298	0.00112	1	03/30/2018 03:05	WG1091310
trans-1,4-Dichloro-2-butene	U		0.000869	0.00279	1	03/30/2018 03:05	WG1091310
2,2-Dichloropropane	U		0.000311	0.00112	1	03/30/2018 03:05	WG1091310
Di-isopropyl ether	U		0.000277	0.00112	1	03/30/2018 03:05	WG1091310
Ethylbenzene	U		0.000332	0.00112	1	03/30/2018 03:05	WG1091310
Hexachloro-1,3-butadiene	U		0.000382	0.00112	1	03/30/2018 03:05	WG1091310
2-Hexanone	U		0.00153	0.0112	1	03/30/2018 03:05	WG1091310
n-Hexane	U		0.000324	0.0112	1	03/30/2018 03:05	WG1091310
Iodomethane	U		0.00282	0.0112	1	03/30/2018 03:05	WG1091310
Isopropylbenzene	U		0.000271	0.00112	1	03/30/2018 03:05	WG1091310
p-Isopropyltoluene	U		0.000228	0.00112	1	03/30/2018 03:05	WG1091310
2-Butanone (MEK)	U		0.00522	0.0112	1	03/30/2018 03:05	WG1091310
Methylene Chloride	U		0.00112	0.00558	1	03/30/2018 03:05	WG1091310
4-Methyl-2-pentanone (MIBK)	U		0.00210	0.0112	1	03/30/2018 03:05	WG1091310

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000237	0.00112	1	03/30/2018 03:05	WG1091310
Naphthalene	U		0.00112	0.00558	1	03/30/2018 03:05	WG1091310
n-Propylbenzene	U		0.000230	0.00112	1	03/30/2018 03:05	WG1091310
Styrene	U		0.000261	0.00112	1	03/30/2018 03:05	WG1091310
1,1,1,2-Tetrachloroethane	U		0.000295	0.00112	1	03/30/2018 03:05	WG1091310
1,1,2,2-Tetrachloroethane	U		0.000407	0.00112	1	03/30/2018 03:05	WG1091310
1,1,2-Trichlorotrifluoroethane	U		0.000407	0.00112	1	03/30/2018 03:05	WG1091310
Tetrachloroethene	0.0312		0.000308	0.00112	1	03/30/2018 03:05	WG1091310
Toluene	U		0.000485	0.00558	1	03/30/2018 03:05	WG1091310
1,2,3-Trichlorobenzene	U		0.000342	0.00112	1	03/30/2018 03:05	WG1091310
1,2,4-Trichlorobenzene	U		0.000433	0.00112	1	03/30/2018 03:05	WG1091310
1,1,1-Trichloroethane	U		0.000319	0.00112	1	03/30/2018 03:05	WG1091310
1,1,2-Trichloroethane	U		0.000309	0.00112	1	03/30/2018 03:05	WG1091310
Trichloroethene	0.00264		0.000311	0.00112	1	03/30/2018 03:05	WG1091310
Trichlorofluoromethane	U		0.000426	0.00558	1	03/30/2018 03:05	WG1091310
1,2,3-Trichloropropane	U		0.000827	0.00279	1	03/30/2018 03:05	WG1091310
1,2,4-Trimethylbenzene	U		0.000236	0.00112	1	03/30/2018 03:05	WG1091310
1,2,3-Trimethylbenzene	U		0.000320	0.00112	1	03/30/2018 03:05	WG1091310
1,3,5-Trimethylbenzene	U		0.000297	0.00112	1	03/30/2018 03:05	WG1091310
Vinyl acetate	U		0.00267	0.0112	1	03/30/2018 03:05	WG1091310
Vinyl chloride	0.0168		0.000325	0.00112	1	03/30/2018 03:05	WG1091310
Xylenes, Total	U		0.000779	0.00335	1	03/30/2018 03:05	WG1091310
(S) Toluene-d8	*104*			*80.0-120*		*04/01/2018 17:30*	WG1091310
(S) Toluene-d8	*100*			*80.0-120*		*03/30/2018 03:05*	WG1091310
(S) Dibromofluoromethane	*98.1*			*74.0-131*		*04/01/2018 17:30*	WG1091310
(S) Dibromofluoromethane	*106*			*74.0-131*		*03/30/2018 03:05*	WG1091310
(S) 4-Bromofluorobenzene	*99.8*			*64.0-132*		*04/01/2018 17:30*	WG1091310
(S) 4-Bromofluorobenzene	*109*			*64.0-132*		*03/30/2018 03:05*	WG1091310

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	89.9		1	03/30/2018 17:11	WG1091657

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0111	0.0556	1	03/30/2018 03:26	WG1091310
Acrylonitrile	U		0.00199	0.0111	1	03/30/2018 03:26	WG1091310
Benzene	U		0.000300	0.00111	1	03/30/2018 03:26	WG1091310
Bromobenzene	U		0.000316	0.00111	1	03/30/2018 03:26	WG1091310
Bromodichloromethane	U		0.000283	0.00111	1	03/30/2018 03:26	WG1091310
Bromochloromethane	U		0.000434	0.00556	1	03/30/2018 03:26	WG1091310
Bromoform	U		0.000472	0.00111	1	03/30/2018 03:26	WG1091310
Bromomethane	U		0.00149	0.00556	1	03/30/2018 03:26	WG1091310
n-Butylbenzene	U		0.000287	0.00111	1	03/30/2018 03:26	WG1091310
sec-Butylbenzene	U		0.000224	0.00111	1	03/30/2018 03:26	WG1091310
tert-Butylbenzene	U		0.000229	0.00111	1	03/30/2018 03:26	WG1091310
Carbon disulfide	0.000338	J	0.000246	0.00111	1	03/30/2018 03:26	WG1091310
Carbon tetrachloride	U		0.000365	0.00111	1	03/30/2018 03:26	WG1091310
Chlorobenzene	U		0.000236	0.00111	1	03/30/2018 03:26	WG1091310
Chlorodibromomethane	U		0.000415	0.00111	1	03/30/2018 03:26	WG1091310
Chloroethane	U		0.00105	0.00556	1	03/30/2018 03:26	WG1091310
Chloroform	U		0.000255	0.00556	1	03/30/2018 03:26	WG1091310
Chloromethane	U		0.000417	0.00278	1	03/30/2018 03:26	WG1091310
2-Chlorotoluene	U		0.000335	0.00111	1	03/30/2018 03:26	WG1091310
4-Chlorotoluene	U		0.000267	0.00111	1	03/30/2018 03:26	WG1091310
1,2-Dibromo-3-Chloropropane	U		0.00117	0.00556	1	03/30/2018 03:26	WG1091310
1,2-Dibromoethane	U		0.000382	0.00111	1	03/30/2018 03:26	WG1091310
Dibromomethane	U		0.000425	0.00111	1	03/30/2018 03:26	WG1091310
1,2-Dichlorobenzene	U		0.000339	0.00111	1	03/30/2018 03:26	WG1091310
1,3-Dichlorobenzene	U		0.000266	0.00111	1	03/30/2018 03:26	WG1091310
1,4-Dichlorobenzene	U		0.000252	0.00111	1	03/30/2018 03:26	WG1091310
Dichlorodifluoromethane	U		0.000793	0.00556	1	03/30/2018 03:26	WG1091310
1,1-Dichloroethane	U		0.000221	0.00111	1	03/30/2018 03:26	WG1091310
1,2-Dichloroethane	U		0.000295	0.00111	1	03/30/2018 03:26	WG1091310
1,1-Dichloroethene	U		0.000337	0.00111	1	03/30/2018 03:26	WG1091310
cis-1,2-Dichloroethene	0.00197		0.000262	0.00111	1	04/01/2018 14:41	WG1091310
trans-1,2-Dichloroethene	U		0.000294	0.00111	1	03/30/2018 03:26	WG1091310
1,2-Dichloropropane	U		0.000398	0.00111	1	03/30/2018 03:26	WG1091310
1,1-Dichloropropene	U		0.000353	0.00111	1	03/30/2018 03:26	WG1091310
1,3-Dichloropropane	U		0.000230	0.00111	1	03/30/2018 03:26	WG1091310
cis-1,3-Dichloropropene	U		0.000292	0.00111	1	03/30/2018 03:26	WG1091310
trans-1,3-Dichloropropene	U		0.000297	0.00111	1	03/30/2018 03:26	WG1091310
trans-1,4-Dichloro-2-butene	U		0.000866	0.00278	1	03/30/2018 03:26	WG1091310
2,2-Dichloropropane	U		0.000310	0.00111	1	03/30/2018 03:26	WG1091310
Di-isopropyl ether	U		0.000276	0.00111	1	03/30/2018 03:26	WG1091310
Ethylbenzene	U		0.000331	0.00111	1	03/30/2018 03:26	WG1091310
Hexachloro-1,3-butadiene	U		0.000381	0.00111	1	03/30/2018 03:26	WG1091310
2-Hexanone	U		0.00152	0.0111	1	03/30/2018 03:26	WG1091310
n-Hexane	U		0.000323	0.0111	1	03/30/2018 03:26	WG1091310
Iodomethane	U		0.00282	0.0111	1	03/30/2018 03:26	WG1091310
Isopropylbenzene	U		0.000270	0.00111	1	03/30/2018 03:26	WG1091310
p-Isopropyltoluene	U		0.000227	0.00111	1	03/30/2018 03:26	WG1091310
2-Butanone (MEK)	U		0.00521	0.0111	1	03/30/2018 03:26	WG1091310
Methylene Chloride	U		0.00111	0.00556	1	03/30/2018 03:26	WG1091310
4-Methyl-2-pentanone (MIBK)	U		0.00209	0.0111	1	03/30/2018 03:26	WG1091310

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000236	0.00111	1	03/30/2018 03:26	WG1091310
Naphthalene	U		0.00111	0.00556	1	03/30/2018 03:26	WG1091310
n-Propylbenzene	U		0.000229	0.00111	1	03/30/2018 03:26	WG1091310
Styrene	U		0.000260	0.00111	1	03/30/2018 03:26	WG1091310
1,1,1,2-Tetrachloroethane	U		0.000294	0.00111	1	03/30/2018 03:26	WG1091310
1,1,2,2-Tetrachloroethane	U		0.000406	0.00111	1	03/30/2018 03:26	WG1091310
1,1,2-Trichlorotrifluoroethane	U		0.000406	0.00111	1	03/30/2018 03:26	WG1091310
Tetrachloroethene	0.000331	J	0.000307	0.00111	1	03/30/2018 03:26	WG1091310
Toluene	U		0.000483	0.00556	1	03/30/2018 03:26	WG1091310
1,2,3-Trichlorobenzene	U		0.000341	0.00111	1	03/30/2018 03:26	WG1091310
1,2,4-Trichlorobenzene	U		0.000432	0.00111	1	03/30/2018 03:26	WG1091310
1,1,1-Trichloroethane	U		0.000318	0.00111	1	03/30/2018 03:26	WG1091310
1,1,2-Trichloroethane	U		0.000308	0.00111	1	03/30/2018 03:26	WG1091310
Trichloroethene	U		0.000310	0.00111	1	03/30/2018 03:26	WG1091310
Trichlorofluoromethane	U		0.000425	0.00556	1	03/30/2018 03:26	WG1091310
1,2,3-Trichloropropane	U		0.000825	0.00278	1	03/30/2018 03:26	WG1091310
1,2,4-Trimethylbenzene	U		0.000235	0.00111	1	03/30/2018 03:26	WG1091310
1,2,3-Trimethylbenzene	U		0.000319	0.00111	1	03/30/2018 03:26	WG1091310
1,3,5-Trimethylbenzene	U		0.000296	0.00111	1	03/30/2018 03:26	WG1091310
Vinyl acetate	U		0.00266	0.0111	1	03/30/2018 03:26	WG1091310
Vinyl chloride	U		0.000324	0.00111	1	03/30/2018 03:26	WG1091310
Xylenes, Total	U		0.000777	0.00334	1	03/30/2018 03:26	WG1091310
(S) Toluene-d8	*99.1*			*80.0-120*		*03/30/2018 03:26*	WG1091310
(S) Toluene-d8	*101*			*80.0-120*		*04/01/2018 14:41*	WG1091310
(S) Dibromofluoromethane	*107*			*74.0-131*		*03/30/2018 03:26*	WG1091310
(S) Dibromofluoromethane	*102*			*74.0-131*		*04/01/2018 14:41*	WG1091310
(S) 4-Bromofluorobenzene	*104*			*64.0-132*		*04/01/2018 14:41*	WG1091310
(S) 4-Bromofluorobenzene	*106*			*64.0-132*		*03/30/2018 03:26*	WG1091310

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260C

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	ug/l		ug/l	ug/l		date / time	
Acetone	U		1.05	25.0	1	03/28/2018 11:44	WG1090417
Acrylonitrile	U	J0	0.873	5.00	1	03/28/2018 11:44	WG1090417
Benzene	U		0.0896	0.500	1	03/28/2018 11:44	WG1090417
Bromobenzene	U		0.133	0.500	1	03/28/2018 11:44	WG1090417
Bromodichloromethane	U		0.0800	0.500	1	03/28/2018 11:44	WG1090417
Bromochloromethane	U		0.145	0.500	1	03/28/2018 11:44	WG1090417
Bromoform	U		0.186	0.500	1	03/28/2018 11:44	WG1090417
Bromomethane	U		0.157	2.50	1	03/28/2018 11:44	WG1090417
n-Butylbenzene	U		0.143	0.500	1	03/28/2018 11:44	WG1090417
sec-Butylbenzene	U		0.134	0.500	1	03/28/2018 11:44	WG1090417
tert-Butylbenzene	U		0.183	0.500	1	03/28/2018 11:44	WG1090417
Carbon disulfide	U		0.101	0.500	1	03/28/2018 11:44	WG1090417
Carbon tetrachloride	U		0.159	0.500	1	03/28/2018 11:44	WG1090417
Chlorobenzene	U		0.140	0.500	1	03/28/2018 11:44	WG1090417
Chlorodibromomethane	U		0.128	0.500	1	03/28/2018 11:44	WG1090417
Chloroethane	U		0.141	2.50	1	03/28/2018 11:44	WG1090417
Chloroform	U		0.0860	0.500	1	03/28/2018 11:44	WG1090417
Chloromethane	U	J0	0.153	1.25	1	03/28/2018 11:44	WG1090417
2-Chlorotoluene	U		0.111	0.500	1	03/28/2018 11:44	WG1090417
4-Chlorotoluene	U		0.0972	0.500	1	03/28/2018 11:44	WG1090417
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	03/28/2018 11:44	WG1090417
1,2-Dibromoethane	U		0.193	0.500	1	03/28/2018 11:44	WG1090417
Dibromomethane	U		0.117	0.500	1	03/28/2018 11:44	WG1090417
1,2-Dichlorobenzene	U		0.101	0.500	1	03/28/2018 11:44	WG1090417
1,3-Dichlorobenzene	U		0.130	0.500	1	03/28/2018 11:44	WG1090417
1,4-Dichlorobenzene	U		0.121	0.500	1	03/28/2018 11:44	WG1090417
Dichlorodifluoromethane	U		0.127	2.50	1	03/28/2018 11:44	WG1090417
1,1-Dichloroethane	U		0.114	0.500	1	03/28/2018 11:44	WG1090417
1,2-Dichloroethane	U		0.108	0.500	1	03/28/2018 11:44	WG1090417
1,1-Dichloroethene	U		0.188	0.500	1	03/28/2018 11:44	WG1090417
cis-1,2-Dichloroethene	U		0.0933	0.500	1	03/28/2018 11:44	WG1090417
trans-1,2-Dichloroethene	U		0.152	0.500	1	03/28/2018 11:44	WG1090417
1,2-Dichloropropane	U		0.190	0.500	1	03/28/2018 11:44	WG1090417
1,1-Dichloropropene	U		0.128	0.500	1	03/28/2018 11:44	WG1090417
1,3-Dichloropropane	U		0.147	1.00	1	03/28/2018 11:44	WG1090417
cis-1,3-Dichloropropene	U		0.0976	0.500	1	03/28/2018 11:44	WG1090417
trans-1,3-Dichloropropene	U		0.222	0.500	1	03/28/2018 11:44	WG1090417
trans-1,4-Dichloro-2-butene	U	J0	0.257	5.00	1	03/28/2018 11:44	WG1090417
2,2-Dichloropropane	U		0.0929	0.500	1	03/28/2018 11:44	WG1090417
Di-isopropyl ether	U	J0	0.0924	0.500	1	03/28/2018 11:44	WG1090417
Ethylbenzene	U		0.158	0.500	1	03/28/2018 11:44	WG1090417
Hexachloro-1,3-butadiene	U		0.157	1.00	1	03/28/2018 11:44	WG1090417
2-Hexanone	U		0.757	5.00	1	03/28/2018 11:44	WG1090417
n-Hexane	U		0.305	5.00	1	03/28/2018 11:44	WG1090417
Iodomethane	U		0.377	10.0	1	03/28/2018 11:44	WG1090417
Isopropylbenzene	U		0.126	0.500	1	03/28/2018 11:44	WG1090417
p-Isopropyltoluene	U		0.138	0.500	1	03/28/2018 11:44	WG1090417
2-Butanone (MEK)	U	J0	1.28	5.00	1	03/28/2018 11:44	WG1090417
Methylene Chloride	U		1.07	2.50	1	03/28/2018 11:44	WG1090417
4-Methyl-2-pentanone (MIBK)	U	J0	0.823	5.00	1	03/28/2018 11:44	WG1090417
Methyl tert-butyl ether	U		0.102	0.500	1	03/28/2018 11:44	WG1090417
Naphthalene	U		0.174	2.50	1	03/28/2018 11:44	WG1090417
n-Propylbenzene	U		0.162	0.500	1	03/28/2018 11:44	WG1090417
Styrene	U		0.117	0.500	1	03/28/2018 11:44	WG1090417
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	03/28/2018 11:44	WG1090417
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	03/28/2018 11:44	WG1090417

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	03/28/2018 11:44	WG1090417
Tetrachloroethene	U		0.199	0.500	1	03/28/2018 11:44	WG1090417
Toluene	U		0.412	0.500	1	03/28/2018 11:44	WG1090417
1,2,3-Trichlorobenzene	U		0.164	0.500	1	03/28/2018 11:44	WG1090417
1,2,4-Trichlorobenzene	U		0.355	0.500	1	03/28/2018 11:44	WG1090417
1,1,1-Trichloroethane	U		0.0940	0.500	1	03/28/2018 11:44	WG1090417
1,1,2-Trichloroethane	U		0.186	0.500	1	03/28/2018 11:44	WG1090417
Trichloroethene	U		0.153	0.500	1	03/28/2018 11:44	WG1090417
Trichlorofluoromethane	U		0.130	2.50	1	03/28/2018 11:44	WG1090417
1,2,3-Trichloropropane	U		0.247	2.50	1	03/28/2018 11:44	WG1090417
1,2,4-Trimethylbenzene	U		0.123	0.500	1	03/28/2018 11:44	WG1090417
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	03/28/2018 11:44	WG1090417
1,3,5-Trimethylbenzene	U		0.124	0.500	1	03/28/2018 11:44	WG1090417
Vinyl acetate	U	J0	0.645	5.00	1	03/28/2018 11:44	WG1090417
Vinyl chloride	U		0.118	0.500	1	03/28/2018 11:44	WG1090417
Xylenes, Total	U		0.316	1.50	1	03/28/2018 11:44	WG1090417
(S) Toluene-d8	*101*			*80.0-120*		*03/28/2018 11:44*	WG1090417
(S) Dibromofluoromethane	*100*			*76.0-123*		*03/28/2018 11:44*	WG1090417
(S) 4-Bromofluorobenzene	*90.8*			*80.0-120*		*03/28/2018 11:44*	WG1090417

Method Blank (MB)

(MB) R3298086-1 03/30/18 15:16

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.000			

L980719-07 Original Sample (OS) • Duplicate (DUP)

(OS) L980719-07 03/30/18 15:16 • (DUP) R3298086-3 03/30/18 15:16

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	85.1	85.0	1	0.203		5

Laboratory Control Sample (LCS)

(LCS) R3298086-2 03/30/18 15:16

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	85.0-115	

Method Blank (MB)

(MB) R3298000-1 03/30/18 17:11

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.00100			

L980722-06 Original Sample (OS) • Duplicate (DUP)

(OS) L980722-06 03/30/18 17:11 • (DUP) R3298000-3 03/30/18 17:11

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	89.4	91.0	1	1.73		5

Laboratory Control Sample (LCS)

(LCS) R3298000-2 03/30/18 17:11

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	99.9	85.0-115	

Method Blank (MB)

(MB) R3297224-2 03/28/18 10:29

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Acetone	U		1.05	25.0
Acrylonitrile	U		0.873	5.00
Benzene	U		0.0896	0.500
Bromobenzene	U		0.133	0.500
Bromodichloromethane	U		0.0800	0.500
Bromochloromethane	U		0.145	0.500
Bromoform	U		0.186	0.500
Bromomethane	U		0.157	2.50
n-Butylbenzene	U		0.143	0.500
sec-Butylbenzene	U		0.134	0.500
tert-Butylbenzene	U		0.183	0.500
Carbon disulfide	U		0.101	0.500
Carbon tetrachloride	U		0.159	0.500
Chlorobenzene	U		0.140	0.500
Chlorodibromomethane	U		0.128	0.500
Chloroethane	U		0.141	2.50
2-Chlorotoluene	U		0.111	0.500
Chloroform	U		0.0860	0.500
4-Chlorotoluene	U		0.0972	0.500
Chloromethane	U		0.153	1.25
Dibromomethane	U		0.117	0.500
1,2-Dibromo-3-Chloropropane	U		0.325	2.50
1,2-Dibromoethane	U		0.193	0.500
1,2-Dichlorobenzene	U		0.101	0.500
1,3-Dichlorobenzene	U		0.130	0.500
1,4-Dichlorobenzene	U		0.121	0.500
Dichlorodifluoromethane	U		0.127	2.50
1,1-Dichloroethane	U		0.114	0.500
1,1-Dichloropropene	U		0.128	0.500
1,2-Dichloroethane	U		0.108	0.500
1,1-Dichloroethene	U		0.188	0.500
1,3-Dichloropropane	U		0.147	1.00
cis-1,2-Dichloroethene	U		0.0933	0.500
trans-1,2-Dichloroethene	U		0.152	0.500
1,2-Dichloropropane	U		0.190	0.500
trans-1,4-Dichloro-2-butene	U		0.257	5.00
2,2-Dichloropropane	U		0.0929	0.500
Di-isopropyl ether	U		0.0924	0.500
cis-1,3-Dichloropropene	U		0.0976	0.500
Hexachloro-1,3-butadiene	U		0.157	1.00

QUALITY CONTROL SUMMARY

Method Blank (MB)

(MB) R3297224-2 03/28/18 10:29

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
trans-1,3-Dichloropropene	U		0.222	0.500
n-Hexane	U		0.305	5.00
Iodomethane	U		0.377	10.0
Ethylbenzene	U		0.158	0.500
p-Isopropyltoluene	U		0.138	0.500
2-Hexanone	U		0.757	5.00
n-Propylbenzene	U		0.162	0.500
Isopropylbenzene	U		0.126	0.500
1,1,1,2-Tetrachloroethane	U		0.120	0.500
2-Butanone (MEK)	U		1.28	5.00
Methylene Chloride	U		1.07	2.50
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00
Methyl tert-butyl ether	U		0.102	0.500
Naphthalene	U		0.174	2.50
1,2,3-Trichloropropane	U		0.247	2.50
1,2,4-Trimethylbenzene	U		0.123	0.500
Styrene	U		0.117	0.500
1,2,3-Trimethylbenzene	U		0.0739	0.500
1,1,2,2-Tetrachloroethane	U		0.130	0.500
1,3,5-Trimethylbenzene	U		0.124	0.500
Tetrachloroethene	U		0.199	0.500
Vinyl acetate	U		0.645	5.00
Toluene	U		0.412	0.500
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500
1,2,3-Trichlorobenzene	U		0.164	0.500
1,2,4-Trichlorobenzene	U		0.355	0.500
1,1,1-Trichloroethane	U		0.0940	0.500
1,1,2-Trichloroethane	U		0.186	0.500
Trichloroethene	U		0.153	0.500
Trichlorofluoromethane	U		0.130	2.50
Vinyl chloride	U		0.118	0.500
Xylenes, Total	U		0.316	1.50
(S) Toluene-d8	*105*			*80.0-120*
(S) Dibromofluoromethane	*100*			*76.0-123*
(S) 4-Bromofluorobenzene	*93.0*			*80.0-120*

Laboratory Control Sample (LCS)

(LCS) R3297224-1 03/28/18 09:30

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acrylonitrile	125	97.2	77.7	60.0-142	
Bromobenzene	25.0	22.5	89.9	79.0-120	
n-Butylbenzene	25.0	23.2	93.0	72.0-126	
sec-Butylbenzene	25.0	24.7	98.7	74.0-121	
tert-Butylbenzene	25.0	23.7	94.9	75.0-122	
2-Chlorotoluene	25.0	21.7	86.8	74.0-122	
4-Chlorotoluene	25.0	21.8	87.4	79.0-120	
Dibromomethane	25.0	21.3	85.2	78.0-120	
1,1-Dichloropropene	25.0	23.5	93.8	71.0-129	
1,3-Dichloropropane	25.0	25.3	101	80.0-121	
Acetone	125	104	83.6	10.0-160	
Benzene	25.0	21.8	87.2	69.0-123	
trans-1,4-Dichloro-2-butene	25.0	18.1	72.5	55.0-134	
2,2-Dichloropropane	25.0	21.7	86.9	60.0-125	
Bromodichloromethane	25.0	21.3	85.0	76.0-120	
Di-isopropyl ether	25.0	18.1	72.6	59.0-133	
Bromochloromethane	25.0	26.3	105	76.0-122	
Bromoform	25.0	21.0	84.0	67.0-132	
Hexachloro-1,3-butadiene	25.0	22.9	91.6	64.0-131	
Bromomethane	25.0	21.7	87.0	18.0-160	
n-Hexane	25.0	20.0	79.9	56.0-124	
Iodomethane	125	116	92.5	57.0-140	
p-Isopropyltoluene	25.0	24.3	97.0	74.0-126	
Carbon disulfide	25.0	20.7	83.0	55.0-127	
Carbon tetrachloride	25.0	24.2	96.7	63.0-122	
Chlorobenzene	25.0	25.8	103	79.0-121	
Chlorodibromomethane	25.0	26.2	105	75.0-125	
Chloroethane	25.0	22.0	88.0	47.0-152	
n-Propylbenzene	25.0	22.1	88.2	79.0-120	
Chloroform	25.0	22.1	88.2	72.0-121	
1,1,1,2-Tetrachloroethane	25.0	26.5	106	75.0-122	
Chloromethane	25.0	18.6	74.3	48.0-139	
1,2-Dibromo-3-Chloropropane	25.0	24.8	99.4	64.0-127	
1,2-Dibromoethane	25.0	26.0	104	77.0-123	
1,2-Dichlorobenzene	25.0	26.3	105	80.0-120	
1,3-Dichlorobenzene	25.0	25.2	101	72.0-123	
1,4-Dichlorobenzene	25.0	25.8	103	77.0-120	
Dichlorodifluoromethane	25.0	22.3	89.3	49.0-155	
1,2,3-Trichloropropane	25.0	23.4	93.5	72.0-124	
1,1-Dichloroethane	25.0	21.9	87.5	70.0-126	

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Laboratory Control Sample (LCS)

(LCS) R3297224-1 03/28/18 09:30

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
1,2,4-Trimethylbenzene	25.0	23.0	91.8	75.0-120	
1,2,3-Trimethylbenzene	25.0	24.1	96.4	75.0-120	
1,2-Dichloroethane	25.0	23.7	94.7	67.0-126	
1,1-Dichloroethene	25.0	20.4	81.5	64.0-129	
1,3,5-Trimethylbenzene	25.0	24.1	96.5	75.0-120	
cis-1,2-Dichloroethene	25.0	20.6	82.6	73.0-120	
Vinyl acetate	125	96.6	77.3	46.0-160	
trans-1,2-Dichloroethene	25.0	20.2	80.8	71.0-121	
1,2-Dichloropropane	25.0	22.0	88.0	75.0-125	
cis-1,3-Dichloropropene	25.0	24.2	96.9	79.0-123	
trans-1,3-Dichloropropene	25.0	23.6	94.5	74.0-127	
Ethylbenzene	25.0	24.6	98.4	77.0-120	
2-Hexanone	125	110	88.1	58.0-147	
Isopropylbenzene	25.0	23.1	92.2	75.0-120	
2-Butanone (MEK)	125	101	80.6	37.0-158	
Methylene Chloride	25.0	20.8	83.1	66.0-121	
4-Methyl-2-pentanone (MIBK)	125	101	80.6	59.0-143	
Methyl tert-butyl ether	25.0	23.2	92.8	64.0-123	
Naphthalene	25.0	26.4	106	62.0-128	
Styrene	25.0	23.0	91.9	78.0-124	
1,1,2,2-Tetrachloroethane	25.0	22.0	88.1	71.0-122	
Tetrachloroethene	25.0	25.6	102	70.0-127	
Toluene	25.0	22.5	90.0	77.0-120	
1,1,2-Trichlorotrifluoroethane	25.0	22.8	91.4	61.0-136	
1,2,3-Trichlorobenzene	25.0	25.0	99.9	61.0-133	
1,2,4-Trichlorobenzene	25.0	24.1	96.3	69.0-129	
1,1,1-Trichloroethane	25.0	21.8	87.1	68.0-122	
1,1,2-Trichloroethane	25.0	23.3	93.4	78.0-120	
Trichloroethene	25.0	23.7	94.8	78.0-120	
Trichlorofluoromethane	25.0	27.0	108	56.0-137	
Vinyl chloride	25.0	25.3	101	64.0-133	
Xylenes, Total	75.0	74.8	99.7	77.0-120	
(S) Toluene-d8			*105*	*80.0-120*	
(S) Dibromofluoromethane			*103*	*76.0-123*	
(S) 4-Bromofluorobenzene			*93.9*	*80.0-120*	

Method Blank (MB)

(MB) R3297717-3 03/29/18 13:32

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acetone	U		0.0100	0.0500
Acrylonitrile	U		0.00179	0.0100
Benzene	U		0.000270	0.00100
Bromobenzene	U		0.000284	0.00100
Bromodichloromethane	U		0.000254	0.00100
Bromochloromethane	U		0.000390	0.00500
Bromoform	U		0.000424	0.00100
Bromomethane	U		0.00134	0.00500
n-Butylbenzene	U		0.000258	0.00100
sec-Butylbenzene	U		0.000201	0.00100
tert-Butylbenzene	U		0.000206	0.00100
Carbon disulfide	U		0.000221	0.00100
Carbon tetrachloride	U		0.000328	0.00100
Chlorobenzene	U		0.000212	0.00100
Chlorodibromomethane	U		0.000373	0.00100
Chloroethane	U		0.000946	0.00500
Chloroform	U		0.000229	0.00500
Chloromethane	U		0.000375	0.00250
2-Chlorotoluene	U		0.000301	0.00100
4-Chlorotoluene	U		0.000240	0.00100
1,2-Dibromo-3-Chloropropane	U		0.00105	0.00500
1,2-Dibromoethane	U		0.000343	0.00100
Dibromomethane	U		0.000382	0.00100
1,2-Dichlorobenzene	U		0.000305	0.00100
1,3-Dichlorobenzene	U		0.000239	0.00100
1,4-Dichlorobenzene	U		0.000226	0.00100
trans-1,4-Dichloro-2-butene	U		0.000778	0.00250
Dichlorodifluoromethane	U		0.000713	0.00500
1,1-Dichloroethane	U		0.000199	0.00100
1,2-Dichloroethane	U		0.000265	0.00100
1,1-Dichloroethene	U		0.000303	0.00100
cis-1,2-Dichloroethene	U		0.000235	0.00100
trans-1,2-Dichloroethene	U		0.000264	0.00100
1,2-Dichloropropane	U		0.000358	0.00100
1,1-Dichloropropene	U		0.000317	0.00100
1,3-Dichloropropane	U		0.000207	0.00100
cis-1,3-Dichloropropene	U		0.000262	0.00100
trans-1,3-Dichloropropene	U		0.000267	0.00100
2,2-Dichloropropane	U		0.000279	0.00100
Di-isopropyl ether	U		0.000248	0.00100

Method Blank (MB)

(MB) R3297717-3 03/29/18 13:32

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Ethylbenzene	U		0.000297	0.00100
Hexachloro-1,3-butadiene	U		0.000342	0.00100
2-Hexanone	U		0.00137	0.0100
n-Hexane	U		0.000290	0.0100
Iodomethane	U		0.00253	0.0100
Isopropylbenzene	U		0.000243	0.00100
p-Isopropyltoluene	U		0.000204	0.00100
2-Butanone (MEK)	U		0.00468	0.0100
Methylene Chloride	U		0.00100	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.00188	0.0100
Methyl tert-butyl ether	U		0.000212	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.000206	0.00100
Styrene	U		0.000234	0.00100
1,1,1,2-Tetrachloroethane	U		0.000264	0.00100
1,1,2,2-Tetrachloroethane	U		0.000365	0.00100
Tetrachloroethene	U		0.000276	0.00100
Toluene	U		0.000434	0.00500
1,1,2-Trichlorotrifluoroethane	U		0.000365	0.00100
1,2,3-Trichlorobenzene	U		0.000306	0.00100
1,2,4-Trichlorobenzene	U		0.000388	0.00100
1,1,1-Trichloroethane	U		0.000286	0.00100
1,1,2-Trichloroethane	U		0.000277	0.00100
Trichloroethene	U		0.000279	0.00100
Trichlorofluoromethane	U		0.000382	0.00500
1,2,3-Trichloropropane	U		0.000741	0.00250
1,2,3-Trimethylbenzene	U		0.000287	0.00100
1,2,4-Trimethylbenzene	U		0.000211	0.00100
1,3,5-Trimethylbenzene	U		0.000266	0.00100
Vinyl acetate	U		0.00239	0.0100
Vinyl chloride	U		0.000291	0.00100
Xylenes, Total	U		0.000698	0.00300
(S) Toluene-d8	*108*			*80.0-120*
(S) Dibromofluoromethane	*97.4*			*74.0-131*
(S) 4-Bromofluorobenzene	*100*			*64.0-132*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3297717-1 03/29/18 12:28 • (LCSD) R3297717-2 03/29/18 12:50

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.125	0.125	0.121	100	97.1	11.0-160			3.23	23
Acrylonitrile	0.125	0.132	0.129	105	103	61.0-143			2.26	20
Benzene	0.0250	0.0251	0.0248	100	99.0	71.0-124			1.29	20
Bromobenzene	0.0250	0.0237	0.0233	94.7	93.3	78.0-120			1.49	20
Bromodichloromethane	0.0250	0.0248	0.0247	99.3	98.6	75.0-120			0.709	20
Bromochloromethane	0.0250	0.0260	0.0256	104	103	80.0-121			1.48	20
Bromoform	0.0250	0.0255	0.0245	102	98.1	65.0-133			4.07	20
Bromomethane	0.0250	0.0230	0.0229	91.9	91.5	26.0-160			0.479	20
n-Butylbenzene	0.0250	0.0248	0.0244	99.1	97.7	73.0-126			1.45	20
sec-Butylbenzene	0.0250	0.0249	0.0247	99.5	98.7	75.0-121			0.877	20
tert-Butylbenzene	0.0250	0.0253	0.0256	101	103	74.0-122			1.36	20
Carbon disulfide	0.0250	0.0250	0.0251	99.9	101	53.0-130			0.652	20
Carbon tetrachloride	0.0250	0.0245	0.0243	97.8	97.2	66.0-123			0.675	20
Chlorobenzene	0.0250	0.0258	0.0262	103	105	79.0-121			1.87	20
Chlorodibromomethane	0.0250	0.0264	0.0271	106	108	74.0-128			2.60	20
Chloroethane	0.0250	0.0235	0.0230	94.1	92.1	51.0-147			2.19	20
Chloroform	0.0250	0.0254	0.0251	102	100	73.0-123			1.48	20
Chloromethane	0.0250	0.0224	0.0221	89.5	88.2	51.0-138			1.48	20
2-Chlorotoluene	0.0250	0.0249	0.0246	99.5	98.3	72.0-124			1.21	20
4-Chlorotoluene	0.0250	0.0237	0.0238	95.0	95.0	78.0-120			0.0228	20
1,2-Dibromo-3-Chloropropane	0.0250	0.0266	0.0245	106	97.8	65.0-126			8.20	20
1,2-Dibromoethane	0.0250	0.0261	0.0260	104	104	78.0-122			0.262	20
Dibromomethane	0.0250	0.0248	0.0243	99.3	97.3	79.0-120			2.09	20
1,2-Dichlorobenzene	0.0250	0.0248	0.0248	99.2	99.1	80.0-120			0.172	20
1,3-Dichlorobenzene	0.0250	0.0247	0.0247	98.9	98.7	72.0-123			0.148	20
1,4-Dichlorobenzene	0.0250	0.0235	0.0233	94.0	93.2	77.0-120			0.780	20
trans-1,4-Dichloro-2-butene	0.0250	0.0245	0.0240	97.9	96.0	68.0-126			1.97	20
Dichlorodifluoromethane	0.0250	0.0179	0.0183	71.7	73.3	49.0-155			2.21	20
1,1-Dichloroethane	0.0250	0.0258	0.0257	103	103	70.0-128			0.522	20
1,2-Dichloroethane	0.0250	0.0248	0.0244	99.1	97.6	69.0-128			1.49	20
1,1-Dichloroethene	0.0250	0.0254	0.0253	101	101	63.0-131			0.397	20
cis-1,2-Dichloroethene	0.0250	0.0254	0.0253	102	101	74.0-123			0.473	20
trans-1,2-Dichloroethene	0.0250	0.0259	0.0258	104	103	72.0-122			0.484	20
1,2-Dichloropropane	0.0250	0.0249	0.0251	99.8	100	75.0-126			0.579	20
1,1-Dichloropropene	0.0250	0.0252	0.0245	101	98.0	72.0-130			2.91	20
1,3-Dichloropropane	0.0250	0.0255	0.0253	102	101	80.0-121			0.932	20
cis-1,3-Dichloropropene	0.0250	0.0262	0.0260	105	104	80.0-125			0.749	20
trans-1,3-Dichloropropene	0.0250	0.0260	0.0261	104	104	75.0-129			0.205	20
2,2-Dichloropropane	0.0250	0.0249	0.0251	99.5	100	60.0-129			0.702	20
Di-isopropyl ether	0.0250	0.0260	0.0254	104	102	62.0-133			2.27	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3297717-1 03/29/18 12:28 • (LCSD) R3297717-2 03/29/18 12:50

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Ethylbenzene	0.0250	0.0259	0.0263	103	105	77.0-120			1.71	20
Hexachloro-1,3-butadiene	0.0250	0.0262	0.0263	105	105	68.0-128			0.319	20
2-Hexanone	0.125	0.132	0.131	106	105	61.0-143			0.897	20
n-Hexane	0.0250	0.0241	0.0238	96.3	95.0	57.0-125			1.37	20
Iodomethane	0.125	0.127	0.128	101	102	67.0-132			0.804	20
Isopropylbenzene	0.0250	0.0245	0.0246	98.0	98.3	75.0-120			0.233	20
p-Isopropyltoluene	0.0250	0.0258	0.0257	103	103	74.0-125			0.224	20
2-Butanone (MEK)	0.125	0.128	0.123	103	98.7	37.0-159			3.84	20
Methylene Chloride	0.0250	0.0250	0.0248	100	99.4	67.0-123			0.606	20
4-Methyl-2-pentanone (MIBK)	0.125	0.134	0.132	107	105	60.0-144			1.57	20
Methyl tert-butyl ether	0.0250	0.0258	0.0251	103	100	66.0-125			2.56	20
Naphthalene	0.0250	0.0251	0.0246	101	98.3	64.0-125			2.28	20
n-Propylbenzene	0.0250	0.0245	0.0246	98.2	98.6	78.0-120			0.379	20
Styrene	0.0250	0.0246	0.0244	98.4	97.7	78.0-124			0.707	20
1,1,1,2-Tetrachloroethane	0.0250	0.0267	0.0271	107	108	74.0-124			1.46	20
1,1,2,2-Tetrachloroethane	0.0250	0.0241	0.0240	96.6	95.9	73.0-120			0.686	20
Tetrachloroethene	0.0250	0.0265	0.0264	106	106	70.0-127			0.125	20
Toluene	0.0250	0.0247	0.0252	98.8	101	77.0-120			2.06	20
1,1,2-Trichlorotrifluoroethane	0.0250	0.0263	0.0262	105	105	64.0-135			0.219	20
1,2,3-Trichlorobenzene	0.0250	0.0249	0.0248	99.7	99.4	68.0-126			0.341	20
1,2,4-Trichlorobenzene	0.0250	0.0240	0.0237	96.1	95.0	70.0-127			1.13	20
1,1,1-Trichloroethane	0.0250	0.0261	0.0260	104	104	69.0-125			0.470	20
1,1,2-Trichloroethane	0.0250	0.0257	0.0254	103	102	78.0-120			1.07	20
Trichloroethene	0.0250	0.0261	0.0263	104	105	79.0-120			0.938	20
Trichlorofluoromethane	0.0250	0.0247	0.0250	99.0	99.8	59.0-136			0.873	20
1,2,3-Trichloropropane	0.0250	0.0243	0.0232	97.0	92.7	73.0-124			4.60	20
1,2,3-Trimethylbenzene	0.0250	0.0246	0.0244	98.3	97.5	76.0-120			0.803	20
1,2,4-Trimethylbenzene	0.0250	0.0245	0.0244	98.0	97.7	75.0-120			0.249	20
1,3,5-Trimethylbenzene	0.0250	0.0250	0.0250	100	99.8	75.0-120			0.287	20
Vinyl acetate	0.125	0.130	0.127	104	102	58.0-156			2.09	20
Vinyl chloride	0.0250	0.0242	0.0243	96.9	97.3	63.0-134			0.423	20
Xylenes, Total	0.0750	0.0787	0.0807	105	108	77.0-120			2.51	20
(S) Toluene-d8				*109*	*111*	*80.0-120*				
(S) Dibromofluoromethane				*95.9*	*95.4*	*74.0-131*				
(S) 4-Bromofluorobenzene				*93.8*	*93.5*	*64.0-132*				

L980370-10 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L980370-10 03/29/18 17:29 • (MS) R3297717-4 03/29/18 22:08 • (MSD) R3297717-5 03/29/18 22:30

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acetone	0.125	U	4.33	4.65	69.3	74.3	50	10.0-160			7.00	36
Acrylonitrile	0.125	U	5.01	5.51	80.2	88.2	50	14.0-160			9.52	33
Benzene	0.0250	U	0.785	0.926	62.8	74.1	50	13.0-146			16.4	27
Bromobenzene	0.0250	U	0.867	1.01	69.4	80.8	50	10.0-149			15.3	33
Bromodichloromethane	0.0250	U	0.922	1.08	73.8	86.3	50	15.0-142			15.6	28
Bromochloromethane	0.0250	U	0.805	0.971	64.4	77.6	50	24.0-146			18.7	27
Bromoform	0.0250	U	0.951	1.02	76.1	81.9	50	10.0-147			7.38	31
Bromomethane	0.0250	U	0.464	0.584	37.1	46.8	50	10.0-160			22.9	32
n-Butylbenzene	0.0250	U	0.911	1.06	72.9	85.0	50	10.0-154			15.4	37
sec-Butylbenzene	0.0250	U	0.920	1.09	73.6	86.9	50	10.0-151			16.6	36
tert-Butylbenzene	0.0250	U	0.943	1.10	75.4	88.4	50	10.0-152			15.8	35
Carbon disulfide	0.0250	U	0.320	0.387	25.6	31.0	50	10.0-141			19.0	30
Carbon tetrachloride	0.0250	U	0.752	0.898	60.1	71.8	50	13.0-140			17.7	30
Chlorobenzene	0.0250	U	0.855	1.03	68.4	82.6	50	10.0-149			18.7	31
Chlorodibromomethane	0.0250	U	0.907	1.09	72.5	87.3	50	12.0-147			18.5	29
Chloroethane	0.0250	U	0.240	0.288	19.2	23.0	50	10.0-159			18.1	33
Chloroform	0.0250	U	0.880	1.05	70.4	83.7	50	18.0-148			17.2	28
Chloromethane	0.0250	U	0.530	0.659	42.4	52.7	50	10.0-146			21.8	29
2-Chlorotoluene	0.0250	U	0.905	1.05	72.4	84.2	50	10.0-151			15.0	35
4-Chlorotoluene	0.0250	U	0.872	1.01	69.7	80.6	50	10.0-150			14.5	35
1,2-Dibromo-3-Chloropropane	0.0250	U	0.923	1.07	73.9	85.9	50	10.0-149			15.1	34
1,2-Dibromoethane	0.0250	U	0.860	0.986	68.8	78.9	50	14.0-145			13.7	28
Dibromomethane	0.0250	U	0.849	0.964	67.9	77.1	50	18.0-144			12.7	27
1,2-Dichlorobenzene	0.0250	U	0.947	1.08	75.8	86.8	50	10.0-153			13.5	34
1,3-Dichlorobenzene	0.0250	U	0.903	1.06	72.2	85.2	50	10.0-150			16.4	35
1,4-Dichlorobenzene	0.0250	U	0.863	1.01	69.0	80.5	50	10.0-148			15.4	34
trans-1,4-Dichloro-2-butene	0.0250	U	0.978	1.03	78.3	82.2	50	10.0-160			4.87	40
Dichlorodifluoromethane	0.0250	U	0.636	0.798	50.9	63.8	50	10.0-160			22.5	30
1,1-Dichloroethane	0.0250	U	0.860	1.04	68.8	83.6	50	19.0-148			19.4	28
1,2-Dichloroethane	0.0250	U	0.883	0.985	70.6	78.8	50	17.0-147			11.0	27
1,1-Dichloroethene	0.0250	U	0.670	0.829	53.6	66.3	50	10.0-150			21.1	31
cis-1,2-Dichloroethene	0.0250	U	0.816	0.988	65.3	79.0	50	16.0-145			19.0	28
trans-1,2-Dichloroethene	0.0250	U	0.655	0.788	52.4	63.1	50	11.0-142			18.5	29
1,2-Dichloropropane	0.0250	U	0.930	1.08	74.4	86.1	50	17.0-148			14.6	28
1,1-Dichloropropene	0.0250	U	0.705	0.840	56.4	67.2	50	10.0-150			17.5	30
1,3-Dichloropropane	0.0250	U	0.892	1.01	71.4	80.8	50	16.0-148			12.4	27
cis-1,3-Dichloropropene	0.0250	U	0.869	1.02	69.5	81.8	50	13.0-150			16.2	28
trans-1,3-Dichloropropene	0.0250	U	0.901	1.03	72.1	82.7	50	10.0-152			13.7	29
2,2-Dichloropropane	0.0250	U	0.813	1.00	65.1	80.3	50	16.0-143			20.9	30
Di-isopropyl ether	0.0250	U	0.960	1.14	76.8	91.0	50	16.0-149			17.0	28

L980370-10 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L980370-10 03/29/18 17:29 • (MS) R3297717-4 03/29/18 22:08 • (MSD) R3297717-5 03/29/18 22:30

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Ethylbenzene	0.0250	U	0.817	1.01	65.4	81.0	50	10.0-147			21.4	31
Hexachloro-1,3-butadiene	0.0250	U	0.962	1.16	77.0	92.6	50	10.0-154			18.4	40
2-Hexanone	0.125	U	4.82	5.29	77.2	84.6	50	12.0-158			9.23	30
n-Hexane	0.0250	U	0.393	0.459	31.5	36.7	50	10.0-140			15.4	34
Iodomethane	0.125	U	3.24	3.99	51.9	63.8	50	10.0-157			20.6	34
Isopropylbenzene	0.0250	U	0.892	1.04	71.4	82.9	50	10.0-147			15.0	33
p-Isopropyltoluene	0.0250	U	0.936	1.11	74.9	88.7	50	10.0-156			16.9	37
2-Butanone (MEK)	0.125	U	5.10	5.30	81.6	84.8	50	10.0-160			3.86	33
Methylene Chloride	0.0250	U	0.761	0.916	60.9	73.3	50	16.0-139			18.5	29
4-Methyl-2-pentanone (MIBK)	0.125	U	4.93	5.36	78.9	85.8	50	12.0-160			8.35	32
Methyl tert-butyl ether	0.0250	U	0.956	1.10	76.5	87.8	50	21.0-145			13.8	29
Naphthalene	0.0250	U	0.952	1.07	76.2	85.8	50	10.0-153			11.8	36
n-Propylbenzene	0.0250	U	0.878	1.03	70.2	82.5	50	10.0-151			16.1	34
Styrene	0.0250	U	0.919	1.05	73.6	83.8	50	10.0-155			13.0	34
1,1,1,2-Tetrachloroethane	0.0250	U	0.915	1.12	73.2	89.7	50	10.0-147			20.2	30
1,1,2,2-Tetrachloroethane	0.0250	U	0.966	1.03	77.3	82.7	50	10.0-155			6.67	31
Tetrachloroethene	0.0250	U	0.721	0.888	57.7	71.1	50	10.0-144			20.8	32
Toluene	0.0250	U	0.764	0.909	61.1	72.7	50	10.0-144			17.3	28
1,1,2-Trichlorotrifluoroethane	0.0250	U	0.797	1.01	63.8	80.7	50	10.0-153			23.4	33
1,2,3-Trichlorobenzene	0.0250	U	0.916	1.12	73.3	89.3	50	10.0-153			19.7	40
1,2,4-Trichlorobenzene	0.0250	U	0.897	1.04	71.8	83.4	50	10.0-156			15.0	40
1,1,1-Trichloroethane	0.0250	U	0.837	1.03	67.0	82.3	50	18.0-145			20.5	29
1,1,2-Trichloroethane	0.0250	U	0.904	1.05	72.3	83.8	50	12.0-151			14.8	28
Trichloroethene	0.0250	U	0.812	0.997	64.9	79.7	50	11.0-148			20.4	29
Trichlorofluoromethane	0.0250	U	0.926	1.11	74.1	89.0	50	10.0-157			18.3	34
1,2,3-Trichloropropane	0.0250	U	0.918	1.03	73.5	82.2	50	10.0-154			11.2	32
1,2,3-Trimethylbenzene	0.0250	U	0.911	1.04	72.9	83.6	50	10.0-150			13.6	33
1,2,4-Trimethylbenzene	0.0250	U	0.901	1.05	72.0	83.6	50	10.0-151			14.9	34
1,3,5-Trimethylbenzene	0.0250	U	0.892	1.05	71.4	83.9	50	10.0-150			16.1	33
Vinyl acetate	0.125	U	3.79	3.42	60.6	54.8	50	10.0-160			10.1	40
Vinyl chloride	0.0250	U	0.570	0.732	45.6	58.6	50	10.0-150			24.9	29
Xylenes, Total	0.0750	U	2.50	3.05	66.6	81.3	50	10.0-150			19.9	31
(S) Toluene-d8					*103*	*107*		*80.0-120*				
(S) Dibromofluoromethane					*93.9*	*94.3*		*74.0-131*				
(S) 4-Bromofluorobenzene					*94.4*	*94.2*		*64.0-132*				

Method Blank (MB)

(MB) R3298081-3 03/30/18 01:19

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acetone	U		0.0100	0.0500
Acrylonitrile	U		0.00179	0.0100
Benzene	U		0.000270	0.00100
Bromobenzene	U		0.000284	0.00100
Bromodichloromethane	U		0.000254	0.00100
Bromochloromethane	U		0.000390	0.00500
Bromoform	U		0.000424	0.00100
Bromomethane	U		0.00134	0.00500
n-Butylbenzene	U		0.000258	0.00100
sec-Butylbenzene	U		0.000201	0.00100
tert-Butylbenzene	U		0.000206	0.00100
Carbon disulfide	U		0.000221	0.00100
Carbon tetrachloride	U		0.000328	0.00100
Chlorobenzene	U		0.000212	0.00100
Chlorodibromomethane	U		0.000373	0.00100
Chloroethane	U		0.000946	0.00500
Chloroform	U		0.000229	0.00500
Chloromethane	U		0.000375	0.00250
2-Chlorotoluene	U		0.000301	0.00100
4-Chlorotoluene	U		0.000240	0.00100
1,2-Dibromo-3-Chloropropane	U		0.00105	0.00500
1,2-Dibromoethane	U		0.000343	0.00100
Dibromomethane	U		0.000382	0.00100
1,2-Dichlorobenzene	U		0.000305	0.00100
1,3-Dichlorobenzene	U		0.000239	0.00100
1,4-Dichlorobenzene	U		0.000226	0.00100
trans-1,4-Dichloro-2-butene	U		0.000778	0.00250
Dichlorodifluoromethane	U		0.000713	0.00500
1,1-Dichloroethane	U		0.000199	0.00100
1,2-Dichloroethane	U		0.000265	0.00100
1,1-Dichloroethene	U		0.000303	0.00100
cis-1,2-Dichloroethene	U		0.000235	0.00100
trans-1,2-Dichloroethene	U		0.000264	0.00100
1,2-Dichloropropane	U		0.000358	0.00100
1,1-Dichloropropene	U		0.000317	0.00100
1,3-Dichloropropane	U		0.000207	0.00100
cis-1,3-Dichloropropene	U		0.000262	0.00100
trans-1,3-Dichloropropene	U		0.000267	0.00100
2,2-Dichloropropane	U		0.000279	0.00100
Di-isopropyl ether	U		0.000248	0.00100

Method Blank (MB)

(MB) R3298081-3 03/30/18 01:19

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Ethylbenzene	U		0.000297	0.00100
Hexachloro-1,3-butadiene	U		0.000342	0.00100
2-Hexanone	U		0.00137	0.0100
n-Hexane	U		0.000290	0.0100
Iodomethane	U		0.00253	0.0100
Isopropylbenzene	U		0.000243	0.00100
p-Isopropyltoluene	U		0.000204	0.00100
2-Butanone (MEK)	U		0.00468	0.0100
Methylene Chloride	U		0.00100	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.00188	0.0100
Methyl tert-butyl ether	U		0.000212	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.000206	0.00100
Styrene	U		0.000234	0.00100
1,1,1,2-Tetrachloroethane	U		0.000264	0.00100
1,1,2,2-Tetrachloroethane	U		0.000365	0.00100
Tetrachloroethene	U		0.000276	0.00100
Toluene	U		0.000434	0.00500
1,1,2-Trichlorotrifluoroethane	U		0.000365	0.00100
1,2,3-Trichlorobenzene	U		0.000306	0.00100
1,2,4-Trichlorobenzene	U		0.000388	0.00100
1,1,1-Trichloroethane	U		0.000286	0.00100
1,1,2-Trichloroethane	U		0.000277	0.00100
Trichloroethene	U		0.000279	0.00100
Trichlorofluoromethane	U		0.000382	0.00500
1,2,3-Trichloropropane	U		0.000741	0.00250
1,2,3-Trimethylbenzene	U		0.000287	0.00100
1,2,4-Trimethylbenzene	U		0.000211	0.00100
1,3,5-Trimethylbenzene	U		0.000266	0.00100
Vinyl acetate	U		0.00239	0.0100
Vinyl chloride	U		0.000291	0.00100
Xylenes, Total	U		0.000698	0.00300
(S) Toluene-d8	*108*			*80.0-120*
(S) Dibromofluoromethane	*95.9*			*74.0-131*
(S) 4-Bromofluorobenzene	*103*			*64.0-132*

Method Blank (MB)

(MB) R3298279-3 04/01/18 12:21

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acetone	U		0.0100	0.0500
Acrylonitrile	U		0.00179	0.0100
Benzene	U		0.000270	0.00100
Bromobenzene	U		0.000284	0.00100
Bromodichloromethane	U		0.000254	0.00100
Bromochloromethane	U		0.000390	0.00500
Bromoform	U		0.000424	0.00100
Bromomethane	U		0.00134	0.00500
n-Butylbenzene	U		0.000258	0.00100
sec-Butylbenzene	U		0.000201	0.00100
tert-Butylbenzene	U		0.000206	0.00100
Carbon disulfide	U		0.000221	0.00100
Carbon tetrachloride	U		0.000328	0.00100
Chlorobenzene	U		0.000212	0.00100
Chlorodibromomethane	U		0.000373	0.00100
Chloroethane	U		0.000946	0.00500
Chloroform	U		0.000229	0.00500
Chloromethane	U		0.000375	0.00250
2-Chlorotoluene	U		0.000301	0.00100
4-Chlorotoluene	U		0.000240	0.00100
1,2-Dibromo-3-Chloropropane	U		0.00105	0.00500
1,2-Dibromoethane	U		0.000343	0.00100
Dibromomethane	U		0.000382	0.00100
1,2-Dichlorobenzene	U		0.000305	0.00100
1,3-Dichlorobenzene	U		0.000239	0.00100
1,4-Dichlorobenzene	U		0.000226	0.00100
trans-1,4-Dichloro-2-butene	U		0.000778	0.00250
Dichlorodifluoromethane	U		0.000713	0.00500
1,1-Dichloroethane	U		0.000199	0.00100
1,2-Dichloroethane	U		0.000265	0.00100
1,1-Dichloroethene	U		0.000303	0.00100
cis-1,2-Dichloroethene	U		0.000235	0.00100
trans-1,2-Dichloroethene	U		0.000264	0.00100
1,2-Dichloropropane	U		0.000358	0.00100
1,1-Dichloropropene	U		0.000317	0.00100
1,3-Dichloropropane	U		0.000207	0.00100
cis-1,3-Dichloropropene	U		0.000262	0.00100
trans-1,3-Dichloropropene	U		0.000267	0.00100
2,2-Dichloropropane	U		0.000279	0.00100
Di-isopropyl ether	U		0.000248	0.00100

Method Blank (MB)

(MB) R3298279-3 04/01/18 12:21

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Ethylbenzene	U		0.000297	0.00100
Hexachloro-1,3-butadiene	U		0.000342	0.00100
2-Hexanone	U		0.00137	0.0100
n-Hexane	0.000325	J	0.000290	0.0100
Iodomethane	U		0.00253	0.0100
Isopropylbenzene	U		0.000243	0.00100
p-Isopropyltoluene	U		0.000204	0.00100
2-Butanone (MEK)	U		0.00468	0.0100
Methylene Chloride	U		0.00100	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.00188	0.0100
Methyl tert-butyl ether	U		0.000212	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.000206	0.00100
Styrene	U		0.000234	0.00100
1,1,1,2-Tetrachloroethane	U		0.000264	0.00100
1,1,2,2-Tetrachloroethane	U		0.000365	0.00100
Tetrachloroethene	U		0.000276	0.00100
Toluene	U		0.000434	0.00500
1,1,2-Trichlorotrifluoroethane	U		0.000365	0.00100
1,2,3-Trichlorobenzene	U		0.000306	0.00100
1,2,4-Trichlorobenzene	U		0.000388	0.00100
1,1,1-Trichloroethane	U		0.000286	0.00100
1,1,2-Trichloroethane	U		0.000277	0.00100
Trichloroethene	U		0.000279	0.00100
Trichlorofluoromethane	U		0.000382	0.00500
1,2,3-Trichloropropane	U		0.000741	0.00250
1,2,3-Trimethylbenzene	U		0.000287	0.00100
1,2,4-Trimethylbenzene	U		0.000211	0.00100
1,3,5-Trimethylbenzene	U		0.000266	0.00100
Vinyl acetate	U		0.00239	0.0100
Vinyl chloride	U		0.000291	0.00100
Xylenes, Total	U		0.000698	0.00300
(S) Toluene-d8	*113*			*80.0-120*
(S) Dibromofluoromethane	*98.7*			*74.0-131*
(S) 4-Bromofluorobenzene	*100*			*64.0-132*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3298081-1 03/30/18 00:16 • (LCSD) R3298081-2 03/30/18 00:37

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.125	0.110	0.116	87.8	93.0	11.0-160			5.70	23
Acrylonitrile	0.125	0.136	0.145	109	116	61.0-143			6.30	20
Benzene	0.0250	0.0268	0.0270	107	108	71.0-124			0.876	20
Bromobenzene	0.0250	0.0256	0.0254	102	102	78.0-120			0.540	20
Bromodichloromethane	0.0250	0.0278	0.0277	111	111	75.0-120			0.368	20
Bromochloromethane	0.0250	0.0270	0.0279	108	112	80.0-121			3.41	20
Bromoform	0.0250	0.0266	0.0271	106	109	65.0-133			2.20	20
Bromomethane	0.0250	0.0244	0.0245	97.4	97.9	26.0-160			0.505	20
n-Butylbenzene	0.0250	0.0276	0.0274	110	109	73.0-126			0.858	20
sec-Butylbenzene	0.0250	0.0267	0.0268	107	107	75.0-121			0.330	20
tert-Butylbenzene	0.0250	0.0273	0.0272	109	109	74.0-122			0.601	20
Carbon disulfide	0.0250	0.0295	0.0301	118	120	53.0-130			1.96	20
Carbon tetrachloride	0.0250	0.0260	0.0263	104	105	66.0-123			1.14	20
Chlorobenzene	0.0250	0.0272	0.0276	109	111	79.0-121			1.58	20
Chlorodibromomethane	0.0250	0.0282	0.0285	113	114	74.0-128			0.774	20
Chloroethane	0.0250	0.0244	0.0251	97.5	101	51.0-147			3.07	20
Chloroform	0.0250	0.0263	0.0270	105	108	73.0-123			2.44	20
Chloromethane	0.0250	0.0268	0.0267	107	107	51.0-138			0.484	20
2-Chlorotoluene	0.0250	0.0265	0.0265	106	106	72.0-124			0.0893	20
4-Chlorotoluene	0.0250	0.0261	0.0260	104	104	78.0-120			0.148	20
1,2-Dibromo-3-Chloropropane	0.0250	0.0252	0.0262	101	105	65.0-126			3.79	20
1,2-Dibromoethane	0.0250	0.0276	0.0278	110	111	78.0-122			0.915	20
Dibromomethane	0.0250	0.0273	0.0275	109	110	79.0-120			0.825	20
1,2-Dichlorobenzene	0.0250	0.0259	0.0263	104	105	80.0-120			1.78	20
1,3-Dichlorobenzene	0.0250	0.0262	0.0265	105	106	72.0-123			1.15	20
1,4-Dichlorobenzene	0.0250	0.0252	0.0254	101	102	77.0-120			0.798	20
trans-1,4-Dichloro-2-butene	0.0250	0.0298	0.0314	119	126	68.0-126			5.24	20
Dichlorodifluoromethane	0.0250	0.0267	0.0261	107	104	49.0-155			2.34	20
1,1-Dichloroethane	0.0250	0.0274	0.0276	109	110	70.0-128			0.960	20
1,2-Dichloroethane	0.0250	0.0265	0.0268	106	107	69.0-128			1.18	20
1,1-Dichloroethene	0.0250	0.0279	0.0277	112	111	63.0-131			0.861	20
cis-1,2-Dichloroethene	0.0250	0.0264	0.0274	105	109	74.0-123			3.76	20
trans-1,2-Dichloroethene	0.0250	0.0274	0.0283	110	113	72.0-122			3.03	20
1,2-Dichloropropane	0.0250	0.0277	0.0277	111	111	75.0-126			0.285	20
1,1-Dichloropropene	0.0250	0.0267	0.0266	107	106	72.0-130			0.465	20
1,3-Dichloropropane	0.0250	0.0264	0.0276	105	110	80.0-121			4.38	20
cis-1,3-Dichloropropene	0.0250	0.0276	0.0276	110	110	80.0-125			0.00547	20
trans-1,3-Dichloropropene	0.0250	0.0273	0.0273	109	109	75.0-129			0.0299	20
2,2-Dichloropropane	0.0250	0.0270	0.0272	108	109	60.0-129			0.942	20
Di-isopropyl ether	0.0250	0.0270	0.0275	108	110	62.0-133			1.98	20

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3298081-1 03/30/18 00:16 • (LCSD) R3298081-2 03/30/18 00:37

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Ethylbenzene	0.0250	0.0280	0.0285	112	114	77.0-120			1.83	20
Hexachloro-1,3-butadiene	0.0250	0.0278	0.0281	111	112	68.0-128			0.955	20
2-Hexanone	0.125	0.135	0.147	108	117	61.0-143			8.64	20
n-Hexane	0.0250	0.0290	0.0293	116	117	57.0-125			1.03	20
Iodomethane	0.125	0.139	0.142	111	113	67.0-132			1.91	20
Isopropylbenzene	0.0250	0.0267	0.0264	107	106	75.0-120			1.10	20
p-Isopropyltoluene	0.0250	0.0270	0.0270	108	108	74.0-125			0.143	20
2-Butanone (MEK)	0.125	0.132	0.138	106	110	37.0-159			4.41	20
Methylene Chloride	0.0250	0.0264	0.0264	106	105	67.0-123			0.230	20
4-Methyl-2-pentanone (MIBK)	0.125	0.141	0.150	113	120	60.0-144			6.02	20
Methyl tert-butyl ether	0.0250	0.0273	0.0285	109	114	66.0-125			4.52	20
Naphthalene	0.0250	0.0263	0.0273	105	109	64.0-125			3.56	20
n-Propylbenzene	0.0250	0.0266	0.0262	106	105	78.0-120			1.47	20
Styrene	0.0250	0.0287	0.0288	115	115	78.0-124			0.463	20
1,1,1,2-Tetrachloroethane	0.0250	0.0276	0.0286	110	114	74.0-124			3.73	20
1,1,2,2-Tetrachloroethane	0.0250	0.0251	0.0256	101	102	73.0-120			1.86	20
Tetrachloroethene	0.0250	0.0271	0.0270	108	108	70.0-127			0.189	20
Toluene	0.0250	0.0268	0.0271	107	108	77.0-120			1.19	20
1,1,2-Trichlorotrifluoroethane	0.0250	0.0275	0.0279	110	112	64.0-135			1.60	20
1,2,3-Trichlorobenzene	0.0250	0.0264	0.0272	105	109	68.0-126			3.17	20
1,2,4-Trichlorobenzene	0.0250	0.0267	0.0271	107	108	70.0-127			1.47	20
1,1,1-Trichloroethane	0.0250	0.0275	0.0277	110	111	69.0-125			0.600	20
1,1,2-Trichloroethane	0.0250	0.0263	0.0269	105	108	78.0-120			2.29	20
Trichloroethene	0.0250	0.0277	0.0282	111	113	79.0-120			1.85	20
Trichlorofluoromethane	0.0250	0.0272	0.0281	109	112	59.0-136			3.02	20
1,2,3-Trichloropropane	0.0250	0.0247	0.0253	98.9	101	73.0-124			2.10	20
1,2,3-Trimethylbenzene	0.0250	0.0263	0.0264	105	105	76.0-120			0.232	20
1,2,4-Trimethylbenzene	0.0250	0.0267	0.0267	107	107	75.0-120			0.251	20
1,3,5-Trimethylbenzene	0.0250	0.0265	0.0268	106	107	75.0-120			1.07	20
Vinyl acetate	0.125	0.144	0.147	116	118	58.0-156			1.68	20
Vinyl chloride	0.0250	0.0291	0.0293	116	117	63.0-134			0.698	20
Xylenes, Total	0.0750	0.0850	0.0865	113	115	77.0-120			1.75	20
(S) Toluene-d8				*108*	*109*	*80.0-120*				
(S) Dibromofluoromethane				*95.8*	*97.1*	*74.0-131*				
(S) 4-Bromofluorobenzene				*94.1*	*93.7*	*64.0-132*				

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3298279-1 04/01/18 11:16 • (LCSD) R3298279-2 04/01/18 11:38

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.125	0.122	0.130	97.8	104	11.0-160			6.51	23
Acrylonitrile	0.125	0.129	0.150	103	120	61.0-143			15.2	20
Benzene	0.0250	0.0263	0.0276	105	110	71.0-124			4.61	20
Bromobenzene	0.0250	0.0257	0.0271	103	108	78.0-120			5.35	20
Bromodichloromethane	0.0250	0.0265	0.0290	106	116	75.0-120			8.90	20
Bromochloromethane	0.0250	0.0264	0.0292	106	117	80.0-121			10.1	20
Bromoform	0.0250	0.0265	0.0302	106	121	65.0-133			13.2	20
Bromomethane	0.0250	0.0267	0.0282	107	113	26.0-160			5.38	20
n-Butylbenzene	0.0250	0.0273	0.0280	109	112	73.0-126			2.51	20
sec-Butylbenzene	0.0250	0.0270	0.0287	108	115	75.0-121			6.01	20
tert-Butylbenzene	0.0250	0.0274	0.0292	110	117	74.0-122			6.23	20
Carbon disulfide	0.0250	0.0264	0.0281	106	112	53.0-130			6.21	20
Carbon tetrachloride	0.0250	0.0274	0.0267	110	107	66.0-123			2.54	20
Chlorobenzene	0.0250	0.0279	0.0294	112	118	79.0-121			5.38	20
Chlorodibromomethane	0.0250	0.0279	0.0306	112	122	74.0-128			9.10	20
Chloroethane	0.0250	0.0264	0.0280	106	112	51.0-147			5.67	20
Chloroform	0.0250	0.0267	0.0281	107	112	73.0-123			5.08	20
Chloromethane	0.0250	0.0266	0.0287	107	115	51.0-138			7.39	20
2-Chlorotoluene	0.0250	0.0273	0.0281	109	113	72.0-124			2.97	20
4-Chlorotoluene	0.0250	0.0263	0.0272	105	109	78.0-120			3.41	20
1,2-Dibromo-3-Chloropropane	0.0250	0.0253	0.0306	101	123	65.0-126			19.0	20
1,2-Dibromoethane	0.0250	0.0267	0.0307	107	123	78.0-122		J4	14.0	20
Dibromomethane	0.0250	0.0257	0.0291	103	116	79.0-120			12.5	20
1,2-Dichlorobenzene	0.0250	0.0272	0.0294	109	118	80.0-120			7.59	20
1,3-Dichlorobenzene	0.0250	0.0274	0.0284	110	113	72.0-123			3.50	20
1,4-Dichlorobenzene	0.0250	0.0262	0.0276	105	110	77.0-120			5.04	20
trans-1,4-Dichloro-2-butene	0.0250	0.0264	0.0318	106	127	68.0-126		J4	18.5	20
Dichlorodifluoromethane	0.0250	0.0288	0.0302	115	121	49.0-155			4.87	20
1,1-Dichloroethane	0.0250	0.0275	0.0289	110	116	70.0-128			4.93	20
1,2-Dichloroethane	0.0250	0.0259	0.0279	104	112	69.0-128			7.38	20
1,1-Dichloroethene	0.0250	0.0272	0.0287	109	115	63.0-131			5.42	20
cis-1,2-Dichloroethene	0.0250	0.0272	0.0284	109	114	74.0-123			4.26	20
trans-1,2-Dichloroethene	0.0250	0.0269	0.0288	108	115	72.0-122			6.91	20
1,2-Dichloropropane	0.0250	0.0274	0.0294	110	118	75.0-126			7.05	20
1,1-Dichloropropene	0.0250	0.0265	0.0274	106	110	72.0-130			3.35	20
1,3-Dichloropropane	0.0250	0.0269	0.0290	107	116	80.0-121			7.78	20
cis-1,3-Dichloropropene	0.0250	0.0281	0.0294	112	118	80.0-125			4.76	20
trans-1,3-Dichloropropene	0.0250	0.0277	0.0299	111	119	75.0-129			7.43	20
2,2-Dichloropropane	0.0250	0.0251	0.0278	100	111	60.0-129			10.3	20
Di-isopropyl ether	0.0250	0.0272	0.0292	109	117	62.0-133			7.10	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3298279-1 04/01/18 11:16 • (LCSD) R3298279-2 04/01/18 11:38

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Ethylbenzene	0.0250	0.0280	0.0292	112	117	77.0-120			4.31	20
Hexachloro-1,3-butadiene	0.0250	0.0281	0.0291	112	116	68.0-128			3.65	20
2-Hexanone	0.125	0.138	0.175	110	140	61.0-143		J3	23.9	20
n-Hexane	0.0250	0.0260	0.0272	104	109	57.0-125			4.48	20
Iodomethane	0.125	0.135	0.142	108	114	67.0-132			5.06	20
Isopropylbenzene	0.0250	0.0271	0.0281	108	112	75.0-120			3.47	20
p-Isopropyltoluene	0.0250	0.0283	0.0294	113	118	74.0-125			3.78	20
2-Butanone (MEK)	0.125	0.129	0.154	103	124	37.0-159			18.2	20
Methylene Chloride	0.0250	0.0266	0.0284	106	113	67.0-123			6.50	20
4-Methyl-2-pentanone (MIBK)	0.125	0.137	0.167	109	134	60.0-144		J3	20.1	20
Methyl tert-butyl ether	0.0250	0.0259	0.0298	103	119	66.0-125			14.2	20
Naphthalene	0.0250	0.0263	0.0306	105	122	64.0-125			14.8	20
n-Propylbenzene	0.0250	0.0271	0.0278	108	111	78.0-120			2.79	20
Styrene	0.0250	0.0273	0.0286	109	115	78.0-124			4.77	20
1,1,1,2-Tetrachloroethane	0.0250	0.0286	0.0300	114	120	74.0-124			4.86	20
1,1,2,2-Tetrachloroethane	0.0250	0.0254	0.0297	102	119	73.0-120			15.4	20
Tetrachloroethene	0.0250	0.0284	0.0293	114	117	70.0-127			3.23	20
Toluene	0.0250	0.0269	0.0278	108	111	77.0-120			3.43	20
1,1,2-Trichlorotrifluoroethane	0.0250	0.0273	0.0295	109	118	64.0-135			7.67	20
1,2,3-Trichlorobenzene	0.0250	0.0274	0.0296	110	118	68.0-126			7.86	20
1,2,4-Trichlorobenzene	0.0250	0.0272	0.0284	109	113	70.0-127			4.33	20
1,1,1-Trichloroethane	0.0250	0.0268	0.0284	107	114	69.0-125			5.66	20
1,1,2-Trichloroethane	0.0250	0.0267	0.0296	107	118	78.0-120			10.2	20
Trichloroethene	0.0250	0.0282	0.0305	113	122	79.0-120		J4	7.92	20
Trichlorofluoromethane	0.0250	0.0290	0.0320	116	128	59.0-136			9.91	20
1,2,3-Trichloropropane	0.0250	0.0262	0.0298	105	119	73.0-124			12.8	20
1,2,3-Trimethylbenzene	0.0250	0.0268	0.0283	107	113	76.0-120			5.50	20
1,2,4-Trimethylbenzene	0.0250	0.0271	0.0282	108	113	75.0-120			4.04	20
1,3,5-Trimethylbenzene	0.0250	0.0274	0.0284	110	114	75.0-120			3.50	20
Vinyl acetate	0.125	0.140	0.154	112	123	58.0-156			9.62	20
Vinyl chloride	0.0250	0.0290	0.0309	116	124	63.0-134			6.12	20
Xylenes, Total	0.0750	0.0858	0.0893	114	119	77.0-120		J4	4.00	20
(S) Toluene-d8				*109*	*108*	*80.0-120*				
(S) Dibromofluoromethane				*95.5*	*97.1*	*74.0-131*				
(S) 4-Bromofluorobenzene				*92.8*	*92.6*	*64.0-132*				

GLOSSARY OF TERMS

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Abbreviations and Definitions

(dry)	Results are reported based on the dry weight of the sample. [this will only be present on a dry report basis for soils].
MDL	Method Detection Limit.
MDL (dry)	Method Detection Limit.
RDL	Reported Detection Limit.
RDL (dry)	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
J	The identification of the analyte is acceptable; the reported value is an estimate.
J0	J0: Calibration verification outside of acceptance limits. Result is estimated.
J3	The associated batch QC was outside the established quality control range for precision.
J4	The associated batch QC was outside the established quality control range for accuracy.

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

ESC Lab Sciences is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our one location design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be YOUR LAB OF CHOICE.

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by ESC Lab Sciences.

State Accreditations

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN-03-2002-34
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	n/a
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO00356
Kentucky [1,6]	90010	South Carolina	84004
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1,4]	2006
Louisiana [1]	LA180010	Texas	T 104704245-17-14
Maine	TN0002	Texas [5]	LAB0152
Maryland	324	Utah	TN00003
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	460132
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	9980939910
Montana	CERT0086	Wyoming	A2LA

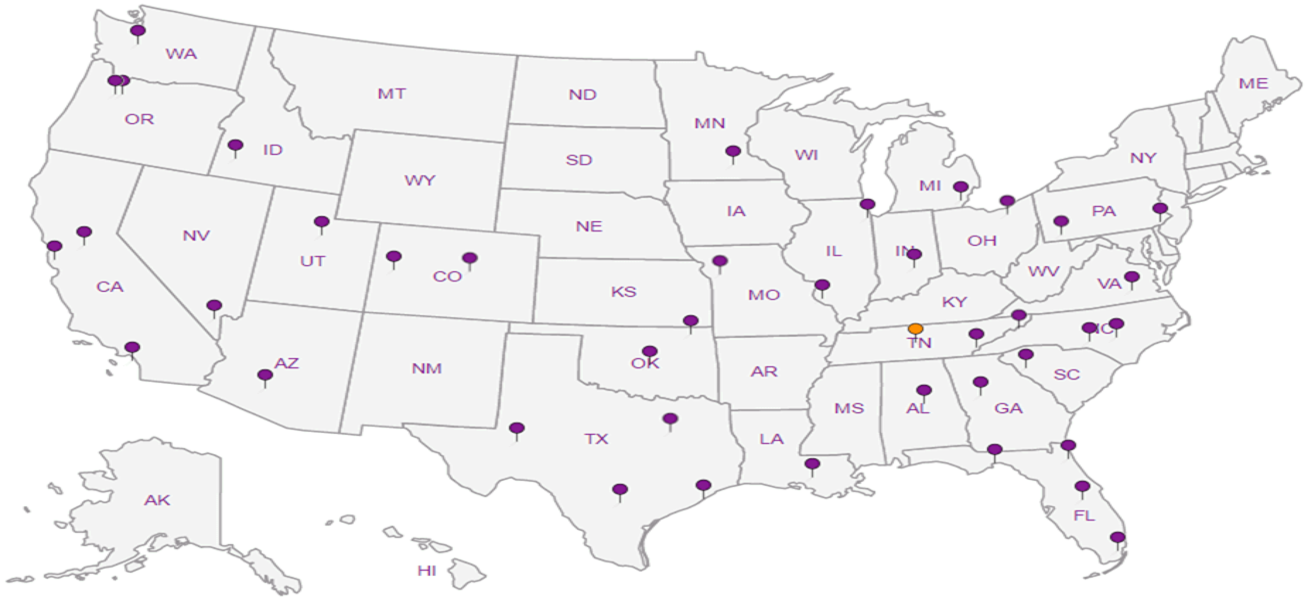
Third Party Federal Accreditations

A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

Our Locations

ESC Lab Sciences has sixty-four client support centers that provide sample pickup and/or the delivery of sampling supplies. If you would like assistance from one of our support offices, please contact our main office. ESC Lab Sciences performs all testing at our central laboratory.



PES Environmental, Inc.- WA

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Billing Information:

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Pres Chk

Analysis / Container / Preservative

Chain of Custody Page 1 of 2

ESC LAB SCIENCES

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E195

Acctnum: **PESENVSWA**
Template: **T133573**
Prelogin: **P644381**
TSR: **110 - Brian Ford**
PB:
Shipped Via:

Report to: **Brian O'Neal** / Bill Haldeman

Email To: **boneal@pesenv.com** bhaldeman@pesenv.com

Project Description: **American Linen Supply Project**

City/State Collected: Seattle WA

Phone: **206-529-3980**
Fax: **206-529-3985**

Client Project # **1413.001.05.304**

Lab Project # **PESENVSWA-ALP**

Collected by (print): Dan Johnson

Site/Facility ID #

P.O. #

Collected by (signature): Dan Johnson

Immediately Packed on Ice N X Y ___

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260C VOCs 40ml/NaHSO4/Syr/MeOH	dry wt,voc screen 2ozClr-NoPres	Remarks	Sample # (lab only)
IW-47B-25	Grab	SS	25	3-22-18	1134	5	X	X		01
IW-47B-30		SS	30		1140	5	X	X		02
IW-47B-35		SS	35		1201	5	X	X		03
IW-47B-40		SS	40		1216	5	X	X		04
IW-47B-42		SS	42		1313	5	X	X		05
IW-47B-45		SS	45		1320	5	X	X		06
IW-47B-50		SS	50		1331	5	X	X		07
IW-47B-55		SS	55		1343	5	X	X		08
IW-47B-60		SS	60		1356	5	X	X		09
IW-47B-65		SS	65		1417	5	X	X		10

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other________

Remarks:

pH ______ Temp ______
Flow ______ Other ______

Samples returned via:
___ UPS ___ FedEx ___ Courier ______

Tracking # 6777 0006 4035

Sample Receipt Checklist
COC Seal Present/Intact: __NP _Y_ __N
COC Signed/Accurate: _Y_ __N
Bottles arrive intact: _Y_ __N
Correct bottles used: _Y_ __N
Sufficient volume sent: _Y_ __N
If Applicable
VOA Zero Headspace: __Y __N
Preservation Correct/Checked: __Y __N

Relinquished by : (Signature)	Date: 3-22-18	Time: 1855	Received by: (Signature)	Trip Blank Received: [✓ Yes] / No 1 [✓ HCL] / MeoH TBR			
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 16.5 °C	Bottles Received: 65	If preservation required by Login: Date/Time	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 3/26/18	Time: 1015	Hold:	Condition: [✓ NCF] / OK

PES Environmental, Inc.- WA

1215 Fourth Ave., Suite 1350
Seattle, WA 98161

Billing Information:
Attn: Accounts Payable
1215 Fourth Ave., Ste. 1350
Seattle, WA 98161

Pres Chk

Analysis / Container / Preservative

Chain of Custody Page 2 of 2

ESC LAB SCIENCES

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

Report to: **Brian O'Neal** / Bill Haldeman

Email To: boneal@pesenv.com bhaldeman@pesenv.com

Project Description: **American Linen Supply Project**

City/State Collected: Seattle WA

Phone: **206-529-3980**
Fax: **206-529-3985**

Client Project # **1413.001.05.304**

Lab Project # **PESENVSWA-ALP**

L# 980719

Table #

Site/Facility ID #

P.O. #

Collected by (print): Dan Johnson

Collected by (signature): Dan Johnson

Immediately Packed on Ice N X Y ___

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Acctnum: **PESENVSWA**
Template: **T133573**
Prelogin: **P644381**
TSR: **110 - Brian Ford**
PB:
Shipped Via:

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260C VOCs 40ml/NaHSO4/Syr/MeOH	dry wt,voc screen 2ozClr-NoPres									Remarks	Sample # (lab only)
IW-47B-65	Grab	SS	65	3-22-18	1417	5	X	X										11
IW-47B-70	|	SS	70	|	1429	5	X	X										12
IW-47B-75	X	SS	75	X	1447	5	X	X										13
Trip blank		SS		9-20-17		5	X	X										
		SS				5	X	X										
		SS				5	X	X										
		SS				5	X	X										
		SS				5	X	X										
		SS				5	X	X										
		SS				5	X	X										

* Matrix:
SS - Soil **AIR** - Air **F** - Filter
GW - Groundwater **B** - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other________

Remarks:

pH ______ Temp ______
Flow ______ Other ______

Samples returned via:
__ UPS __ FedEx __ Courier __ ______

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: __NP ✓Y __N
COC Signed/Accurate: ✓Y __N
Bottles arrive intact: ✓Y __N
Correct bottles used: ✓Y __N
Sufficient volume sent: ✓Y __N
If Applicable
VOA Zero Headspace: __Y __N
Preservation Correct/Checked: __Y __N

Relinquished by : (Signature) R. M	Date: 3-22-18	Time: 1855	Received by: (Signature)	Trip Blank Received: [✓ Yes] / No [✓ HCL] / MeoH TBR	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 16.5 °C Bottles Received: 68	If preservation required by Login: Date/Time
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 3/26/18 Time: 1015	Hold:	Condition: [✓ NC] / OK

Matt Shacklock

ESC
LAB SCIENCES
YOUR LAB OF CHOICE

Login #: 986719	**Client:** PESENVSWA	**Date:**3/26	**Evaluated by:**Matt S

Non-Conformance (check applicable items)

	Sample Integrity		Chain of Custody Clarification		
	Parameter(s) past holding time		Login Clarification Needed		**If Broken Container:**
x	Improper temperature		Chain of custody is incomplete		Insufficient packing material around container
	Improper container type		Please specify Metals requested.		Insufficient packing material inside cooler
	Improper preservation		Please specify TCLP requested.		Improper handling by carrier (FedEx / UPS / Courie
	Insufficient sample volume.		Received additional samples not listed on coc.		Sample was frozen
	Sample is biphasic.		Sample ids on containers do not match ids on coc		Container lid not intact
	Vials received with headspace.		Trip Blank not received.		**If no Chain of Custody:**
	Broken container		Client did not "X" analysis.		Received by:
	Broken container:		Chain of Custody is missing		Date/Time:
	Sufficient sample remains				Temp./Cont. Rec./pH:
					Carrier:
					Tracking#

Login Comments: 19.5 degeres. All ice melted

Client informed by:		Call		Email	x	Voice Mail		Date: 03/26/18	Time:1800
TSR Initials: bjf	Client Contact: Brian O'Neal								

Login Instructions:

Proceed and qualify as needed. Add comment " Sample received at >6 Deg C."

MEMORANDUM

TO: Project File **DATE:** April 19, 2018

FROM: Jessie Compeau

SUBJECT: Laboratory Data Validation Review

PROJECT: Former American Linen Supply Site, Seattle WA

PROJECT #: 1413.001.05.304

TASK: March 22, 2018 – Soil Samples

LAB: ESC Lab ID L980719

Twelve (12) soil samples and a trip blank were collected as part of a sampling event at the Former American Linen Supply Site, in Seattle, Washington, on March 22, 2018. The samples were shipped and delivered to ESC Lab Sciences (ESC) of Mount Juliet, TN for laboratory analysis. Selected samples were analyzed for the following:

- Volatile organic compounds (VOCs) by United States Environmental Protection Agency (USEPA) Method 8260C; and
- Total Solids by Standard Methods 2540 G-2011.

The results are reported in ESC Sample Delivery Group (SDG) L980719. The sampling event occurred between March 2 and March 27 of 2018. Associated sample data are reported in ten ESC SDGs (SDGs L975879, L977245, L977743, L979219, L979234, L980300, L980719, L980722, L980954, and L980958). The quality assurance review of the sample data associated with SDG L980719 is summarized below.

DATA QUALIFICATIONS

Guidelines established by USEPA for a limited data validation review of analytical data along with ESC control limit criteria were used to validate the data. The comments presented in this memorandum refer to the laboratory's performance in meeting the quality control criteria outlined in the USEPA Contract Laboratory Program National Functional Guidelines for Organic Superfund Methods Data Review (USEPA, 2017).

DATA VALIDATION

Completeness

All samples were collected and analyzed as requested.

Sample Collection and Preservation

Samples were collected in laboratory-supplied sample containers preserved as appropriate for the individual analyses conducted. The samples were packed on ice and shipped by courier to ESC.

The laboratory reported that the cooler and samples were received at 16.5 degrees Centigrade (°C) and above the recommended temperature preservation of 6°C. **All VOC results are estimated (UJ/J) due to cooler receipt temperature.**

Holding Times

USEPA Method 8260C:
All samples were analyzed for VOCs within the USEPA recommended holding time of fourteen days for soils and waters from the date of sample collection. All holding time criteria were met.

Total Solids by SM 2540 G 2011:
All samples were analyzed one day past the USEPA recommended holding time of seven days for total solids. No action is taken since % solid results are not expected to be significantly changed thus final reported results are not significantly impacted.

Initial and Continuing Calibration

Calibration data for this project are not required for this deliverable however ESC's notes indicate the following:

- *USEPA Method 8260C:* Continuing calibration verification (CCV) issues were noted by ESC for dichlorodifluoromethane associated with soil sample analytical batch WG1091141 (analyzed on March 29, 2018). Sample results are qualified by the laboratory "J0" to indicate that percent difference CCVs are outside of laboratory acceptance criteria. **Associated sample with laboratory qualified (J0) results are estimated and qualified (J/UJ).**

- *USEPA Method 8260C:* Continuing calibration verification (CCV) issues were noted by ESC for acrylonitrile, chloromethane, trans-1,4-dichloro-2-butene, di-isopropyl ether, 2-butanone (MEK), 4-methyl-2-pentanone (MIBK) and vinyl acetate associated with the trip blank within soil analytical batch WG1090417 (analyzed on March 28, 2018). These results are qualified by the laboratory "J0" to indicate that percent difference CCVs are outside of laboratory acceptance criteria. **Associated trip blank with laboratory qualified (J0) results are estimated and qualified (J/UJ).**

Method Blank Results

USEPA Method 8260C:
Laboratory method blanks were included with the analytical batch per method requirement. The target analytes (VOCs) were not detected in the method blanks at or above the reported detection limits (RDLs) with the following exceptions:

- Soil (analytical batch WG1091310): A low level of n-hexane was detected in the method blank. No action was necessary as n-hexane was not detected in the associated samples.

Total Solids by SM 2540 G 2011:

Laboratory method blanks were included with the analytical batches per method requirement. The target analytes (% solids) were not detected at a significant level in the method blanks and sample results are not impacted.

Trip Blank Results

USEPA Method 8260C:
A trip blank was collected and submitted for analysis. The target analytes (VOCs) were not detected in the trip blank at or above the RDLs.

Field, Rinsate, or Equipment Blank Results

Field, rinsate, or equipment blanks were not collected.

Field Duplicate Analyses

No field duplicates are associated with this SDG. Refer to laboratory control sample/sample duplicate (LCS/LCSD) for precision data.

Laboratory Duplicate Analyses

USEPA Method 8260C:
A laboratory duplicate sample was not analyzed. Refer to laboratory control sample/sample duplicate (LCS/LCSD) or field duplicate results for precision data.

Total Solids by SM 2540 G 2011:
Laboratory duplicate sample analyses were performed on a client sample IW-47B-50 and on a non-client sample within the analytical batches. The primary/duplicate RPDs for total solids analyses are within the laboratory control limit of 5%.

Surrogate Recoveries

USEPA Method 8260C:
The surrogate recovery results for the samples, laboratory control samples, matrix spike samples, and the method blanks are within the laboratory surrogate control limits for all of the analyses.

Laboratory Control Samples

USEPA Method 8260C:
LCS or LCS/LCSDs were analyzed by USEPA Method 8260C method. The LCS/LCSD %Rs and RPDs for the all target compounds are within the laboratory control criteria for soils and waters with the following exceptions:

- Soil (two sets of LCS/LCSD results are provided by ESC for analytical batch WG1091310): Five samples were reanalyzed at various dilution factors for cis-1,2-dichloroethene. LCS/LCSD %Rs and RPDs for the all target compounds are within the laboratory control criteria for soils for analytical batch WG1091310 analyzed on 3/30/18. Analytical Batch WG1091310 analyzed on 4/1/18 had the following issues:

- LCSD Batch WG1091310: Recoveries for spiking compounds 1,2-dibromoethane, trans-1,4-dichloro-2-butene, and trichloroethene were slightly above laboratory acceptance criteria and qualified by the laboratory (J4). It appears that total xylene LCSD result is also qualified (J4) by the laboratory but recovery is within laboratory criteria. No action was necessary since laboratory acceptance criteria for cis-1,2-dichloroethene are met.
- LCS/LCSD Batch WG1091310: RPD values for spiking compounds 2-hexanone and 4-methyl-2-pentanone are elevated due to wide spike recoveries and are laboratory qualified (J3). No action was taken in these cases.

Total Solids by SM 2540 G 2011:
The LCS %Rs for total solids are within the laboratory control criteria for soils.

Matrix Spike/Matrix Spike Duplicates

USEPA Method 8260C:
Matrix spike/matrix spike duplicate (MS/MSD) analyses were performed on sample IW-47B-65. The MS/MSD %Rs and RPDs for the all target compounds are within the laboratory control criteria for soils.

Other Quality Control Issues

No laboratory quality control issues were identified in the laboratory report.

Compound Identification and Quantitation Limits

The RDLs used for this sample group are acceptable for the project. Several samples were diluted due to elevated concentrations of various target analytes.

Detections between the MDL and RDL are estimated (J) by the laboratory and qualified (J) by the data validator to re-emphasize that the detection is estimated.

Data Assessment

The laboratory data reported for this project were reviewed based on laboratory control limit acceptance criteria and criteria outlined in:

- USEPA Contract Laboratory Program National Functional Guidelines for Organic Superfund Methods Data Review (USEPA, 2017).

Data qualifiers were assigned and laboratory report pages with qualifiers are attached. All data, including qualified data, are judged to be acceptable for their intended use.

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	88.4		1	03/30/2018 15:16	WG1091656

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U UJ		0.0113	0.0566	1	03/29/2018 19:40	WG1091141
Acrylonitrile	U		0.00203	0.0113	1	03/29/2018 19:40	WG1091141
Benzene	U		0.000305	0.00113	1	03/29/2018 19:40	WG1091141
Bromobenzene	U		0.000321	0.00113	1	03/29/2018 19:40	WG1091141
Bromodichloromethane	U		0.000287	0.00113	1	03/29/2018 19:40	WG1091141
Bromochloromethane	U		0.000441	0.00566	1	03/29/2018 19:40	WG1091141
Bromoform	U		0.000480	0.00113	1	03/29/2018 19:40	WG1091141
Bromomethane	U		0.00152	0.00566	1	03/29/2018 19:40	WG1091141
n-Butylbenzene	U		0.000292	0.00113	1	03/29/2018 19:40	WG1091141
sec-Butylbenzene	U		0.000227	0.00113	1	03/29/2018 19:40	WG1091141
tert-Butylbenzene	U		0.000233	0.00113	1	03/29/2018 19:40	WG1091141
Carbon disulfide	U		0.000250	0.00113	1	03/29/2018 19:40	WG1091141
Carbon tetrachloride	U		0.000371	0.00113	1	03/29/2018 19:40	WG1091141
Chlorobenzene	U		0.000240	0.00113	1	03/29/2018 19:40	WG1091141
Chlorodibromomethane	U		0.000422	0.00113	1	03/29/2018 19:40	WG1091141
Chloroethane	U		0.00107	0.00566	1	03/29/2018 19:40	WG1091141
Chloroform	U		0.000259	0.00566	1	03/29/2018 19:40	WG1091141
Chloromethane	U		0.000424	0.00283	1	03/29/2018 19:40	WG1091141
2-Chlorotoluene	U		0.000341	0.00113	1	03/29/2018 19:40	WG1091141
4-Chlorotoluene	U		0.000272	0.00113	1	03/29/2018 19:40	WG1091141
1,2-Dibromo-3-Chloropropane	U		0.00119	0.00566	1	03/29/2018 19:40	WG1091141
1,2-Dibromoethane	U		0.000388	0.00113	1	03/29/2018 19:40	WG1091141
Dibromomethane	U		0.000432	0.00113	1	03/29/2018 19:40	WG1091141
1,2-Dichlorobenzene	U		0.000345	0.00113	1	03/29/2018 19:40	WG1091141
1,3-Dichlorobenzene	U		0.000270	0.00113	1	03/29/2018 19:40	WG1091141
1,4-Dichlorobenzene	U		0.000256	0.00113	1	03/29/2018 19:40	WG1091141
Dichlorodifluoromethane	U	J0	0.000807	0.00566	1	03/29/2018 19:40	WG1091141
1,1-Dichloroethane	U		0.000225	0.00113	1	03/29/2018 19:40	WG1091141
1,2-Dichloroethane	U		0.000300	0.00113	1	03/29/2018 19:40	WG1091141
1,1-Dichloroethene	U UJ		0.000343	0.00113	1	03/29/2018 19:40	WG1091141
cis-1,2-Dichloroethene	0.00859 J		0.000266	0.00113	1	03/29/2018 19:40	WG1091141
trans-1,2-Dichloroethene	U UJ		0.000299	0.00113	1	03/29/2018 19:40	WG1091141
1,2-Dichloropropane	U		0.000405	0.00113	1	03/29/2018 19:40	WG1091141
1,1-Dichloropropene	U		0.000359	0.00113	1	03/29/2018 19:40	WG1091141
1,3-Dichloropropane	U		0.000234	0.00113	1	03/29/2018 19:40	WG1091141
cis-1,3-Dichloropropene	U		0.000296	0.00113	1	03/29/2018 19:40	WG1091141
trans-1,3-Dichloropropene	U		0.000302	0.00113	1	03/29/2018 19:40	WG1091141
trans-1,4-Dichloro-2-butene	U		0.000880	0.00283	1	03/29/2018 19:40	WG1091141
2,2-Dichloropropane	U		0.000316	0.00113	1	03/29/2018 19:40	WG1091141
Di-isopropyl ether	U		0.000281	0.00113	1	03/29/2018 19:40	WG1091141
Ethylbenzene	U		0.000336	0.00113	1	03/29/2018 19:40	WG1091141
Hexachloro-1,3-butadiene	U		0.000387	0.00113	1	03/29/2018 19:40	WG1091141
2-Hexanone	U		0.00155	0.0113	1	03/29/2018 19:40	WG1091141
n-Hexane	U		0.000328	0.0113	1	03/29/2018 19:40	WG1091141
Iodomethane	U		0.00286	0.0113	1	03/29/2018 19:40	WG1091141
Isopropylbenzene	U		0.000275	0.00113	1	03/29/2018 19:40	WG1091141
p-Isopropyltoluene	U		0.000231	0.00113	1	03/29/2018 19:40	WG1091141
2-Butanone (MEK)	U		0.00530	0.0113	1	03/29/2018 19:40	WG1091141
Methylene Chloride	U		0.00113	0.00566	1	03/29/2018 19:40	WG1091141
4-Methyl-2-pentanone (MIBK)	U		0.00213	0.0113	1	03/29/2018 19:40	WG1091141

JC 4/17/18

IW-47B-25

Collected date/time: 03/22/18 11:34

SAMPLE RESULTS - 01

L980719

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U	UJ	0.000240	0.00113	1	03/29/2018 19:40	WG1091141
Naphthalene	U		0.00113	0.00566	1	03/29/2018 19:40	WG1091141
n-Propylbenzene	U	↓	0.000233	0.00113	1	03/29/2018 19:40	WG1091141
Styrene	U	↓	0.000265	0.00113	1	03/29/2018 19:40	WG1091141
1,1,1,2-Tetrachloroethane	U	↓	0.000299	0.00113	1	03/29/2018 19:40	WG1091141
1,1,2,2-Tetrachloroethane	U	↓	0.000413	0.00113	1	03/29/2018 19:40	WG1091141
1,1,2-Trichlorotrifluoroethane	U	↓	0.000413	0.00113	1	03/29/2018 19:40	WG1091141
Tetrachloroethene	0.0435	J	0.000312	0.00113	1	03/29/2018 19:40	WG1091141
Toluene	U	UJ	0.000491	0.00566	1	03/29/2018 19:40	WG1091141
1,2,3-Trichlorobenzene	U	↓	0.000346	0.00113	1	03/29/2018 19:40	WG1091141
1,2,4-Trichlorobenzene	U	↓	0.000439	0.00113	1	03/29/2018 19:40	WG1091141
1,1,1-Trichloroethane	U	↓	0.000324	0.00113	1	03/29/2018 19:40	WG1091141
1,1,2-Trichloroethane	U	↓	0.000313	0.00113	1	03/29/2018 19:40	WG1091141
Trichloroethene	0.00663	J	0.000316	0.00113	1	03/29/2018 19:40	WG1091141
Trichlorofluoromethane	U	UJ	0.000432	0.00566	1	03/29/2018 19:40	WG1091141
1,2,3-Trichloropropane	U	↓	0.000838	0.00283	1	03/29/2018 19:40	WG1091141
1,2,4-Trimethylbenzene	U	↓	0.000239	0.00113	1	03/29/2018 19:40	WG1091141
1,2,3-Trimethylbenzene	U	↓	0.000325	0.00113	1	03/29/2018 19:40	WG1091141
1,3,5-Trimethylbenzene	U	↓	0.000301	0.00113	1	03/29/2018 19:40	WG1091141
Vinyl acetate	U	↓	0.00270	0.0113	1	03/29/2018 19:40	WG1091141
Vinyl chloride	U	↓	0.000329	0.00113	1	03/29/2018 19:40	WG1091141
Xylenes, Total	U	↓	0.000790	0.00339	1	03/29/2018 19:40	WG1091141
(S) Toluene-d8	*99.6*			*80.0-120*		*03/29/2018 19:40*	WG1091141
(S) Dibromofluoromethane	*108*			*74.0-131*		*03/29/2018 19:40*	WG1091141
(S) 4-Bromofluorobenzene	*103*			*64.0-132*		*03/29/2018 19:40*	WG1091141

JC 4/17/18

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	89.2		1	03/30/2018 15:16	WG1091656

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg		Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.0166	J	J	0.0112	0.0561	1	03/29/2018 20:01	WG1091141
Acrylonitrile	U	UJ		0.00201	0.0112	1	03/29/2018 20:01	WG1091141
Benzene	U			0.000303	0.00112	1	03/29/2018 20:01	WG1091141
Bromobenzene	U			0.000318	0.00112	1	03/29/2018 20:01	WG1091141
Bromodichloromethane	U			0.000285	0.00112	1	03/29/2018 20:01	WG1091141
Bromochloromethane	U			0.000437	0.00561	1	03/29/2018 20:01	WG1091141
Bromoform	U			0.000475	0.00112	1	03/29/2018 20:01	WG1091141
Bromomethane	U			0.00150	0.00561	1	03/29/2018 20:01	WG1091141
n-Butylbenzene	U			0.000289	0.00112	1	03/29/2018 20:01	WG1091141
sec-Butylbenzene	U			0.000225	0.00112	1	03/29/2018 20:01	WG1091141
tert-Butylbenzene	U			0.000231	0.00112	1	03/29/2018 20:01	WG1091141
Carbon disulfide	0.000846	J	J	0.000248	0.00112	1	03/29/2018 20:01	WG1091141
Carbon tetrachloride	U	UJ		0.000368	0.00112	1	03/29/2018 20:01	WG1091141
Chlorobenzene	U			0.000238	0.00112	1	03/29/2018 20:01	WG1091141
Chlorodibromomethane	U			0.000418	0.00112	1	03/29/2018 20:01	WG1091141
Chloroethane	U			0.00106	0.00561	1	03/29/2018 20:01	WG1091141
Chloroform	U			0.000257	0.00561	1	03/29/2018 20:01	WG1091141
Chloromethane	U			0.000420	0.00280	1	03/29/2018 20:01	WG1091141
2-Chlorotoluene	U			0.000337	0.00112	1	03/29/2018 20:01	WG1091141
4-Chlorotoluene	U			0.000269	0.00112	1	03/29/2018 20:01	WG1091141
1,2-Dibromo-3-Chloropropane	U			0.00118	0.00561	1	03/29/2018 20:01	WG1091141
1,2-Dibromoethane	U			0.000385	0.00112	1	03/29/2018 20:01	WG1091141
Dibromomethane	U			0.000428	0.00112	1	03/29/2018 20:01	WG1091141
1,2-Dichlorobenzene	U			0.000342	0.00112	1	03/29/2018 20:01	WG1091141
1,3-Dichlorobenzene	U			0.000268	0.00112	1	03/29/2018 20:01	WG1091141
1,4-Dichlorobenzene	U			0.000253	0.00112	1	03/29/2018 20:01	WG1091141
Dichlorodifluoromethane	U		J0	0.000799	0.00561	1	03/29/2018 20:01	WG1091141
1,1-Dichloroethane	U			0.000223	0.00112	1	03/29/2018 20:01	WG1091141
1,2-Dichloroethane	U			0.000297	0.00112	1	03/29/2018 20:01	WG1091141
1,1-Dichloroethene	0.000571	J	J	0.000340	0.00112	1	03/29/2018 20:01	WG1091141
cis-1,2-Dichloroethene	0.146	J		0.000263	0.00112	1	03/29/2018 20:01	WG1091141
trans-1,2-Dichloroethene	0.000962	J	J	0.000296	0.00112	1	03/29/2018 20:01	WG1091141
1,2-Dichloropropane	U	UJ		0.000401	0.00112	1	03/29/2018 20:01	WG1091141
1,1-Dichloropropene	U			0.000355	0.00112	1	03/29/2018 20:01	WG1091141
1,3-Dichloropropane	U			0.000232	0.00112	1	03/29/2018 20:01	WG1091141
cis-1,3-Dichloropropene	U			0.000294	0.00112	1	03/29/2018 20:01	WG1091141
trans-1,3-Dichloropropene	U			0.000299	0.00112	1	03/29/2018 20:01	WG1091141
trans-1,4-Dichloro-2-butene	U			0.000872	0.00280	1	03/29/2018 20:01	WG1091141
2,2-Dichloropropane	U			0.000313	0.00112	1	03/29/2018 20:01	WG1091141
Di-isopropyl ether	U			0.000278	0.00112	1	03/29/2018 20:01	WG1091141
Ethylbenzene	U			0.000333	0.00112	1	03/29/2018 20:01	WG1091141
Hexachloro-1,3-butadiene	U			0.000383	0.00112	1	03/29/2018 20:01	WG1091141
2-Hexanone	U			0.00154	0.0112	1	03/29/2018 20:01	WG1091141
n-Hexane	U			0.000325	0.0112	1	03/29/2018 20:01	WG1091141
Iodomethane	U			0.00284	0.0112	1	03/29/2018 20:01	WG1091141
Isopropylbenzene	U			0.000272	0.00112	1	03/29/2018 20:01	WG1091141
p-Isopropyltoluene	U			0.000229	0.00112	1	03/29/2018 20:01	WG1091141
2-Butanone (MEK)	0.0126	J		0.00525	0.0112	1	03/29/2018 20:01	WG1091141
Methylene Chloride	U	UJ		0.00112	0.00561	1	03/29/2018 20:01	WG1091141
4-Methyl-2-pentanone (MIBK)	U			0.00211	0.0112	1	03/29/2018 20:01	WG1091141

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IW-47B-30

Collected date/time: 03/22/18 11:40

SAMPLE RESULTS - 02

L980719

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U	UJ	0.000238	0.00112	1	03/29/2018 20:01	WG1091141
Naphthalene	U	↓	0.00112	0.00561	1	03/29/2018 20:01	WG1091141
n-Propylbenzene	U	↓	0.000231	0.00112	1	03/29/2018 20:01	WG1091141
Styrene	U	↓	0.000262	0.00112	1	03/29/2018 20:01	WG1091141
1,1,1,2-Tetrachloroethane	U	↓	0.000296	0.00112	1	03/29/2018 20:01	WG1091141
1,1,2,2-Tetrachloroethane	U	↓	0.000409	0.00112	1	03/29/2018 20:01	WG1091141
1,1,2-Trichlorotrifluoroethane	U	↓	0.000409	0.00112	1	03/29/2018 20:01	WG1091141
Tetrachloroethene	0.00334	J	0.000309	0.00112	1	03/29/2018 20:01	WG1091141
Toluene	U	UJ	0.000487	0.00561	1	03/29/2018 20:01	WG1091141
1,2,3-Trichlorobenzene	U	↓	0.000343	0.00112	1	03/29/2018 20:01	WG1091141
1,2,4-Trichlorobenzene	U	↓	0.000435	0.00112	1	03/29/2018 20:01	WG1091141
1,1,1-Trichloroethane	U	↓	0.000321	0.00112	1	03/29/2018 20:01	WG1091141
1,1,2-Trichloroethane	U	↓	0.000311	0.00112	1	03/29/2018 20:01	WG1091141
Trichloroethene	0.00136	J	0.000313	0.00112	1	03/29/2018 20:01	WG1091141
Trichlorofluoromethane	U	UJ	0.000428	0.00561	1	03/29/2018 20:01	WG1091141
1,2,3-Trichloropropane	U	↓	0.000831	0.00280	1	03/29/2018 20:01	WG1091141
1,2,4-Trimethylbenzene	U	↓	0.000237	0.00112	1	03/29/2018 20:01	WG1091141
1,2,3-Trimethylbenzene	U	↓	0.000322	0.00112	1	03/29/2018 20:01	WG1091141
1,3,5-Trimethylbenzene	U	↓	0.000298	0.00112	1	03/29/2018 20:01	WG1091141
Vinyl acetate	U	↓	0.00268	0.0112	1	03/29/2018 20:01	WG1091141
Vinyl chloride	U	↓	0.000326	0.00112	1	03/29/2018 20:01	WG1091141
Xylenes, Total	U	↓	0.000783	0.00336	1	03/29/2018 20:01	WG1091141
(S) Toluene-d8	*99.3*			*80.0-120*		*03/29/2018 20:01*	WG1091141
(S) Dibromofluoromethane	*104*			*74.0-131*		*03/29/2018 20:01*	WG1091141
(S) 4-Bromofluorobenzene	*105*			*64.0-132*		*03/29/2018 20:01*	WG1091141

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Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	90.9		1	03/30/2018 15:16	WG1091656

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg		Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.0184	J	J	0.0110	0.0550	1	03/29/2018 20:23	WG1091141
Acrylonitrile	U	UJ		0.00197	0.0110	1	03/29/2018 20:23	WG1091141
Benzene	U			0.000297	0.00110	1	03/29/2018 20:23	WG1091141
Bromobenzene	U			0.000312	0.00110	1	03/29/2018 20:23	WG1091141
Bromodichloromethane	U			0.000279	0.00110	1	03/29/2018 20:23	WG1091141
Bromochloromethane	U			0.000429	0.00550	1	03/29/2018 20:23	WG1091141
Bromoform	U			0.000466	0.00110	1	03/29/2018 20:23	WG1091141
Bromomethane	U			0.00147	0.00550	1	03/29/2018 20:23	WG1091141
n-Butylbenzene	U			0.000284	0.00110	1	03/29/2018 20:23	WG1091141
sec-Butylbenzene	U			0.000221	0.00110	1	03/29/2018 20:23	WG1091141
tert-Butylbenzene	U			0.000227	0.00110	1	03/29/2018 20:23	WG1091141
Carbon disulfide	0.00108	J	J	0.000243	0.00110	1	03/29/2018 20:23	WG1091141
Carbon tetrachloride	U	UJ		0.000361	0.00110	1	03/29/2018 20:23	WG1091141
Chlorobenzene	U			0.000233	0.00110	1	03/29/2018 20:23	WG1091141
Chlorodibromomethane	U			0.000410	0.00110	1	03/29/2018 20:23	WG1091141
Chloroethane	U			0.00104	0.00550	1	03/29/2018 20:23	WG1091141
Chloroform	U			0.000252	0.00550	1	03/29/2018 20:23	WG1091141
Chloromethane	U			0.000412	0.00275	1	03/29/2018 20:23	WG1091141
2-Chlorotoluene	U			0.000331	0.00110	1	03/29/2018 20:23	WG1091141
4-Chlorotoluene	U			0.000264	0.00110	1	03/29/2018 20:23	WG1091141
1,2-Dibromo-3-Chloropropane	U			0.00115	0.00550	1	03/29/2018 20:23	WG1091141
1,2-Dibromoethane	U			0.000377	0.00110	1	03/29/2018 20:23	WG1091141
Dibromomethane	U			0.000420	0.00110	1	03/29/2018 20:23	WG1091141
1,2-Dichlorobenzene	U			0.000335	0.00110	1	03/29/2018 20:23	WG1091141
1,3-Dichlorobenzene	U			0.000263	0.00110	1	03/29/2018 20:23	WG1091141
1,4-Dichlorobenzene	U			0.000249	0.00110	1	03/29/2018 20:23	WG1091141
Dichlorodifluoromethane	U		J0	0.000784	0.00550	1	03/29/2018 20:23	WG1091141
1,1-Dichloroethane	U			0.000219	0.00110	1	03/29/2018 20:23	WG1091141
1,2-Dichloroethane	U			0.000291	0.00110	1	03/29/2018 20:23	WG1091141
1,1-Dichloroethene	U			0.000333	0.00110	1	03/29/2018 20:23	WG1091141
cis-1,2-Dichloroethene	0.00566	J		0.000258	0.00110	1	03/29/2018 20:23	WG1091141
trans-1,2-Dichloroethene	U	UJ		0.000290	0.00110	1	03/29/2018 20:23	WG1091141
1,2-Dichloropropane	U			0.000394	0.00110	1	03/29/2018 20:23	WG1091141
1,1-Dichloropropene	U			0.000349	0.00110	1	03/29/2018 20:23	WG1091141
1,3-Dichloropropane	U			0.000228	0.00110	1	03/29/2018 20:23	WG1091141
cis-1,3-Dichloropropene	U			0.000288	0.00110	1	03/29/2018 20:23	WG1091141
trans-1,3-Dichloropropene	U			0.000294	0.00110	1	03/29/2018 20:23	WG1091141
trans-1,4-Dichloro-2-butene	U			0.000856	0.00275	1	03/29/2018 20:23	WG1091141
2,2-Dichloropropane	U			0.000307	0.00110	1	03/29/2018 20:23	WG1091141
Di-isopropyl ether	U			0.000273	0.00110	1	03/29/2018 20:23	WG1091141
Ethylbenzene	U			0.000327	0.00110	1	03/29/2018 20:23	WG1091141
Hexachloro-1,3-butadiene	U			0.000376	0.00110	1	03/29/2018 20:23	WG1091141
2-Hexanone	U			0.00151	0.0110	1	03/29/2018 20:23	WG1091141
n-Hexane	U			0.000319	0.0110	1	03/29/2018 20:23	WG1091141
Iodomethane	U			0.00278	0.0110	1	03/29/2018 20:23	WG1091141
Isopropylbenzene	U			0.000267	0.00110	1	03/29/2018 20:23	WG1091141
p-Isopropyltoluene	U			0.000224	0.00110	1	03/29/2018 20:23	WG1091141
2-Butanone (MEK)	U			0.00515	0.0110	1	03/29/2018 20:23	WG1091141
Methylene Chloride	U			0.00110	0.00550	1	03/29/2018 20:23	WG1091141
4-Methyl-2-pentanone (MIBK)	U			0.00207	0.0110	1	03/29/2018 20:23	WG1091141

JC 4/17/18

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U	UJ	0.000233	0.00110	1	03/29/2018 20:23	WG1091141
Naphthalene	U		0.00110	0.00550	1	03/29/2018 20:23	WG1091141
n-Propylbenzene	U		0.000227	0.00110	1	03/29/2018 20:23	WG1091141
Styrene	U		0.000257	0.00110	1	03/29/2018 20:23	WG1091141
1,1,1,2-Tetrachloroethane	U		0.000290	0.00110	1	03/29/2018 20:23	WG1091141
1,1,2,2-Tetrachloroethane	U		0.000401	0.00110	1	03/29/2018 20:23	WG1091141
1,1,2-Trichlorotrifluoroethane	U	↓	0.000401	0.00110	1	03/29/2018 20:23	WG1091141
Tetrachloroethene	0.00552	J	0.000304	0.00110	1	03/29/2018 20:23	WG1091141
Toluene	U	UJ	0.000477	0.00550	1	03/29/2018 20:23	WG1091141
1,2,3-Trichlorobenzene	U		0.000337	0.00110	1	03/29/2018 20:23	WG1091141
1,2,4-Trichlorobenzene	U		0.000427	0.00110	1	03/29/2018 20:23	WG1091141
1,1,1-Trichloroethane	U		0.000315	0.00110	1	03/29/2018 20:23	WG1091141
1,1,2-Trichloroethane	U	↓	0.000305	0.00110	1	03/29/2018 20:23	WG1091141
Trichloroethene	0.00173	J	0.000307	0.00110	1	03/29/2018 20:23	WG1091141
Trichlorofluoromethane	U	UJ	0.000420	0.00550	1	03/29/2018 20:23	WG1091141
1,2,3-Trichloropropane	U		0.000815	0.00275	1	03/29/2018 20:23	WG1091141
1,2,4-Trimethylbenzene	U		0.000232	0.00110	1	03/29/2018 20:23	WG1091141
1,2,3-Trimethylbenzene	U		0.000316	0.00110	1	03/29/2018 20:23	WG1091141
1,3,5-Trimethylbenzene	U		0.000293	0.00110	1	03/29/2018 20:23	WG1091141
Vinyl acetate	U		0.00263	0.0110	1	03/29/2018 20:23	WG1091141
Vinyl chloride	U		0.000320	0.00110	1	03/29/2018 20:23	WG1091141
Xylenes, Total	U	↓	0.000768	0.00330	1	03/29/2018 20:23	WG1091141
(S) Toluene-d8	*98.7*			*80.0-120*		*03/29/2018 20:23*	WG1091141
(S) Dibromofluoromethane	*103*			*74.0-131*		*03/29/2018 20:23*	WG1091141
(S) 4-Bromofluorobenzene	*104*			*64.0-132*		*03/29/2018 20:23*	WG1091141

JC 4/17/18

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	88.1		1	03/30/2018 15:16	WG1091656

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg		Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.0221	J	J	0.0114	0.0568	1	03/29/2018 20:44	WG1091141
Acrylonitrile	U	UJ		0.00203	0.0114	1	03/29/2018 20:44	WG1091141
Benzene	U			0.000306	0.00114	1	03/29/2018 20:44	WG1091141
Bromobenzene	U			0.000322	0.00114	1	03/29/2018 20:44	WG1091141
Bromodichloromethane	U			0.000288	0.00114	1	03/29/2018 20:44	WG1091141
Bromochloromethane	U			0.000443	0.00568	1	03/29/2018 20:44	WG1091141
Bromoform	U			0.000481	0.00114	1	03/29/2018 20:44	WG1091141
Bromomethane	U			0.00152	0.00568	1	03/29/2018 20:44	WG1091141
n-Butylbenzene	U			0.000293	0.00114	1	03/29/2018 20:44	WG1091141
sec-Butylbenzene	U			0.000228	0.00114	1	03/29/2018 20:44	WG1091141
tert-Butylbenzene	U	↓		0.000234	0.00114	1	03/29/2018 20:44	WG1091141
Carbon disulfide	0.00131	J		0.000251	0.00114	1	03/29/2018 20:44	WG1091141
Carbon tetrachloride	U	UJ		0.000372	0.00114	1	03/29/2018 20:44	WG1091141
Chlorobenzene	U			0.000241	0.00114	1	03/29/2018 20:44	WG1091141
Chlorodibromomethane	U			0.000423	0.00114	1	03/29/2018 20:44	WG1091141
Chloroethane	U			0.00107	0.00568	1	03/29/2018 20:44	WG1091141
Chloroform	U			0.000260	0.00568	1	03/29/2018 20:44	WG1091141
Chloromethane	U			0.000426	0.00284	1	03/29/2018 20:44	WG1091141
2-Chlorotoluene	U			0.000342	0.00114	1	03/29/2018 20:44	WG1091141
4-Chlorotoluene	U			0.000272	0.00114	1	03/29/2018 20:44	WG1091141
1,2-Dibromo-3-Chloropropane	U			0.00119	0.00568	1	03/29/2018 20:44	WG1091141
1,2-Dibromoethane	U			0.000389	0.00114	1	03/29/2018 20:44	WG1091141
Dibromomethane	U			0.000434	0.00114	1	03/29/2018 20:44	WG1091141
1,2-Dichlorobenzene	U			0.000346	0.00114	1	03/29/2018 20:44	WG1091141
1,3-Dichlorobenzene	U			0.000271	0.00114	1	03/29/2018 20:44	WG1091141
1,4-Dichlorobenzene	U			0.000257	0.00114	1	03/29/2018 20:44	WG1091141
Dichlorodifluoromethane	U		J0	0.000809	0.00568	1	03/29/2018 20:44	WG1091141
1,1-Dichloroethane	U			0.000226	0.00114	1	03/29/2018 20:44	WG1091141
1,2-Dichloroethane	U			0.000301	0.00114	1	03/29/2018 20:44	WG1091141
1,1-Dichloroethene	U	↓		0.000344	0.00114	1	03/29/2018 20:44	WG1091141
cis-1,2-Dichloroethene	0.0378	J		0.000267	0.00114	1	03/29/2018 20:44	WG1091141
trans-1,2-Dichloroethene	U	UJ		0.000300	0.00114	1	03/29/2018 20:44	WG1091141
1,2-Dichloropropane	U			0.000406	0.00114	1	03/29/2018 20:44	WG1091141
1,1-Dichloropropene	U			0.000360	0.00114	1	03/29/2018 20:44	WG1091141
1,3-Dichloropropane	U			0.000235	0.00114	1	03/29/2018 20:44	WG1091141
cis-1,3-Dichloropropene	U			0.000297	0.00114	1	03/29/2018 20:44	WG1091141
trans-1,3-Dichloropropene	U			0.000303	0.00114	1	03/29/2018 20:44	WG1091141
trans-1,4-Dichloro-2-butene	U			0.000883	0.00284	1	03/29/2018 20:44	WG1091141
2,2-Dichloropropane	U			0.000317	0.00114	1	03/29/2018 20:44	WG1091141
Di-isopropyl ether	U			0.000282	0.00114	1	03/29/2018 20:44	WG1091141
Ethylbenzene	U			0.000337	0.00114	1	03/29/2018 20:44	WG1091141
Hexachloro-1,3-butadiene	U			0.000388	0.00114	1	03/29/2018 20:44	WG1091141
2-Hexanone	U	↓		0.00156	0.0114	1	03/29/2018 20:44	WG1091141
n-Hexane	0.00235	J	J	0.000329	0.0114	1	03/29/2018 20:44	WG1091141
Iodomethane	U	UJ		0.00287	0.0114	1	03/29/2018 20:44	WG1091141
Isopropylbenzene	U			0.000276	0.00114	1	03/29/2018 20:44	WG1091141
p-Isopropyltoluene	U	↓		0.000232	0.00114	1	03/29/2018 20:44	WG1091141
2-Butanone (MEK)	0.00909	J	J	0.00531	0.0114	1	03/29/2018 20:44	WG1091141
Methylene Chloride	U	UJ		0.00114	0.00568	1	03/29/2018 20:44	WG1091141
4-Methyl-2-pentanone (MIBK)	U	↓		0.00213	0.0114	1	03/29/2018 20:44	WG1091141

JL 4/17/18

IW-47B-40

Collected date/time: 03/22/18 12:16

SAMPLE RESULTS - 04

L980719

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U	UJ	0.000241	0.00114	1	03/29/2018 20:44	WG1091141
Naphthalene	U	↓	0.00114	0.00568	1	03/29/2018 20:44	WG1091141
n-Propylbenzene	U	↓	0.000234	0.00114	1	03/29/2018 20:44	WG1091141
Styrene	U	↓	0.000266	0.00114	1	03/29/2018 20:44	WG1091141
1,1,1,2-Tetrachloroethane	U	↓	0.000300	0.00114	1	03/29/2018 20:44	WG1091141
1,1,2,2-Tetrachloroethane	U	↓	0.000414	0.00114	1	03/29/2018 20:44	WG1091141
1,1,2-Trichlorotrifluoroethane	U	↓	0.000414	0.00114	1	03/29/2018 20:44	WG1091141
Tetrachloroethene	0.0155	J	0.000313	0.00114	1	03/29/2018 20:44	WG1091141
Toluene	U	UJ	0.000493	0.00568	1	03/29/2018 20:44	WG1091141
1,2,3-Trichlorobenzene	U	↓	0.000347	0.00114	1	03/29/2018 20:44	WG1091141
1,2,4-Trichlorobenzene	U	↓	0.000440	0.00114	1	03/29/2018 20:44	WG1091141
1,1,1-Trichloroethane	U	↓	0.000325	0.00114	1	03/29/2018 20:44	WG1091141
1,1,2-Trichloroethane	U	↓	0.000314	0.00114	1	03/29/2018 20:44	WG1091141
Trichloroethene	0.00284	J	0.000317	0.00114	1	03/29/2018 20:44	WG1091141
Trichlorofluoromethane	U	UJ	0.000434	0.00568	1	03/29/2018 20:44	WG1091141
1,2,3-Trichloropropane	U	↓	0.000841	0.00284	1	03/29/2018 20:44	WG1091141
1,2,4-Trimethylbenzene	U	↓	0.000240	0.00114	1	03/29/2018 20:44	WG1091141
1,2,3-Trimethylbenzene	U	↓	0.000326	0.00114	1	03/29/2018 20:44	WG1091141
1,3,5-Trimethylbenzene	U	↓	0.000302	0.00114	1	03/29/2018 20:44	WG1091141
Vinyl acetate	U		0.00271	0.0114	1	03/29/2018 20:44	WG1091141
Vinyl chloride	0.00246	J	0.000330	0.00114	1	03/29/2018 20:44	WG1091141
Xylenes, Total	U	UJ	0.000792	0.00341	1	03/29/2018 20:44	WG1091141
(S) Toluene-d8	*100*			*80.0-120*		*03/29/2018 20:44*	WG1091141
(S) Dibromofluoromethane	*107*			*74.0-131*		*03/29/2018 20:44*	WG1091141
(S) 4-Bromofluorobenzene	*104*			*64.0-132*		*03/29/2018 20:44*	WG1091141

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IW-47B-42

Collected date/time: 03/22/18 13:13

SAMPLE RESULTS - 05

L980719

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	86.1		1	03/30/2018 15:16	WG1091656

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg		Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.0138	J	J	0.0131	0.0656	1.13	03/29/2018 21:05	WG1091141
Acrylonitrile	U	UJ		0.00235	0.0131	1.13	03/29/2018 21:05	WG1091141
Benzene	U			0.000354	0.00131	1.13	03/29/2018 21:05	WG1091141
Bromobenzene	U			0.000373	0.00131	1.13	03/29/2018 21:05	WG1091141
Bromodichloromethane	U			0.000333	0.00131	1.13	03/29/2018 21:05	WG1091141
Bromochloromethane	U			0.000512	0.00656	1.13	03/29/2018 21:05	WG1091141
Bromoform	U			0.000556	0.00131	1.13	03/29/2018 21:05	WG1091141
Bromomethane	U			0.00175	0.00656	1.13	03/29/2018 21:05	WG1091141
n-Butylbenzene	U			0.000339	0.00131	1.13	03/29/2018 21:05	WG1091141
sec-Butylbenzene	U			0.000264	0.00131	1.13	03/29/2018 21:05	WG1091141
tert-Butylbenzene	U			0.000271	0.00131	1.13	03/29/2018 21:05	WG1091141
Carbon disulfide	0.00132	J		0.000290	0.00131	1.13	03/29/2018 21:05	WG1091141
Carbon tetrachloride	U	UJ		0.000431	0.00131	1.13	03/29/2018 21:05	WG1091141
Chlorobenzene	U			0.000279	0.00131	1.13	03/29/2018 21:05	WG1091141
Chlorodibromomethane	U			0.000489	0.00131	1.13	03/29/2018 21:05	WG1091141
Chloroethane	U			0.00124	0.00656	1.13	03/29/2018 21:05	WG1091141
Chloroform	U			0.000301	0.00656	1.13	03/29/2018 21:05	WG1091141
Chloromethane	U			0.000492	0.00328	1.13	03/29/2018 21:05	WG1091141
2-Chlorotoluene	U			0.000395	0.00131	1.13	03/29/2018 21:05	WG1091141
4-Chlorotoluene	U			0.000315	0.00131	1.13	03/29/2018 21:05	WG1091141
1,2-Dibromo-3-Chloropropane	U			0.00138	0.00656	1.13	03/29/2018 21:05	WG1091141
1,2-Dibromoethane	U			0.000451	0.00131	1.13	03/29/2018 21:05	WG1091141
Dibromomethane	U			0.000502	0.00131	1.13	03/29/2018 21:05	WG1091141
1,2-Dichlorobenzene	U			0.000401	0.00131	1.13	03/29/2018 21:05	WG1091141
1,3-Dichlorobenzene	U			0.000314	0.00131	1.13	03/29/2018 21:05	WG1091141
1,4-Dichlorobenzene	U			0.000296	0.00131	1.13	03/29/2018 21:05	WG1091141
Dichlorodifluoromethane	U		J0	0.000936	0.00656	1.13	03/29/2018 21:05	WG1091141
1,1-Dichloroethane	U			0.000261	0.00131	1.13	03/29/2018 21:05	WG1091141
1,2-Dichloroethane	U			0.000347	0.00131	1.13	03/29/2018 21:05	WG1091141
1,1-Dichloroethene	U			0.000397	0.00131	1.13	03/29/2018 21:05	WG1091141
cis-1,2-Dichloroethene	0.0477	J		0.000309	0.00131	1.13	03/29/2018 21:05	WG1091141
trans-1,2-Dichloroethene	U	UJ		0.000346	0.00131	1.13	03/29/2018 21:05	WG1091141
1,2-Dichloropropane	U			0.000469	0.00131	1.13	03/29/2018 21:05	WG1091141
1,1-Dichloropropene	U			0.000416	0.00131	1.13	03/29/2018 21:05	WG1091141
1,3-Dichloropropane	U			0.000272	0.00131	1.13	03/29/2018 21:05	WG1091141
cis-1,3-Dichloropropene	U			0.000344	0.00131	1.13	03/29/2018 21:05	WG1091141
trans-1,3-Dichloropropene	U			0.000351	0.00131	1.13	03/29/2018 21:05	WG1091141
trans-1,4-Dichloro-2-butene	U			0.00102	0.00328	1.13	03/29/2018 21:05	WG1091141
2,2-Dichloropropane	U			0.000366	0.00131	1.13	03/29/2018 21:05	WG1091141
Di-isopropyl ether	U			0.000325	0.00131	1.13	03/29/2018 21:05	WG1091141
Ethylbenzene	U			0.000390	0.00131	1.13	03/29/2018 21:05	WG1091141
Hexachloro-1,3-butadiene	U			0.000448	0.00131	1.13	03/29/2018 21:05	WG1091141
2-Hexanone	U			0.00180	0.0131	1.13	03/29/2018 21:05	WG1091141
n-Hexane	0.000702	J	J	0.000381	0.0131	1.13	03/29/2018 21:05	WG1091141
Iodomethane	U	UJ		0.00332	0.0131	1.13	03/29/2018 21:05	WG1091141
Isopropylbenzene	U			0.000318	0.00131	1.13	03/29/2018 21:05	WG1091141
p-Isopropyltoluene	U			0.000267	0.00131	1.13	03/29/2018 21:05	WG1091141
2-Butanone (MEK)	U			0.00614	0.0131	1.13	03/29/2018 21:05	WG1091141
Methylene Chloride	U			0.00131	0.00656	1.13	03/29/2018 21:05	WG1091141
4-Methyl-2-pentanone (MIBK)	U			0.00246	0.0131	1.13	03/29/2018 21:05	WG1091141

JR 4/17/18

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg		Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U	UJ		0.000279	0.00131	1.13	03/29/2018 21:05	WG1091141
Naphthalene	U	↓		0.00131	0.00656	1.13	03/29/2018 21:05	WG1091141
n-Propylbenzene	U	↓		0.000271	0.00131	1.13	03/29/2018 21:05	WG1091141
Styrene	U	↓		0.000307	0.00131	1.13	03/29/2018 21:05	WG1091141
1,1,1,2-Tetrachloroethane	U	↓		0.000346	0.00131	1.13	03/29/2018 21:05	WG1091141
1,1,2,2-Tetrachloroethane	U	↓		0.000478	0.00131	1.13	03/29/2018 21:05	WG1091141
1,1,2-Trichlorotrifluoroethane	U	↓		0.000478	0.00131	1.13	03/29/2018 21:05	WG1091141
Tetrachloroethene	0.196	J		0.000362	0.00131	1.13	03/29/2018 21:05	WG1091141
Toluene	0.000822	J	J	0.000569	0.00656	1.13	03/29/2018 21:05	WG1091141
1,2,3-Trichlorobenzene	U	UJ		0.000402	0.00131	1.13	03/29/2018 21:05	WG1091141
1,2,4-Trichlorobenzene	U	↓		0.000509	0.00131	1.13	03/29/2018 21:05	WG1091141
1,1,1-Trichloroethane	U	↓		0.000375	0.00131	1.13	03/29/2018 21:05	WG1091141
1,1,2-Trichloroethane	U	↓		0.000364	0.00131	1.13	03/29/2018 21:05	WG1091141
Trichloroethene	0.0157	J		0.000366	0.00131	1.13	03/29/2018 21:05	WG1091141
Trichlorofluoromethane	U	UJ		0.000502	0.00656	1.13	03/29/2018 21:05	WG1091141
1,2,3-Trichloropropane	U	↓		0.000972	0.00328	1.13	03/29/2018 21:05	WG1091141
1,2,4-Trimethylbenzene	U	↓		0.000276	0.00131	1.13	03/29/2018 21:05	WG1091141
1,2,3-Trimethylbenzene	U	↓		0.000376	0.00131	1.13	03/29/2018 21:05	WG1091141
1,3,5-Trimethylbenzene	U	↓		0.000348	0.00131	1.13	03/29/2018 21:05	WG1091141
Vinyl acetate	U	↓		0.00314	0.0131	1.13	03/29/2018 21:05	WG1091141
Vinyl chloride	0.00137	J		0.000382	0.00131	1.13	03/29/2018 21:05	WG1091141
Xylenes, Total	U	UJ		0.000916	0.00394	1.13	03/29/2018 21:05	WG1091141
(S) Toluene-d8	*103*				*80.0-120*		*03/29/2018 21:05*	WG1091141
(S) Dibromofluoromethane	*106*				*74.0-131*		*03/29/2018 21:05*	WG1091141
(S) 4-Bromofluorobenzene	*106*				*64.0-132*		*03/29/2018 21:05*	WG1091141

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IW-47B-45
Collected date/time: 03/22/18 13:20

SAMPLE RESULTS - 06

L980719

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	88.4		1	03/30/2018 15:16	WG1091656

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg		Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.0361	J	J	0.0113	0.0565	1	03/29/2018 21:26	WG1091141
Acrylonitrile	U	UJ		0.00202	0.0113	1	03/29/2018 21:26	WG1091141
Benzene	U			0.000305	0.00113	1	03/29/2018 21:26	WG1091141
Bromobenzene	U			0.000321	0.00113	1	03/29/2018 21:26	WG1091141
Bromodichloromethane	U			0.000287	0.00113	1	03/29/2018 21:26	WG1091141
Bromochloromethane	U			0.000441	0.00565	1	03/29/2018 21:26	WG1091141
Bromoform	U			0.000479	0.00113	1	03/29/2018 21:26	WG1091141
Bromomethane	U			0.00152	0.00565	1	03/29/2018 21:26	WG1091141
n-Butylbenzene	U			0.000292	0.00113	1	03/29/2018 21:26	WG1091141
sec-Butylbenzene	U			0.000227	0.00113	1	03/29/2018 21:26	WG1091141
tert-Butylbenzene	U			0.000233	0.00113	1	03/29/2018 21:26	WG1091141
Carbon disulfide	0.00209	J		0.000250	0.00113	1	03/29/2018 21:26	WG1091141
Carbon tetrachloride	U	UJ		0.000371	0.00113	1	03/29/2018 21:26	WG1091141
Chlorobenzene	U			0.000240	0.00113	1	03/29/2018 21:26	WG1091141
Chlorodibromomethane	U			0.000422	0.00113	1	03/29/2018 21:26	WG1091141
Chloroethane	U			0.00107	0.00565	1	03/29/2018 21:26	WG1091141
Chloroform	U			0.000259	0.00565	1	03/29/2018 21:26	WG1091141
Chloromethane	U			0.000424	0.00283	1	03/29/2018 21:26	WG1091141
2-Chlorotoluene	U			0.000340	0.00113	1	03/29/2018 21:26	WG1091141
4-Chlorotoluene	U			0.000271	0.00113	1	03/29/2018 21:26	WG1091141
1,2-Dibromo-3-Chloropropane	U			0.00119	0.00565	1	03/29/2018 21:26	WG1091141
1,2-Dibromoethane	U			0.000388	0.00113	1	03/29/2018 21:26	WG1091141
Dibromomethane	U			0.000432	0.00113	1	03/29/2018 21:26	WG1091141
1,2-Dichlorobenzene	U			0.000345	0.00113	1	03/29/2018 21:26	WG1091141
1,3-Dichlorobenzene	U			0.000270	0.00113	1	03/29/2018 21:26	WG1091141
1,4-Dichlorobenzene	U			0.000256	0.00113	1	03/29/2018 21:26	WG1091141
Dichlorodifluoromethane	U		JO	0.000806	0.00565	1	03/29/2018 21:26	WG1091141
1,1-Dichloroethane	U			0.000225	0.00113	1	03/29/2018 21:26	WG1091141
1,2-Dichloroethane	U			0.000300	0.00113	1	03/29/2018 21:26	WG1091141
1,1-Dichloroethene	0.00297	J		0.000343	0.00113	1	03/29/2018 21:26	WG1091141
cis-1,2-Dichloroethene	1.42	J		0.0531	0.226	200	03/31/2018 03:08	WG1091141
trans-1,2-Dichloroethene	0.000473	J	J	0.000299	0.00113	1	03/29/2018 21:26	WG1091141
1,2-Dichloropropane	U	UJ		0.000405	0.00113	1	03/29/2018 21:26	WG1091141
1,1-Dichloropropene	U			0.000358	0.00113	1	03/29/2018 21:26	WG1091141
1,3-Dichloropropane	U			0.000234	0.00113	1	03/29/2018 21:26	WG1091141
cis-1,3-Dichloropropene	U			0.000296	0.00113	1	03/29/2018 21:26	WG1091141
trans-1,3-Dichloropropene	U			0.000302	0.00113	1	03/29/2018 21:26	WG1091141
trans-1,4-Dichloro-2-butene	U			0.000880	0.00283	1	03/29/2018 21:26	WG1091141
2,2-Dichloropropane	U			0.000315	0.00113	1	03/29/2018 21:26	WG1091141
Di-isopropyl ether	U			0.000280	0.00113	1	03/29/2018 21:26	WG1091141
Ethylbenzene	U			0.000336	0.00113	1	03/29/2018 21:26	WG1091141
Hexachloro-1,3-butadiene	U			0.000387	0.00113	1	03/29/2018 21:26	WG1091141
2-Hexanone	U			0.00155	0.0113	1	03/29/2018 21:26	WG1091141
n-Hexane	U			0.000328	0.0113	1	03/29/2018 21:26	WG1091141
Iodomethane	U			0.00286	0.0113	1	03/29/2018 21:26	WG1091141
Isopropylbenzene	U			0.000275	0.00113	1	03/29/2018 21:26	WG1091141
p-Isopropyltoluene	U			0.000231	0.00113	1	03/29/2018 21:26	WG1091141
2-Butanone (MEK)	0.00673	J	J	0.00529	0.0113	1	03/29/2018 21:26	WG1091141
Methylene Chloride	U	UJ		0.00113	0.00565	1	03/29/2018 21:26	WG1091141
4-Methyl-2-pentanone (MIBK)	U			0.00213	0.0113	1	03/29/2018 21:26	WG1091141

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IW-47B-45

Collected date/time: 03/22/18 13:20

SAMPLE RESULTS - 06

L980719

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U	UJ	0.000240	0.00113	1	03/29/2018 21:26	WG1091141
Naphthalene	U	↓	0.00113	0.00565	1	03/29/2018 21:26	WG1091141
n-Propylbenzene	U	↓	0.000233	0.00113	1	03/29/2018 21:26	WG1091141
Styrene	U	↓	0.000265	0.00113	1	03/29/2018 21:26	WG1091141
1,1,1,2-Tetrachloroethane	U	↓	0.000299	0.00113	1	03/29/2018 21:26	WG1091141
1,1,2,2-Tetrachloroethane	U	↓	0.000413	0.00113	1	03/29/2018 21:26	WG1091141
1,1,2-Trichlorotrifluoroethane	U	↓	0.000413	0.00113	1	03/29/2018 21:26	WG1091141
Tetrachloroethene	0.0192	J	0.000312	0.00113	1	03/29/2018 21:26	WG1091141
Toluene	U	UJ	0.000491	0.00565	1	03/29/2018 21:26	WG1091141
1,2,3-Trichlorobenzene	U	↓	0.000346	0.00113	1	03/29/2018 21:26	WG1091141
1,2,4-Trichlorobenzene	U	↓	0.000439	0.00113	1	03/29/2018 21:26	WG1091141
1,1,1-Trichloroethane	U	↓	0.000323	0.00113	1	03/29/2018 21:26	WG1091141
1,1,2-Trichloroethane	U	↓	0.000313	0.00113	1	03/29/2018 21:26	WG1091141
Trichloroethene	0.00253	J	0.000315	0.00113	1	03/29/2018 21:26	WG1091141
Trichlorofluoromethane	U	UJ	0.000432	0.00565	1	03/29/2018 21:26	WG1091141
1,2,3-Trichloropropane	U	↓	0.000838	0.00283	1	03/29/2018 21:26	WG1091141
1,2,4-Trimethylbenzene	U	↓	0.000239	0.00113	1	03/29/2018 21:26	WG1091141
1,2,3-Trimethylbenzene	U	↓	0.000325	0.00113	1	03/29/2018 21:26	WG1091141
1,3,5-Trimethylbenzene	U	↓	0.000301	0.00113	1	03/29/2018 21:26	WG1091141
Vinyl acetate	U	↓	0.00270	0.0113	1	03/29/2018 21:26	WG1091141
Vinyl chloride	0.00224	J	0.000329	0.00113	1	03/29/2018 21:26	WG1091141
Xylenes, Total	U	UJ	0.000789	0.00339	1	03/29/2018 21:26	WG1091141
(S) Toluene-d8	*108*			*80.0-120*		*03/31/2018 03:08*	WG1091141
(S) Toluene-d8	*101*			*80.0-120*		*03/29/2018 21:26*	WG1091141
(S) Dibromofluoromethane	*95.8*			*74.0-131*		*03/31/2018 03:08*	WG1091141
(S) Dibromofluoromethane	*107*			*74.0-131*		*03/29/2018 21:26*	WG1091141
(S) 4-Bromofluorobenzene	*105*			*64.0-132*		*03/29/2018 21:26*	WG1091141
(S) 4-Bromofluorobenzene	*103*			*64.0-132*		*03/31/2018 03:08*	WG1091141

4/17/18

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	85.1		1	03/30/2018 15:16	WG1091656

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg		Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.0297	J	J	0.0117	0.0587	1	03/29/2018 21:47	WG1091141
Acrylonitrile	U	UJ		0.00210	0.0117	1	03/29/2018 21:47	WG1091141
Benzene	U			0.000317	0.00117	1	03/29/2018 21:47	WG1091141
Bromobenzene	U			0.000334	0.00117	1	03/29/2018 21:47	WG1091141
Bromodichloromethane	U			0.000298	0.00117	1	03/29/2018 21:47	WG1091141
Bromochloromethane	U			0.000458	0.00587	1	03/29/2018 21:47	WG1091141
Bromoform	U			0.000498	0.00117	1	03/29/2018 21:47	WG1091141
Bromomethane	U			0.00157	0.00587	1	03/29/2018 21:47	WG1091141
n-Butylbenzene	U			0.000303	0.00117	1	03/29/2018 21:47	WG1091141
sec-Butylbenzene	U			0.000236	0.00117	1	03/29/2018 21:47	WG1091141
tert-Butylbenzene	U			0.000242	0.00117	1	03/29/2018 21:47	WG1091141
Carbon disulfide	0.00182	J		0.000260	0.00117	1	03/29/2018 21:47	WG1091141
Carbon tetrachloride	U	UJ		0.000385	0.00117	1	03/29/2018 21:47	WG1091141
Chlorobenzene	U			0.000249	0.00117	1	03/29/2018 21:47	WG1091141
Chlorodibromomethane	U			0.000438	0.00117	1	03/29/2018 21:47	WG1091141
Chloroethane	U			0.00111	0.00587	1	03/29/2018 21:47	WG1091141
Chloroform	U			0.000269	0.00587	1	03/29/2018 21:47	WG1091141
Chloromethane	U			0.000440	0.00294	1	03/29/2018 21:47	WG1091141
2-Chlorotoluene	U			0.000354	0.00117	1	03/29/2018 21:47	WG1091141
4-Chlorotoluene	U			0.000282	0.00117	1	03/29/2018 21:47	WG1091141
1,2-Dibromo-3-Chloropropane	U			0.00123	0.00587	1	03/29/2018 21:47	WG1091141
1,2-Dibromoethane	U			0.000403	0.00117	1	03/29/2018 21:47	WG1091141
Dibromomethane	U			0.000449	0.00117	1	03/29/2018 21:47	WG1091141
1,2-Dichlorobenzene	U			0.000358	0.00117	1	03/29/2018 21:47	WG1091141
1,3-Dichlorobenzene	U			0.000281	0.00117	1	03/29/2018 21:47	WG1091141
1,4-Dichlorobenzene	U			0.000265	0.00117	1	03/29/2018 21:47	WG1091141
Dichlorodifluoromethane	U		J0	0.000837	0.00587	1	03/29/2018 21:47	WG1091141
1,1-Dichloroethane	U			0.000234	0.00117	1	03/29/2018 21:47	WG1091141
1,2-Dichloroethane	U			0.000311	0.00117	1	03/29/2018 21:47	WG1091141
1,1-Dichloroethene	0.000366	J	J	0.000356	0.00117	1	03/29/2018 21:47	WG1091141
cis-1,2-Dichloroethene	0.0368			0.000276	0.00117	1	03/29/2018 21:47	WG1091141
trans-1,2-Dichloroethene	0.00397			0.000310	0.00117	1	03/29/2018 21:47	WG1091141
1,2-Dichloropropane	U	UJ		0.000421	0.00117	1	03/29/2018 21:47	WG1091141
1,1-Dichloropropene	U			0.000372	0.00117	1	03/29/2018 21:47	WG1091141
1,3-Dichloropropane	U			0.000243	0.00117	1	03/29/2018 21:47	WG1091141
cis-1,3-Dichloropropene	U			0.000308	0.00117	1	03/29/2018 21:47	WG1091141
trans-1,3-Dichloropropene	U			0.000314	0.00117	1	03/29/2018 21:47	WG1091141
trans-1,4-Dichloro-2-butene	U			0.000914	0.00294	1	03/29/2018 21:47	WG1091141
2,2-Dichloropropane	U			0.000328	0.00117	1	03/29/2018 21:47	WG1091141
Di-isopropyl ether	U			0.000291	0.00117	1	03/29/2018 21:47	WG1091141
Ethylbenzene	U			0.000349	0.00117	1	03/29/2018 21:47	WG1091141
Hexachloro-1,3-butadiene	U			0.000402	0.00117	1	03/29/2018 21:47	WG1091141
2-Hexanone	U			0.00161	0.0117	1	03/29/2018 21:47	WG1091141
n-Hexane	U			0.000341	0.0117	1	03/29/2018 21:47	WG1091141
Iodomethane	U			0.00297	0.0117	1	03/29/2018 21:47	WG1091141
Isopropylbenzene	U			0.000285	0.00117	1	03/29/2018 21:47	WG1091141
p-Isopropyltoluene	U			0.000240	0.00117	1	03/29/2018 21:47	WG1091141
2-Butanone (MEK)	U			0.00550	0.0117	1	03/29/2018 21:47	WG1091141
Methylene Chloride	U			0.00117	0.00587	1	03/29/2018 21:47	WG1091141
4-Methyl-2-pentanone (MIBK)	U			0.00221	0.0117	1	03/29/2018 21:47	WG1091141

JL 4/17/18

IW-47B-50

SAMPLE RESULTS - 07

L980719

Collected date/time: 03/22/18 13:31

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U	UJ	0.000249	0.00117	1	03/29/2018 21:47	WG1091141
Naphthalene	U	↓	0.00117	0.00587	1	03/29/2018 21:47	WG1091141
n-Propylbenzene	U	↓	0.000242	0.00117	1	03/29/2018 21:47	WG1091141
Styrene	U	↓	0.000275	0.00117	1	03/29/2018 21:47	WG1091141
1,1,1,2-Tetrachloroethane	U	↓	0.000310	0.00117	1	03/29/2018 21:47	WG1091141
1,1,2,2-Tetrachloroethane	U	↓	0.000429	0.00117	1	03/29/2018 21:47	WG1091141
1,1,2-Trichlorotrifluoroethane	U	↓	0.000429	0.00117	1	03/29/2018 21:47	WG1091141
Tetrachloroethene	0.0102	J	0.000324	0.00117	1	03/29/2018 21:47	WG1091141
Toluene	U	UJ	0.000510	0.00587	1	03/29/2018 21:47	WG1091141
1,2,3-Trichlorobenzene	U	↓	0.000359	0.00117	1	03/29/2018 21:47	WG1091141
1,2,4-Trichlorobenzene	U	↓	0.000456	0.00117	1	03/29/2018 21:47	WG1091141
1,1,1-Trichloroethane	U	↓	0.000336	0.00117	1	03/29/2018 21:47	WG1091141
1,1,2-Trichloroethane	U	↓	0.000325	0.00117	1	03/29/2018 21:47	WG1091141
Trichloroethene	0.00206	J	0.000328	0.00117	1	03/29/2018 21:47	WG1091141
Trichlorofluoromethane	U	UJ	0.000449	0.00587	1	03/29/2018 21:47	WG1091141
1,2,3-Trichloropropane	U	↓	0.000870	0.00294	1	03/29/2018 21:47	WG1091141
1,2,4-Trimethylbenzene	U	↓	0.000248	0.00117	1	03/29/2018 21:47	WG1091141
1,2,3-Trimethylbenzene	U	↓	0.000337	0.00117	1	03/29/2018 21:47	WG1091141
1,3,5-Trimethylbenzene	U	↓	0.000312	0.00117	1	03/29/2018 21:47	WG1091141
Vinyl acetate	U	↓	0.00281	0.0117	1	03/29/2018 21:47	WG1091141
Vinyl chloride	0.00131	J	0.000342	0.00117	1	03/29/2018 21:47	WG1091141
Xylenes, Total	U	UJ	0.000820	0.00352	1	03/29/2018 21:47	WG1091141
(S) Toluene-d8	*98.7*			*80.0-120*		*03/29/2018 21:47*	WG1091141
(S) Dibromofluoromethane	*105*			*74.0-131*		*03/29/2018 21:47*	WG1091141
(S) 4-Bromofluorobenzene	*104*			*64.0-132*		*03/29/2018 21:47*	WG1091141

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

AC 4/17/18

IW-47B-55

Collected date/time: 03/22/18 13:43

SAMPLE RESULTS - 08

L980719

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	92.5		1	03/30/2018 15:16	WG1091656

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U	UJ	0.0108	0.0540	1	03/30/2018 02:02	WG1091310
Acrylonitrile	U		0.00193	0.0108	1	03/30/2018 02:02	WG1091310
Benzene	U		0.000292	0.00108	1	03/30/2018 02:02	WG1091310
Bromobenzene	U		0.000307	0.00108	1	03/30/2018 02:02	WG1091310
Bromodichloromethane	U		0.000275	0.00108	1	03/30/2018 02:02	WG1091310
Bromochloromethane	U		0.000422	0.00540	1	03/30/2018 02:02	WG1091310
Bromoform	U		0.000458	0.00108	1	03/30/2018 02:02	WG1091310
Bromomethane	U		0.00145	0.00540	1	03/30/2018 02:02	WG1091310
n-Butylbenzene	U		0.000279	0.00108	1	03/30/2018 02:02	WG1091310
sec-Butylbenzene	U		0.000217	0.00108	1	03/30/2018 02:02	WG1091310
tert-Butylbenzene	U		0.000223	0.00108	1	03/30/2018 02:02	WG1091310
Carbon disulfide	0.00303	J	0.000239	0.00108	1	03/30/2018 02:02	WG1091310
Carbon tetrachloride	U	UJ	0.000355	0.00108	1	03/30/2018 02:02	WG1091310
Chlorobenzene	U		0.000229	0.00108	1	03/30/2018 02:02	WG1091310
Chlorodibromomethane	U		0.000403	0.00108	1	03/30/2018 02:02	WG1091310
Chloroethane	U		0.00102	0.00540	1	03/30/2018 02:02	WG1091310
Chloroform	U		0.000248	0.00540	1	03/30/2018 02:02	WG1091310
Chloromethane	U		0.000405	0.00270	1	03/30/2018 02:02	WG1091310
2-Chlorotoluene	U		0.000325	0.00108	1	03/30/2018 02:02	WG1091310
4-Chlorotoluene	U		0.000259	0.00108	1	03/30/2018 02:02	WG1091310
1,2-Dibromo-3-Chloropropane	U		0.00113	0.00540	1	03/30/2018 02:02	WG1091310
1,2-Dibromoethane	U		0.000371	0.00108	1	03/30/2018 02:02	WG1091310
Dibromomethane	U		0.000413	0.00108	1	03/30/2018 02:02	WG1091310
1,2-Dichlorobenzene	U		0.000330	0.00108	1	03/30/2018 02:02	WG1091310
1,3-Dichlorobenzene	U		0.000258	0.00108	1	03/30/2018 02:02	WG1091310
1,4-Dichlorobenzene	U		0.000244	0.00108	1	03/30/2018 02:02	WG1091310
Dichlorodifluoromethane	U		0.000771	0.00540	1	03/30/2018 02:02	WG1091310
1,1-Dichloroethane	U		0.000215	0.00108	1	03/30/2018 02:02	WG1091310
1,2-Dichloroethane	U		0.000286	0.00108	1	03/30/2018 02:02	WG1091310
1,1-Dichloroethene	0.00579	J	0.000328	0.00108	1	03/30/2018 02:02	WG1091310
cis-1,2-Dichloroethene	3.47		0.0254	0.108	100	04/01/2018 16:47	WG1091310
trans-1,2-Dichloroethene	0.00213		0.000285	0.00108	1	03/30/2018 02:02	WG1091310
1,2-Dichloropropane	U	UJ	0.000387	0.00108	1	03/30/2018 02:02	WG1091310
1,1-Dichloropropene	U		0.000343	0.00108	1	03/30/2018 02:02	WG1091310
1,3-Dichloropropane	U		0.000224	0.00108	1	03/30/2018 02:02	WG1091310
cis-1,3-Dichloropropene	U		0.000283	0.00108	1	03/30/2018 02:02	WG1091310
trans-1,3-Dichloropropene	U		0.000289	0.00108	1	03/30/2018 02:02	WG1091310
trans-1,4-Dichloro-2-butene	U		0.000841	0.00270	1	03/30/2018 02:02	WG1091310
2,2-Dichloropropane	U		0.000302	0.00108	1	03/30/2018 02:02	WG1091310
Di-isopropyl ether	U		0.000268	0.00108	1	03/30/2018 02:02	WG1091310
Ethylbenzene	U		0.000321	0.00108	1	03/30/2018 02:02	WG1091310
Hexachloro-1,3-butadiene	U		0.000370	0.00108	1	03/30/2018 02:02	WG1091310
2-Hexanone	U		0.00148	0.0108	1	03/30/2018 02:02	WG1091310
n-Hexane	U		0.000313	0.0108	1	03/30/2018 02:02	WG1091310
Iodomethane	U		0.00273	0.0108	1	03/30/2018 02:02	WG1091310
Isopropylbenzene	U		0.000263	0.00108	1	03/30/2018 02:02	WG1091310
p-Isopropyltoluene	U		0.000221	0.00108	1	03/30/2018 02:02	WG1091310
2-Butanone (MEK)	U		0.00506	0.0108	1	03/30/2018 02:02	WG1091310
Methylene Chloride	U		0.00108	0.00540	1	03/30/2018 02:02	WG1091310
4-Methyl-2-pentanone (MIBK)	U		0.00203	0.0108	1	03/30/2018 02:02	WG1091310

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IW-47B-55
Collected date/time: 03/22/18 13:43

SAMPLE RESULTS - 08

L980719

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U	UJ	0.000229	0.00108	1	03/30/2018 02:02	WG1091310
Naphthalene	U	↓	0.00108	0.00540	1	03/30/2018 02:02	WG1091310
n-Propylbenzene	U		0.000223	0.00108	1	03/30/2018 02:02	WG1091310
Styrene	U		0.000253	0.00108	1	03/30/2018 02:02	WG1091310
1,1,1,2-Tetrachloroethane	U		0.000285	0.00108	1	03/30/2018 02:02	WG1091310
1,1,2,2-Tetrachloroethane	U		0.000395	0.00108	1	03/30/2018 02:02	WG1091310
1,1,2-Trichlorotrifluoroethane	U		0.000395	0.00108	1	03/30/2018 02:02	WG1091310
Tetrachloroethene	0.0158	J	0.000298	0.00108	1	03/30/2018 02:02	WG1091310
Toluene	U	UJ	0.000469	0.00540	1	03/30/2018 02:02	WG1091310
1,2,3-Trichlorobenzene	U	↓	0.000331	0.00108	1	03/30/2018 02:02	WG1091310
1,2,4-Trichlorobenzene	U		0.000419	0.00108	1	03/30/2018 02:02	WG1091310
1,1,1-Trichloroethane	U		0.000309	0.00108	1	03/30/2018 02:02	WG1091310
1,1,2-Trichloroethane	U		0.000299	0.00108	1	03/30/2018 02:02	WG1091310
Trichloroethene	0.00209	J	0.000302	0.00108	1	03/30/2018 02:02	WG1091310
Trichlorofluoromethane	U	UJ	0.000413	0.00540	1	03/30/2018 02:02	WG1091310
1,2,3-Trichloropropane	U	↓	0.000801	0.00270	1	03/30/2018 02:02	WG1091310
1,2,4-Trimethylbenzene	U		0.000228	0.00108	1	03/30/2018 02:02	WG1091310
1,2,3-Trimethylbenzene	U		0.000310	0.00108	1	03/30/2018 02:02	WG1091310
1,3,5-Trimethylbenzene	U		0.000288	0.00108	1	03/30/2018 02:02	WG1091310
Vinyl acetate	U		0.00258	0.0108	1	03/30/2018 02:02	WG1091310
Vinyl chloride	0.105	J	0.000315	0.00108	1	03/30/2018 02:02	WG1091310
Xylenes, Total	U	UJ	0.000754	0.00324	1	03/30/2018 02:02	WG1091310
(S) Toluene-d8	*105*			*80.0-120*		*04/01/2018 16:47*	WG1091310
(S) Toluene-d8	*100*			*80.0-120*		*03/30/2018 02:02*	WG1091310
(S) Dibromofluoromethane	*105*			*74.0-131*		*03/30/2018 02:02*	WG1091310
(S) Dibromofluoromethane	*97.8*			*74.0-131*		*04/01/2018 16:47*	WG1091310
(S) 4-Bromofluorobenzene	*105*			*64.0-132*		*03/30/2018 02:02*	WG1091310
(S) 4-Bromofluorobenzene	*100*			*64.0-132*		*04/01/2018 16:47*	WG1091310

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Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	87.5		1	03/30/2018 17:11	WG1091657

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.0335	J J	0.0114	0.0572	1	03/30/2018 02:23	WG1091310
Acrylonitrile	U	UJ	0.00205	0.0114	1	03/30/2018 02:23	WG1091310
Benzene	U		0.000309	0.00114	1	03/30/2018 02:23	WG1091310
Bromobenzene	U		0.000325	0.00114	1	03/30/2018 02:23	WG1091310
Bromodichloromethane	U		0.000290	0.00114	1	03/30/2018 02:23	WG1091310
Bromochloromethane	U		0.000446	0.00572	1	03/30/2018 02:23	WG1091310
Bromoform	U		0.000485	0.00114	1	03/30/2018 02:23	WG1091310
Bromomethane	U		0.00153	0.00572	1	03/30/2018 02:23	WG1091310
n-Butylbenzene	U		0.000295	0.00114	1	03/30/2018 02:23	WG1091310
sec-Butylbenzene	U		0.000230	0.00114	1	03/30/2018 02:23	WG1091310
tert-Butylbenzene	U		0.000236	0.00114	1	03/30/2018 02:23	WG1091310
Carbon disulfide	0.00132	J	0.000253	0.00114	1	03/30/2018 02:23	WG1091310
Carbon tetrachloride	U	UJ	0.000375	0.00114	1	03/30/2018 02:23	WG1091310
Chlorobenzene	U		0.000242	0.00114	1	03/30/2018 02:23	WG1091310
Chlorodibromomethane	U		0.000426	0.00114	1	03/30/2018 02:23	WG1091310
Chloroethane	U		0.00108	0.00572	1	03/30/2018 02:23	WG1091310
Chloroform	U		0.000262	0.00572	1	03/30/2018 02:23	WG1091310
Chloromethane	U		0.000429	0.00286	1	03/30/2018 02:23	WG1091310
2-Chlorotoluene	U		0.000344	0.00114	1	03/30/2018 02:23	WG1091310
4-Chlorotoluene	U		0.000274	0.00114	1	03/30/2018 02:23	WG1091310
1,2-Dibromo-3-Chloropropane	U		0.00120	0.00572	1	03/30/2018 02:23	WG1091310
1,2-Dibromoethane	U		0.000392	0.00114	1	03/30/2018 02:23	WG1091310
Dibromomethane	U		0.000437	0.00114	1	03/30/2018 02:23	WG1091310
1,2-Dichlorobenzene	U		0.000349	0.00114	1	03/30/2018 02:23	WG1091310
1,3-Dichlorobenzene	U		0.000273	0.00114	1	03/30/2018 02:23	WG1091310
1,4-Dichlorobenzene	U		0.000258	0.00114	1	03/30/2018 02:23	WG1091310
Dichlorodifluoromethane	U		0.000815	0.00572	1	03/30/2018 02:23	WG1091310
1,1-Dichloroethane	U		0.000228	0.00114	1	03/30/2018 02:23	WG1091310
1,2-Dichloroethane	U		0.000303	0.00114	1	03/30/2018 02:23	WG1091310
1,1-Dichloroethene	0.00230	J	0.000346	0.00114	1	03/30/2018 02:23	WG1091310
cis-1,2-Dichloroethene	0.348		0.0135	0.0572	50	04/01/2018 17:08	WG1091310
trans-1,2-Dichloroethene	0.000867	J	0.000302	0.00114	1	03/30/2018 02:23	WG1091310
1,2-Dichloropropane	U	UJ	0.000409	0.00114	1	03/30/2018 02:23	WG1091310
1,1-Dichloropropene	U		0.000362	0.00114	1	03/30/2018 02:23	WG1091310
1,3-Dichloropropane	U		0.000237	0.00114	1	03/30/2018 02:23	WG1091310
cis-1,3-Dichloropropene	U		0.000300	0.00114	1	03/30/2018 02:23	WG1091310
trans-1,3-Dichloropropene	U		0.000305	0.00114	1	03/30/2018 02:23	WG1091310
trans-1,4-Dichloro-2-butene	U		0.000890	0.00286	1	03/30/2018 02:23	WG1091310
2,2-Dichloropropane	U		0.000319	0.00114	1	03/30/2018 02:23	WG1091310
Di-isopropyl ether	U		0.000284	0.00114	1	03/30/2018 02:23	WG1091310
Ethylbenzene	U		0.000340	0.00114	1	03/30/2018 02:23	WG1091310
Hexachloro-1,3-butadiene	U		0.000391	0.00114	1	03/30/2018 02:23	WG1091310
2-Hexanone	U		0.00157	0.0114	1	03/30/2018 02:23	WG1091310
n-Hexane	U		0.000332	0.0114	1	03/30/2018 02:23	WG1091310
Iodomethane	U		0.00289	0.0114	1	03/30/2018 02:23	WG1091310
Isopropylbenzene	U		0.000278	0.00114	1	03/30/2018 02:23	WG1091310
p-Isopropyltoluene	U		0.000233	0.00114	1	03/30/2018 02:23	WG1091310
2-Butanone (MEK)	U		0.00535	0.0114	1	03/30/2018 02:23	WG1091310
Methylene Chloride	U		0.00114	0.00572	1	03/30/2018 02:23	WG1091310
4-Methyl-2-pentanone (MIBK)	U		0.00215	0.0114	1	03/30/2018 02:23	WG1091310

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U	UJ	0.000242	0.00114	1	03/30/2018 02:23	WG1091310
Naphthalene	U		0.00114	0.00572	1	03/30/2018 02:23	WG1091310
n-Propylbenzene	U		0.000236	0.00114	1	03/30/2018 02:23	WG1091310
Styrene	U		0.000268	0.00114	1	03/30/2018 02:23	WG1091310
1,1,1,2-Tetrachloroethane	U		0.000302	0.00114	1	03/30/2018 02:23	WG1091310
1,1,2,2-Tetrachloroethane	U		0.000417	0.00114	1	03/30/2018 02:23	WG1091310
1,1,2-Trichlorotrifluoroethane	U		0.000417	0.00114	1	03/30/2018 02:23	WG1091310
Tetrachloroethene	0.0204	J	0.000316	0.00114	1	03/30/2018 02:23	WG1091310
Toluene	U	UJ	0.000496	0.00572	1	03/30/2018 02:23	WG1091310
1,2,3-Trichlorobenzene	U		0.000350	0.00114	1	03/30/2018 02:23	WG1091310
1,2,4-Trichlorobenzene	U		0.000444	0.00114	1	03/30/2018 02:23	WG1091310
1,1,1-Trichloroethane	U		0.000327	0.00114	1	03/30/2018 02:23	WG1091310
1,1,2-Trichloroethane	U		0.000317	0.00114	1	03/30/2018 02:23	WG1091310
Trichloroethene	0.00194	J	0.000319	0.00114	1	03/30/2018 02:23	WG1091310
Trichlorofluoromethane	U	UJ	0.000437	0.00572	1	03/30/2018 02:23	WG1091310
1,2,3-Trichloropropane	U		0.000847	0.00286	1	03/30/2018 02:23	WG1091310
1,2,4-Trimethylbenzene	U		0.000241	0.00114	1	03/30/2018 02:23	WG1091310
1,2,3-Trimethylbenzene	U		0.000328	0.00114	1	03/30/2018 02:23	WG1091310
1,3,5-Trimethylbenzene	U		0.000304	0.00114	1	03/30/2018 02:23	WG1091310
Vinyl acetate	U		0.00273	0.0114	1	03/30/2018 02:23	WG1091310
Vinyl chloride	0.0200	J	0.000333	0.00114	1	03/30/2018 02:23	WG1091310
Xylenes, Total	U	UJ	0.000798	0.00343	1	03/30/2018 02:23	WG1091310
(S) Toluene-d8	*103*			*80.0-120*		*04/01/2018 17:08*	WG1091310
(S) Toluene-d8	*98.7*			*80.0-120*		*03/30/2018 02:23*	WG1091310
(S) Dibromofluoromethane	*106*			*74.0-131*		*03/30/2018 02:23*	WG1091310
(S) Dibromofluoromethane	*96.1*			*74.0-131*		*04/01/2018 17:08*	WG1091310
(S) 4-Bromofluorobenzene	*100*			*64.0-132*		*04/01/2018 17:08*	WG1091310
(S) 4-Bromofluorobenzene	*108*			*64.0-132*		*03/30/2018 02:23*	WG1091310

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Collected date/time: 03/22/18 14:17

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Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	88.6		1	03/30/2018 17:11	WG1091657

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.0282	J J	0.0113	0.0564	1	03/30/2018 02:44	WG1091310
Acrylonitrile	U	UJ	0.00202	0.0113	1	03/30/2018 02:44	WG1091310
Benzene	U		0.000305	0.00113	1	03/30/2018 02:44	WG1091310
Bromobenzene	U		0.000321	0.00113	1	03/30/2018 02:44	WG1091310
Bromodichloromethane	U		0.000287	0.00113	1	03/30/2018 02:44	WG1091310
Bromochloromethane	U		0.000440	0.00564	1	03/30/2018 02:44	WG1091310
Bromoform	U		0.000479	0.00113	1	03/30/2018 02:44	WG1091310
Bromomethane	U		0.00151	0.00564	1	03/30/2018 02:44	WG1091310
n-Butylbenzene	U		0.000291	0.00113	1	03/30/2018 02:44	WG1091310
sec-Butylbenzene	U		0.000227	0.00113	1	03/30/2018 02:44	WG1091310
tert-Butylbenzene	U		0.000233	0.00113	1	03/30/2018 02:44	WG1091310
Carbon disulfide	0.00188	J	0.000249	0.00113	1	03/30/2018 02:44	WG1091310
Carbon tetrachloride	U	UJ	0.000370	0.00113	1	03/30/2018 02:44	WG1091310
Chlorobenzene	U		0.000239	0.00113	1	03/30/2018 02:44	WG1091310
Chlorodibromomethane	U		0.000421	0.00113	1	03/30/2018 02:44	WG1091310
Chloroethane	U		0.00107	0.00564	1	03/30/2018 02:44	WG1091310
Chloroform	U		0.000259	0.00564	1	03/30/2018 02:44	WG1091310
Chloromethane	U		0.000423	0.00282	1	03/30/2018 02:44	WG1091310
2-Chlorotoluene	U		0.000340	0.00113	1	03/30/2018 02:44	WG1091310
4-Chlorotoluene	U		0.000271	0.00113	1	03/30/2018 02:44	WG1091310
1,2-Dibromo-3-Chloropropane	U		0.00119	0.00564	1	03/30/2018 02:44	WG1091310
1,2-Dibromoethane	U		0.000387	0.00113	1	03/30/2018 02:44	WG1091310
Dibromomethane	U		0.000431	0.00113	1	03/30/2018 02:44	WG1091310
1,2-Dichlorobenzene	U		0.000344	0.00113	1	03/30/2018 02:44	WG1091310
1,3-Dichlorobenzene	U		0.000270	0.00113	1	03/30/2018 02:44	WG1091310
1,4-Dichlorobenzene	U		0.000255	0.00113	1	03/30/2018 02:44	WG1091310
Dichlorodifluoromethane	U		0.000805	0.00564	1	03/30/2018 02:44	WG1091310
1,1-Dichloroethane	U		0.000225	0.00113	1	03/30/2018 02:44	WG1091310
1,2-Dichloroethane	U		0.000299	0.00113	1	03/30/2018 02:44	WG1091310
1,1-Dichloroethene	0.000944	J J	0.000342	0.00113	1	03/30/2018 02:44	WG1091310
cis-1,2-Dichloroethene	0.119		0.000265	0.00113	1	03/30/2018 02:44	WG1091310
trans-1,2-Dichloroethene	0.000369	✓ J	0.000298	0.00113	1	03/30/2018 02:44	WG1091310
1,2-Dichloropropane	U	UJ	0.000404	0.00113	1	03/30/2018 02:44	WG1091310
1,1-Dichloropropene	U		0.000358	0.00113	1	03/30/2018 02:44	WG1091310
1,3-Dichloropropane	U		0.000234	0.00113	1	03/30/2018 02:44	WG1091310
cis-1,3-Dichloropropene	U		0.000296	0.00113	1	03/30/2018 02:44	WG1091310
trans-1,3-Dichloropropene	U		0.000301	0.00113	1	03/30/2018 02:44	WG1091310
trans-1,4-Dichloro-2-butene	U		0.000878	0.00282	1	03/30/2018 02:44	WG1091310
2,2-Dichloropropane	U		0.000315	0.00113	1	03/30/2018 02:44	WG1091310
Di-isopropyl ether	U		0.000280	0.00113	1	03/30/2018 02:44	WG1091310
Ethylbenzene	U		0.000335	0.00113	1	03/30/2018 02:44	WG1091310
Hexachloro-1,3-butadiene	U		0.000386	0.00113	1	03/30/2018 02:44	WG1091310
2-Hexanone	U		0.00155	0.0113	1	03/30/2018 02:44	WG1091310
n-Hexane	U		0.000327	0.0113	1	03/30/2018 02:44	WG1091310
Iodomethane	U		0.00286	0.0113	1	03/30/2018 02:44	WG1091310
Isopropylbenzene	U		0.000274	0.00113	1	03/30/2018 02:44	WG1091310
p-Isopropyltoluene	U		0.000230	0.00113	1	03/30/2018 02:44	WG1091310
2-Butanone (MEK)	U		0.00528	0.0113	1	03/30/2018 02:44	WG1091310
Methylene Chloride	U		0.00113	0.00564	1	03/30/2018 02:44	WG1091310
4-Methyl-2-pentanone (MIBK)	U		0.00212	0.0113	1	03/30/2018 02:44	WG1091310

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Collected date/time: 03/22/18 14:17

SAMPLE RESULTS - 10

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U	UJ	0.000239	0.00113	1	03/30/2018 02:44	WG1091310
Naphthalene	U	↓	0.00113	0.00564	1	03/30/2018 02:44	WG1091310
n-Propylbenzene	U	↓	0.000233	0.00113	1	03/30/2018 02:44	WG1091310
Styrene	U	↓	0.000264	0.00113	1	03/30/2018 02:44	WG1091310
1,1,1,2-Tetrachloroethane	U	↓	0.000298	0.00113	1	03/30/2018 02:44	WG1091310
1,1,2,2-Tetrachloroethane	U	↓	0.000412	0.00113	1	03/30/2018 02:44	WG1091310
1,1,2-Trichlorotrifluoroethane	U	↓	0.000412	0.00113	1	03/30/2018 02:44	WG1091310
Tetrachloroethene	0.0244	J	0.000312	0.00113	1	03/30/2018 02:44	WG1091310
Toluene	U	UJ	0.000490	0.00564	1	03/30/2018 02:44	WG1091310
1,2,3-Trichlorobenzene	U	↓	0.000345	0.00113	1	03/30/2018 02:44	WG1091310
1,2,4-Trichlorobenzene	U	↓	0.000438	0.00113	1	03/30/2018 02:44	WG1091310
1,1,1-Trichloroethane	U	↓	0.000323	0.00113	1	03/30/2018 02:44	WG1091310
1,1,2-Trichloroethane	U	↓	0.000313	0.00113	1	03/30/2018 02:44	WG1091310
Trichloroethene	0.00115	J	0.000315	0.00113	1	03/30/2018 02:44	WG1091310
Trichlorofluoromethane	U	UJ	0.000431	0.00564	1	03/30/2018 02:44	WG1091310
1,2,3-Trichloropropane	U	↓	0.000836	0.00282	1	03/30/2018 02:44	WG1091310
1,2,4-Trimethylbenzene	U	↓	0.000238	0.00113	1	03/30/2018 02:44	WG1091310
1,2,3-Trimethylbenzene	U	↓	0.000324	0.00113	1	03/30/2018 02:44	WG1091310
1,3,5-Trimethylbenzene	U	↓	0.000300	0.00113	1	03/30/2018 02:44	WG1091310
Vinyl acetate	U	↓	0.00270	0.0113	1	03/30/2018 02:44	WG1091310
Vinyl chloride	0.00491	J	0.000328	0.00113	1	03/30/2018 02:44	WG1091310
Xylenes, Total	U	UJ	0.000788	0.00339	1	03/30/2018 02:44	WG1091310
(S) Toluene-d8	*98.4*			*80.0-120*		*03/30/2018 02:44*	WG1091310
(S) Dibromofluoromethane	*107*			*74.0-131*		*03/30/2018 02:44*	WG1091310
(S) 4-Bromofluorobenzene	*106*			*64.0-132*		*03/30/2018 02:44*	WG1091310

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Collected date/time: 03/22/18 14:29

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Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	89.6		1	03/30/2018 17:11	WG1091657

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.0175	J J	0.0112	0.0558	1	03/30/2018 03:05	WG1091310
Acrylonitrile	U	UJ	0.00200	0.0112	1	03/30/2018 03:05	WG1091310
Benzene	U		0.000301	0.00112	1	03/30/2018 03:05	WG1091310
Bromobenzene	U		0.000317	0.00112	1	03/30/2018 03:05	WG1091310
Bromodichloromethane	U		0.000284	0.00112	1	03/30/2018 03:05	WG1091310
Bromochloromethane	U		0.000435	0.00558	1	03/30/2018 03:05	WG1091310
Bromoform	U		0.000473	0.00112	1	03/30/2018 03:05	WG1091310
Bromomethane	U		0.00150	0.00558	1	03/30/2018 03:05	WG1091310
n-Butylbenzene	U		0.000288	0.00112	1	03/30/2018 03:05	WG1091310
sec-Butylbenzene	U		0.000224	0.00112	1	03/30/2018 03:05	WG1091310
tert-Butylbenzene	U		0.000230	0.00112	1	03/30/2018 03:05	WG1091310
Carbon disulfide	0.00163	J	0.000247	0.00112	1	03/30/2018 03:05	WG1091310
Carbon tetrachloride	U	UJ	0.000366	0.00112	1	03/30/2018 03:05	WG1091310
Chlorobenzene	U		0.000237	0.00112	1	03/30/2018 03:05	WG1091310
Chlorodibromomethane	U		0.000416	0.00112	1	03/30/2018 03:05	WG1091310
Chloroethane	U		0.00106	0.00558	1	03/30/2018 03:05	WG1091310
Chloroform	U		0.000256	0.00558	1	03/30/2018 03:05	WG1091310
Chloromethane	U		0.000419	0.00279	1	03/30/2018 03:05	WG1091310
2-Chlorotoluene	U		0.000336	0.00112	1	03/30/2018 03:05	WG1091310
4-Chlorotoluene	U		0.000268	0.00112	1	03/30/2018 03:05	WG1091310
1,2-Dibromo-3-Chloropropane	U		0.00117	0.00558	1	03/30/2018 03:05	WG1091310
1,2-Dibromoethane	U		0.000383	0.00112	1	03/30/2018 03:05	WG1091310
Dibromomethane	U		0.000426	0.00112	1	03/30/2018 03:05	WG1091310
1,2-Dichlorobenzene	U		0.000340	0.00112	1	03/30/2018 03:05	WG1091310
1,3-Dichlorobenzene	U		0.000267	0.00112	1	03/30/2018 03:05	WG1091310
1,4-Dichlorobenzene	U		0.000252	0.00112	1	03/30/2018 03:05	WG1091310
Dichlorodifluoromethane	U		0.000796	0.00558	1	03/30/2018 03:05	WG1091310
1,1-Dichloroethane	U		0.000222	0.00112	1	03/30/2018 03:05	WG1091310
1,2-Dichloroethane	U		0.000296	0.00112	1	03/30/2018 03:05	WG1091310
1,1-Dichloroethene	0.0164	J	0.000338	0.00112	1	03/30/2018 03:05	WG1091310
cis-1,2-Dichloroethene	2.21	✓	0.0525	0.223	200	04/01/2018 17:30	WG1091310
trans-1,2-Dichloroethene	0.00244		0.000295	0.00112	1	03/30/2018 03:05	WG1091310
1,2-Dichloropropane	U	UJ	0.000400	0.00112	1	03/30/2018 03:05	WG1091310
1,1-Dichloropropene	U		0.000354	0.00112	1	03/30/2018 03:05	WG1091310
1,3-Dichloropropane	U		0.000231	0.00112	1	03/30/2018 03:05	WG1091310
cis-1,3-Dichloropropene	U		0.000292	0.00112	1	03/30/2018 03:05	WG1091310
trans-1,3-Dichloropropene	U		0.000298	0.00112	1	03/30/2018 03:05	WG1091310
trans-1,4-Dichloro-2-butene	U		0.000869	0.00279	1	03/30/2018 03:05	WG1091310
2,2-Dichloropropane	U		0.000311	0.00112	1	03/30/2018 03:05	WG1091310
Di-isopropyl ether	U		0.000277	0.00112	1	03/30/2018 03:05	WG1091310
Ethylbenzene	U		0.000332	0.00112	1	03/30/2018 03:05	WG1091310
Hexachloro-1,3-butadiene	U		0.000382	0.00112	1	03/30/2018 03:05	WG1091310
2-Hexanone	U		0.00153	0.0112	1	03/30/2018 03:05	WG1091310
n-Hexane	U		0.000324	0.0112	1	03/30/2018 03:05	WG1091310
Iodomethane	U		0.00282	0.0112	1	03/30/2018 03:05	WG1091310
Isopropylbenzene	U		0.000271	0.00112	1	03/30/2018 03:05	WG1091310
p-Isopropyltoluene	U		0.000228	0.00112	1	03/30/2018 03:05	WG1091310
2-Butanone (MEK)	U		0.00522	0.0112	1	03/30/2018 03:05	WG1091310
Methylene Chloride	U		0.00112	0.00558	1	03/30/2018 03:05	WG1091310
4-Methyl-2-pentanone (MIBK)	U		0.00210	0.0112	1	03/30/2018 03:05	WG1091310

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U	UJ	0.000237	0.00112	1	03/30/2018 03:05	WG1091310
Naphthalene	U		0.00112	0.00558	1	03/30/2018 03:05	WG1091310
n-Propylbenzene	U		0.000230	0.00112	1	03/30/2018 03:05	WG1091310
Styrene	U		0.000261	0.00112	1	03/30/2018 03:05	WG1091310
1,1,1,2-Tetrachloroethane	U		0.000295	0.00112	1	03/30/2018 03:05	WG1091310
1,1,2,2-Tetrachloroethane	U		0.000407	0.00112	1	03/30/2018 03:05	WG1091310
1,1,2-Trichlorotrifluoroethane	U		0.000407	0.00112	1	03/30/2018 03:05	WG1091310
Tetrachloroethene	0.0312	J	0.000308	0.00112	1	03/30/2018 03:05	WG1091310
Toluene	U	UJ	0.000485	0.00558	1	03/30/2018 03:05	WG1091310
1,2,3-Trichlorobenzene	U		0.000342	0.00112	1	03/30/2018 03:05	WG1091310
1,2,4-Trichlorobenzene	U		0.000433	0.00112	1	03/30/2018 03:05	WG1091310
1,1,1-Trichloroethane	U		0.000319	0.00112	1	03/30/2018 03:05	WG1091310
1,1,2-Trichloroethane	U		0.000309	0.00112	1	03/30/2018 03:05	WG1091310
Trichloroethene	0.00264	J	0.000311	0.00112	1	03/30/2018 03:05	WG1091310
Trichlorofluoromethane	U	UJ	0.000426	0.00558	1	03/30/2018 03:05	WG1091310
1,2,3-Trichloropropane	U		0.000827	0.00279	1	03/30/2018 03:05	WG1091310
1,2,4-Trimethylbenzene	U		0.000236	0.00112	1	03/30/2018 03:05	WG1091310
1,2,3-Trimethylbenzene	U		0.000320	0.00112	1	03/30/2018 03:05	WG1091310
1,3,5-Trimethylbenzene	U		0.000297	0.00112	1	03/30/2018 03:05	WG1091310
Vinyl acetate	U		0.00267	0.0112	1	03/30/2018 03:05	WG1091310
Vinyl chloride	0.0168	J	0.000325	0.00112	1	03/30/2018 03:05	WG1091310
Xylenes, Total	U	UJ	0.000779	0.00335	1	03/30/2018 03:05	WG1091310
(S) Toluene-d8	*104*			*80.0-120*		*04/01/2018 17:30*	WG1091310
(S) Toluene-d8	*100*			*80.0-120*		*03/30/2018 03:05*	WG1091310
(S) Dibromofluoromethane	*98.1*			*74.0-131*		*04/01/2018 17:30*	WG1091310
(S) Dibromofluoromethane	*106*			*74.0-131*		*03/30/2018 03:05*	WG1091310
(S) 4-Bromofluorobenzene	*99.8*			*64.0-132*		*04/01/2018 17:30*	WG1091310
(S) 4-Bromofluorobenzene	*109*			*64.0-132*		*03/30/2018 03:05*	WG1091310

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Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	89.9		1	03/30/2018 17:11	WG1091657

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U	UJ	0.0111	0.0556	1	03/30/2018 03:26	WG1091310
Acrylonitrile	U		0.00199	0.0111	1	03/30/2018 03:26	WG1091310
Benzene	U		0.000300	0.00111	1	03/30/2018 03:26	WG1091310
Bromobenzene	U		0.000316	0.00111	1	03/30/2018 03:26	WG1091310
Bromodichloromethane	U		0.000283	0.00111	1	03/30/2018 03:26	WG1091310
Bromochloromethane	U		0.000434	0.00556	1	03/30/2018 03:26	WG1091310
Bromoform	U		0.000472	0.00111	1	03/30/2018 03:26	WG1091310
Bromomethane	U		0.00149	0.00556	1	03/30/2018 03:26	WG1091310
n-Butylbenzene	U		0.000287	0.00111	1	03/30/2018 03:26	WG1091310
sec-Butylbenzene	U		0.000224	0.00111	1	03/30/2018 03:26	WG1091310
tert-Butylbenzene	U		0.000229	0.00111	1	03/30/2018 03:26	WG1091310
Carbon disulfide	0.000338	J J	0.000246	0.00111	1	03/30/2018 03:26	WG1091310
Carbon tetrachloride	U	UJ	0.000365	0.00111	1	03/30/2018 03:26	WG1091310
Chlorobenzene	U		0.000236	0.00111	1	03/30/2018 03:26	WG1091310
Chlorodibromomethane	U		0.000415	0.00111	1	03/30/2018 03:26	WG1091310
Chloroethane	U		0.00105	0.00556	1	03/30/2018 03:26	WG1091310
Chloroform	U		0.000255	0.00556	1	03/30/2018 03:26	WG1091310
Chloromethane	U		0.000417	0.00278	1	03/30/2018 03:26	WG1091310
2-Chlorotoluene	U		0.000335	0.00111	1	03/30/2018 03:26	WG1091310
4-Chlorotoluene	U		0.000267	0.00111	1	03/30/2018 03:26	WG1091310
1,2-Dibromo-3-Chloropropane	U		0.00117	0.00556	1	03/30/2018 03:26	WG1091310
1,2-Dibromoethane	U		0.000382	0.00111	1	03/30/2018 03:26	WG1091310
Dibromomethane	U		0.000425	0.00111	1	03/30/2018 03:26	WG1091310
1,2-Dichlorobenzene	U		0.000339	0.00111	1	03/30/2018 03:26	WG1091310
1,3-Dichlorobenzene	U		0.000266	0.00111	1	03/30/2018 03:26	WG1091310
1,4-Dichlorobenzene	U		0.000252	0.00111	1	03/30/2018 03:26	WG1091310
Dichlorodifluoromethane	U		0.000793	0.00556	1	03/30/2018 03:26	WG1091310
1,1-Dichloroethane	U		0.000221	0.00111	1	03/30/2018 03:26	WG1091310
1,2-Dichloroethane	U		0.000295	0.00111	1	03/30/2018 03:26	WG1091310
1,1-Dichloroethene	U		0.000337	0.00111	1	03/30/2018 03:26	WG1091310
cis-1,2-Dichloroethene	0.00197	J	0.000262	0.00111	1	04/01/2018 14:41	WG1091310
trans-1,2-Dichloroethene	U	UJ	0.000294	0.00111	1	03/30/2018 03:26	WG1091310
1,2-Dichloropropane	U	UJ	0.000398	0.00111	1	03/30/2018 03:26	WG1091310
1,1-Dichloropropene	U		0.000353	0.00111	1	03/30/2018 03:26	WG1091310
1,3-Dichloropropane	U		0.000230	0.00111	1	03/30/2018 03:26	WG1091310
cis-1,3-Dichloropropene	U		0.000292	0.00111	1	03/30/2018 03:26	WG1091310
trans-1,3-Dichloropropene	U		0.000297	0.00111	1	03/30/2018 03:26	WG1091310
trans-1,4-Dichloro-2-butene	U		0.000866	0.00278	1	03/30/2018 03:26	WG1091310
2,2-Dichloropropane	U		0.000310	0.00111	1	03/30/2018 03:26	WG1091310
Di-isopropyl ether	U		0.000276	0.00111	1	03/30/2018 03:26	WG1091310
Ethylbenzene	U		0.000331	0.00111	1	03/30/2018 03:26	WG1091310
Hexachloro-1,3-butadiene	U		0.000381	0.00111	1	03/30/2018 03:26	WG1091310
2-Hexanone	U		0.00152	0.0111	1	03/30/2018 03:26	WG1091310
n-Hexane	U		0.000323	0.0111	1	03/30/2018 03:26	WG1091310
Iodomethane	U		0.00282	0.0111	1	03/30/2018 03:26	WG1091310
Isopropylbenzene	U		0.000270	0.00111	1	03/30/2018 03:26	WG1091310
p-Isopropyltoluene	U		0.000227	0.00111	1	03/30/2018 03:26	WG1091310
2-Butanone (MEK)	U		0.00521	0.0111	1	03/30/2018 03:26	WG1091310
Methylene Chloride	U		0.00111	0.00556	1	03/30/2018 03:26	WG1091310
4-Methyl-2-pentanone (MIBK)	U		0.00209	0.0111	1	03/30/2018 03:26	WG1091310

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IW-47B-75

Collected date/time: 03/22/18 14:47

SAMPLE RESULTS - 12

L980719

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U	UJ	0.000236	0.00111	1	03/30/2018 03:26	WG1091310
Naphthalene	U		0.00111	0.00556	1	03/30/2018 03:26	WG1091310
n-Propylbenzene	U		0.000229	0.00111	1	03/30/2018 03:26	WG1091310
Styrene	U		0.000260	0.00111	1	03/30/2018 03:26	WG1091310
1,1,1,2-Tetrachloroethane	U		0.000294	0.00111	1	03/30/2018 03:26	WG1091310
1,1,2,2-Tetrachloroethane	U		0.000406	0.00111	1	03/30/2018 03:26	WG1091310
1,1,2-Trichlorotrifluoroethane	U		0.000406	0.00111	1	03/30/2018 03:26	WG1091310
Tetrachloroethene	0.000331 J	J	0.000307	0.00111	1	03/30/2018 03:26	WG1091310
Toluene	U	UJ	0.000483	0.00556	1	03/30/2018 03:26	WG1091310
1,2,3-Trichlorobenzene	U		0.000341	0.00111	1	03/30/2018 03:26	WG1091310
1,2,4-Trichlorobenzene	U		0.000432	0.00111	1	03/30/2018 03:26	WG1091310
1,1,1-Trichloroethane	U		0.000318	0.00111	1	03/30/2018 03:26	WG1091310
1,1,2-Trichloroethane	U		0.000308	0.00111	1	03/30/2018 03:26	WG1091310
Trichloroethene	U		0.000310	0.00111	1	03/30/2018 03:26	WG1091310
Trichlorofluoromethane	U		0.000425	0.00556	1	03/30/2018 03:26	WG1091310
1,2,3-Trichloropropane	U		0.000825	0.00278	1	03/30/2018 03:26	WG1091310
1,2,4-Trimethylbenzene	U		0.000235	0.00111	1	03/30/2018 03:26	WG1091310
1,2,3-Trimethylbenzene	U		0.000319	0.00111	1	03/30/2018 03:26	WG1091310
1,3,5-Trimethylbenzene	U		0.000296	0.00111	1	03/30/2018 03:26	WG1091310
Vinyl acetate	U		0.00266	0.0111	1	03/30/2018 03:26	WG1091310
Vinyl chloride	U		0.000324	0.00111	1	03/30/2018 03:26	WG1091310
Xylenes, Total	U		0.000777	0.00334	1	03/30/2018 03:26	WG1091310
(S) Toluene-d8	*99.1*			*80.0-120*		*03/30/2018 03:26*	WG1091310
(S) Toluene-d8	*101*			*80.0-120*		*04/01/2018 14:41*	WG1091310
(S) Dibromofluoromethane	*107*			*74.0-131*		*03/30/2018 03:26*	WG1091310
(S) Dibromofluoromethane	*102*			*74.0-131*		*04/01/2018 14:41*	WG1091310
(S) 4-Bromofluorobenzene	*104*			*64.0-132*		*04/01/2018 14:41*	WG1091310
(S) 4-Bromofluorobenzene	*106*			*64.0-132*		*03/30/2018 03:26*	WG1091310

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Collected date/time: 03/22/18 00:00

SAMPLE RESULTS - 14

L980719

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		1.05	25.0	1	03/28/2018 11:44	WG1090417
Acrylonitrile	U	JO	0.873	5.00	1	03/28/2018 11:44	WG1090417
Benzene	U		0.0896	0.500	1	03/28/2018 11:44	WG1090417
Bromobenzene	U		0.133	0.500	1	03/28/2018 11:44	WG1090417
Bromodichloromethane	U		0.0800	0.500	1	03/28/2018 11:44	WG1090417
Bromochloromethane	U		0.145	0.500	1	03/28/2018 11:44	WG1090417
Bromoform	U		0.186	0.500	1	03/28/2018 11:44	WG1090417
Bromomethane	U		0.157	2.50	1	03/28/2018 11:44	WG1090417
n-Butylbenzene	U		0.143	0.500	1	03/28/2018 11:44	WG1090417
sec-Butylbenzene	U		0.134	0.500	1	03/28/2018 11:44	WG1090417
tert-Butylbenzene	U		0.183	0.500	1	03/28/2018 11:44	WG1090417
Carbon disulfide	U		0.101	0.500	1	03/28/2018 11:44	WG1090417
Carbon tetrachloride	U		0.159	0.500	1	03/28/2018 11:44	WG1090417
Chlorobenzene	U		0.140	0.500	1	03/28/2018 11:44	WG1090417
Chlorodibromomethane	U		0.128	0.500	1	03/28/2018 11:44	WG1090417
Chloroethane	U		0.141	2.50	1	03/28/2018 11:44	WG1090417
Chloroform	U		0.0860	0.500	1	03/28/2018 11:44	WG1090417
Chloromethane	U	JO	0.153	1.25	1	03/28/2018 11:44	WG1090417
2-Chlorotoluene	U		0.111	0.500	1	03/28/2018 11:44	WG1090417
4-Chlorotoluene	U		0.0972	0.500	1	03/28/2018 11:44	WG1090417
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	03/28/2018 11:44	WG1090417
1,2-Dibromoethane	U		0.193	0.500	1	03/28/2018 11:44	WG1090417
Dibromomethane	U		0.117	0.500	1	03/28/2018 11:44	WG1090417
1,2-Dichlorobenzene	U		0.101	0.500	1	03/28/2018 11:44	WG1090417
1,3-Dichlorobenzene	U		0.130	0.500	1	03/28/2018 11:44	WG1090417
1,4-Dichlorobenzene	U		0.121	0.500	1	03/28/2018 11:44	WG1090417
Dichlorodifluoromethane	U		0.127	2.50	1	03/28/2018 11:44	WG1090417
1,1-Dichloroethane	U		0.114	0.500	1	03/28/2018 11:44	WG1090417
1,2-Dichloroethane	U		0.108	0.500	1	03/28/2018 11:44	WG1090417
1,1-Dichloroethene	U		0.188	0.500	1	03/28/2018 11:44	WG1090417
cis-1,2-Dichloroethene	U		0.0933	0.500	1	03/28/2018 11:44	WG1090417
trans-1,2-Dichloroethene	U		0.152	0.500	1	03/28/2018 11:44	WG1090417
1,2-Dichloropropane	U		0.190	0.500	1	03/28/2018 11:44	WG1090417
1,1-Dichloropropene	U		0.128	0.500	1	03/28/2018 11:44	WG1090417
1,3-Dichloropropane	U		0.147	1.00	1	03/28/2018 11:44	WG1090417
cis-1,3-Dichloropropene	U		0.0976	0.500	1	03/28/2018 11:44	WG1090417
trans-1,3-Dichloropropene	U		0.222	0.500	1	03/28/2018 11:44	WG1090417
trans-1,4-Dichloro-2-butene	U	JO	0.257	5.00	1	03/28/2018 11:44	WG1090417
2,2-Dichloropropane	U		0.0929	0.500	1	03/28/2018 11:44	WG1090417
Di-isopropyl ether	U	JO	0.0924	0.500	1	03/28/2018 11:44	WG1090417
Ethylbenzene	U		0.158	0.500	1	03/28/2018 11:44	WG1090417
Hexachloro-1,3-butadiene	U		0.157	1.00	1	03/28/2018 11:44	WG1090417
2-Hexanone	U		0.757	5.00	1	03/28/2018 11:44	WG1090417
n-Hexane	U		0.305	5.00	1	03/28/2018 11:44	WG1090417
Iodomethane	U		0.377	10.0	1	03/28/2018 11:44	WG1090417
Isopropylbenzene	U		0.126	0.500	1	03/28/2018 11:44	WG1090417
p-Isopropyltoluene	U		0.138	0.500	1	03/28/2018 11:44	WG1090417
2-Butanone (MEK)	U	JO	1.28	5.00	1	03/28/2018 11:44	WG1090417
Methylene Chloride	U		1.07	2.50	1	03/28/2018 11:44	WG1090417
4-Methyl-2-pentanone (MIBK)	U	JO	0.823	5.00	1	03/28/2018 11:44	WG1090417
Methyl tert-butyl ether	U		0.102	0.500	1	03/28/2018 11:44	WG1090417
Naphthalene	U		0.174	2.50	1	03/28/2018 11:44	WG1090417
n-Propylbenzene	U		0.162	0.500	1	03/28/2018 11:44	WG1090417
Styrene	U		0.117	0.500	1	03/28/2018 11:44	WG1090417
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	03/28/2018 11:44	WG1090417
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	03/28/2018 11:44	WG1090417

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Collected date/time: 03/22/18 00:00

SAMPLE RESULTS - 14

L980719

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	**Qualifier**	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	**Batch**
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	03/28/2018 11:44	WG1090417
Tetrachloroethene	U		0.199	0.500	1	03/28/2018 11:44	WG1090417
Toluene	U		0.412	0.500	1	03/28/2018 11:44	WG1090417
1,2,3-Trichlorobenzene	U		0.164	0.500	1	03/28/2018 11:44	WG1090417
1,2,4-Trichlorobenzene	U		0.355	0.500	1	03/28/2018 11:44	WG1090417
1,1,1-Trichloroethane	U		0.0940	0.500	1	03/28/2018 11:44	WG1090417
1,1,2-Trichloroethane	U		0.186	0.500	1	03/28/2018 11:44	WG1090417
Trichloroethene	U		0.153	0.500	1	03/28/2018 11:44	WG1090417
Trichlorofluoromethane	U		0.130	2.50	1	03/28/2018 11:44	WG1090417
1,2,3-Trichloropropane	U		0.247	2.50	1	03/28/2018 11:44	WG1090417
1,2,4-Trimethylbenzene	U		0.123	0.500	1	03/28/2018 11:44	WG1090417
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	03/28/2018 11:44	WG1090417
1,3,5-Trimethylbenzene	U		0.124	0.500	1	03/28/2018 11:44	WG1090417
Vinyl acetate	U	J0	0.645	5.00	1	03/28/2018 11:44	WG1090417
Vinyl chloride	U		0.118	0.500	1	03/28/2018 11:44	WG1090417
Xylenes, Total	U		0.316	1.50	1	03/28/2018 11:44	WG1090417
(S) Toluene-d8	*101*			*80.0-120*		*03/28/2018 11:44*	WG1090417
(S) Dibromofluoromethane	*100*			*76.0-123*		*03/28/2018 11:44*	WG1090417
(S) 4-Bromofluorobenzene	*90.8*			*80.0-120*		*03/28/2018 11:44*	WG1090417

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ANALYTICAL REPORT

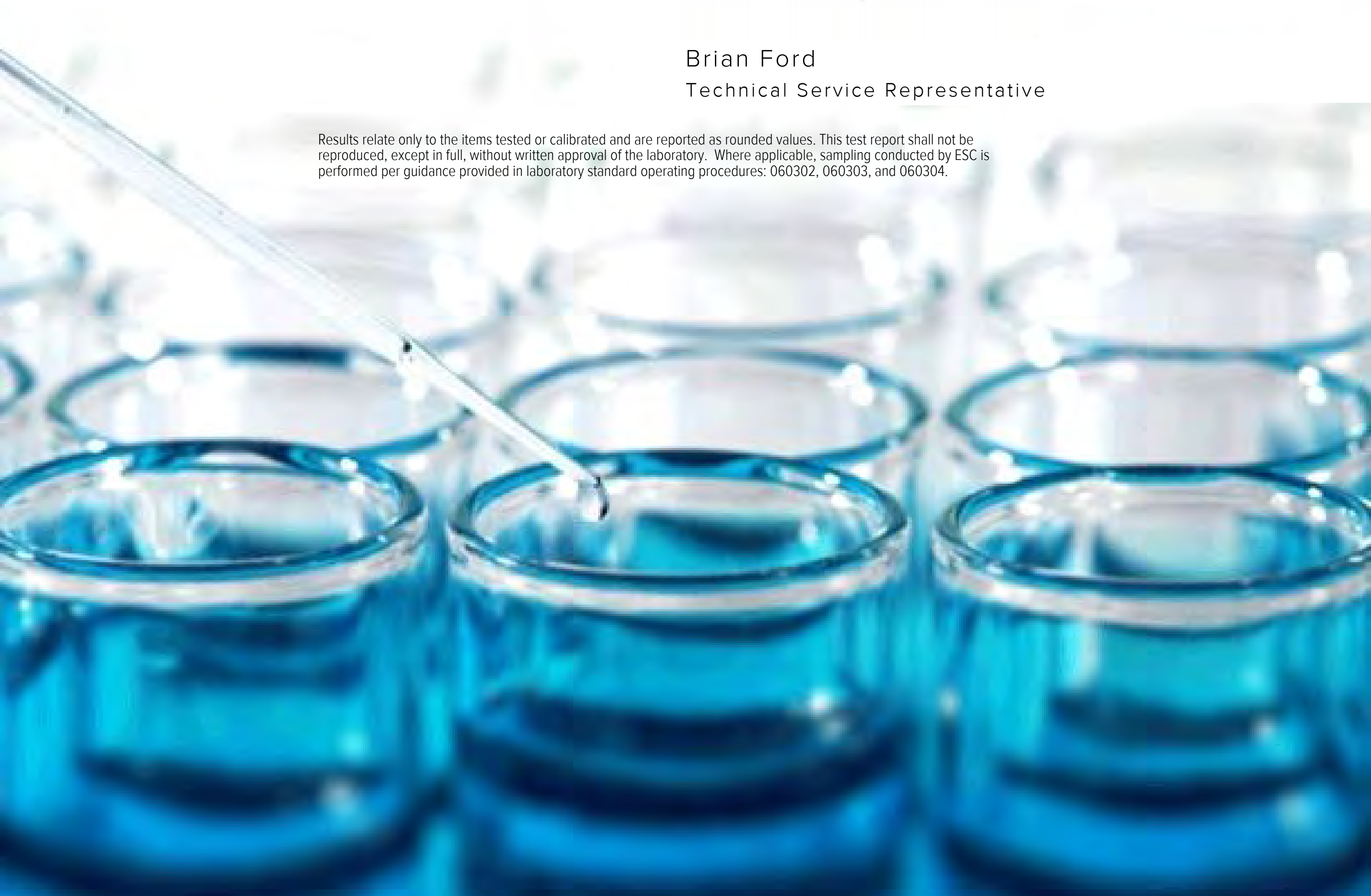
April 03, 2018

PES Environmental, Inc.- WA

Sample Delivery Group:	L980722
Samples Received:	03/26/2018
Project Number:	1413.001.05.304
Description:	American Linen Project
Report To:	Brian O'Neal/Bill Haldeman 1215 Fourth Ave., Suite 1350 Seattle, WA 98161

Entire Report Reviewed By: Brian Ford

Brian Ford
Technical Service Representative



12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.esclabsciences.com

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SAMPLE SUMMARY

IW-46B-5 L980722-01 Solid

Collected by	Collected date/time	Received date/time
Rachel McLaughlin	03/20/18 13:15	03/26/18 10:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1091657	1	03/30/18 17:00	03/30/18 17:11	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1091310	1	03/20/18 13:15	03/30/18 03:47	BMB
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1091310	1	03/20/18 13:15	04/01/18 15:02	ACG

IW-46B-10 L980722-02 Solid

Collected by	Collected date/time	Received date/time
Rachel McLaughlin	03/20/18 13:27	03/26/18 10:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1091657	1	03/30/18 17:00	03/30/18 17:11	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1091310	1	03/20/18 13:27	03/30/18 04:08	BMB
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1091310	1	03/20/18 13:27	04/01/18 15:23	ACG

IW-46B-15 L980722-03 Solid

Collected by	Collected date/time	Received date/time
Rachel McLaughlin	03/20/18 13:42	03/26/18 10:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1091657	1	03/30/18 17:00	03/30/18 17:11	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1091310	25	03/20/18 13:42	04/01/18 17:51	ACG

IW-46B-20 L980722-04 Solid

Collected by	Collected date/time	Received date/time
Rachel McLaughlin	03/20/18 13:55	03/26/18 10:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1091657	1	03/30/18 17:00	03/30/18 17:11	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1091310	1	03/20/18 13:55	03/30/18 04:51	BMB

IW-46B-25 L980722-05 Solid

Collected by	Collected date/time	Received date/time
Rachel McLaughlin	03/20/18 14:05	03/26/18 10:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1091657	1	03/30/18 17:00	03/30/18 17:11	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1091310	1	03/20/18 14:05	03/30/18 05:12	BMB
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1091310	200	03/20/18 14:05	04/01/18 18:12	ACG

IW-46B-30 L980722-06 Solid

Collected by	Collected date/time	Received date/time
Rachel McLaughlin	03/20/18 14:15	03/26/18 10:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1091657	1	03/30/18 17:00	03/30/18 17:11	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1091310	1	03/20/18 14:15	03/30/18 05:33	BMB
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1091310	50	03/20/18 14:15	04/01/18 18:33	ACG

IW-46B-35 L980722-07 Solid

Collected by	Collected date/time	Received date/time
Rachel McLaughlin	03/20/18 14:20	03/26/18 10:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1091660	1	03/30/18 16:21	03/30/18 16:43	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1091310	1	03/20/18 14:20	03/30/18 05:54	BMB
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1091310	1	03/20/18 14:20	04/01/18 15:44	ACG

SAMPLE SUMMARY

IW-46B-40 L980722-08 Solid

Collected by	Collected date/time	Received date/time
Rachel McLaughlin	03/20/18 14:32	03/26/18 10:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1091660	1	03/30/18 16:21	03/30/18 16:43	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1091310	1	03/20/18 14:32	03/30/18 06:15	BMB
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1091310	50	03/20/18 14:32	04/01/18 18:54	ACG

IW-46B-45 L980722-09 Solid

Collected by	Collected date/time	Received date/time
Rachel McLaughlin	03/20/18 14:49	03/26/18 10:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1091660	1	03/30/18 16:21	03/30/18 16:43	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1091310	5000	03/20/18 14:49	04/01/18 19:15	ACG

IW-46B-50 L980722-10 Solid

Collected by	Collected date/time	Received date/time
Rachel McLaughlin	03/20/18 14:59	03/26/18 10:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1091660	1	03/30/18 16:21	03/30/18 16:43	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1091310	1	03/20/18 14:59	03/30/18 06:36	BMB
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1091310	250	03/20/18 14:59	04/01/18 19:36	ACG

IW-46B-55 L980722-11 Solid

Collected by	Collected date/time	Received date/time
Rachel McLaughlin	03/20/18 15:05	03/26/18 10:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1091660	1	03/30/18 16:21	03/30/18 16:43	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1091310	1	03/20/18 15:05	03/30/18 06:57	BMB
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1091310	250	03/20/18 15:05	04/01/18 19:57	ACG

IW-46B-60 L980722-12 Solid

Collected by	Collected date/time	Received date/time
Rachel McLaughlin	03/20/18 15:16	03/26/18 10:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1091660	1	03/30/18 16:21	03/30/18 16:43	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1091310	1	03/20/18 15:16	03/30/18 07:18	BMB
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1091310	250	03/20/18 15:16	04/01/18 20:19	ACG

IW-46B-65 L980722-13 Solid

Collected by	Collected date/time	Received date/time
Rachel McLaughlin	03/20/18 15:21	03/26/18 10:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1091660	1	03/30/18 16:21	03/30/18 16:43	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1091310	1	03/20/18 15:21	03/30/18 07:39	BMB
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1091310	25	03/20/18 15:21	04/01/18 20:40	ACG
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1091310	250	03/20/18 15:21	04/02/18 14:07	DWR

IW-46B-70 L980722-14 Solid

Collected by	Collected date/time	Received date/time
Rachel McLaughlin	03/20/18 15:35	03/26/18 10:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1091660	1	03/30/18 16:21	03/30/18 16:43	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1091310	1	03/20/18 15:35	03/30/18 08:00	BMB
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1091310	50	03/20/18 15:35	04/01/18 21:01	ACG

IW-46B-42 L980722-15 Solid

Collected by	Collected date/time	Received date/time
Rachel McLaughlin	03/20/18 14:41	03/26/18 10:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1091660	1	03/30/18 16:21	03/30/18 16:43	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1091310	1	03/20/18 14:41	03/30/18 08:21	BMB
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1091310	1000	03/20/18 14:41	04/01/18 21:22	ACG

IW-904-35 L980722-16 Solid

Collected by	Collected date/time	Received date/time
Rachel McLaughlin	03/20/18 11:45	03/26/18 10:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1091660	1	03/30/18 16:21	03/30/18 16:43	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1091540	1	03/20/18 11:45	04/01/18 16:05	ACG

IW-47B-5 L980722-17 Solid

Collected by	Collected date/time	Received date/time
Rachel McLaughlin	03/22/18 11:06	03/26/18 10:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1091662	1	03/30/18 14:31	03/30/18 14:41	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1091540	1	03/22/18 11:06	03/30/18 19:35	BMB
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1091540	1	03/22/18 11:06	04/01/18 18:44	BMB

IW-47B-10 L980722-18 Solid

Collected by	Collected date/time	Received date/time
Rachel McLaughlin	03/22/18 11:16	03/26/18 10:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1091662	1	03/30/18 14:31	03/30/18 14:41	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1091540	1	03/22/18 11:16	03/30/18 19:55	BMB

IW-47B-15 L980722-19 Solid

Collected by	Collected date/time	Received date/time
Rachel McLaughlin	03/22/18 11:21	03/26/18 10:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1091662	1	03/30/18 14:31	03/30/18 14:41	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1091540	1	03/22/18 11:21	03/30/18 20:42	BMB

IW-47B-20 L980722-20 Solid

Collected by	Collected date/time	Received date/time
Rachel McLaughlin	03/22/18 11:29	03/26/18 10:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1091662	1	03/30/18 14:31	03/30/18 14:41	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1091540	1	03/22/18 11:29	03/30/18 21:03	BMB

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All radiochemical sample results for solids are reported on a dry weight basis with the exception of tritium, carbon-14 and radon, unless wet weight was requested by the client. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Brian Ford

Brian Ford
Technical Service Representative

Sample Handling and Receiving

The following sample(s) were received at greater than 6 degrees C.

ESC Sample ID	Project Sample ID	Method
L980722-01	IW-46B-5	8260C
L980722-02	IW-46B-10	8260C
L980722-03	IW-46B-15	8260C
L980722-04	IW-46B-20	8260C
L980722-05	IW-46B-25	8260C
L980722-06	IW-46B-30	8260C
L980722-07	IW-46B-35	8260C
L980722-08	IW-46B-40	8260C
L980722-09	IW-46B-45	8260C
L980722-10	IW-46B-50	8260C
L980722-11	IW-46B-55	8260C
L980722-12	IW-46B-60	8260C
L980722-13	IW-46B-65	8260C
L980722-14	IW-46B-70	8260C
L980722-15	IW-46B-42	8260C
L980722-16	IW-904-35	8260C
L980722-17	IW-47B-5	8260C
L980722-18	IW-47B-10	8260C
L980722-19	IW-47B-15	8260C
L980722-20	IW-47B-20	8260C

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	89.0		1	03/30/2018 17:11	WG1091657

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.0389	J	0.0112	0.0562	1	03/30/2018 03:47	WG1091310
Acrylonitrile	U		0.00201	0.0112	1	03/30/2018 03:47	WG1091310
Benzene	U		0.000303	0.00112	1	03/30/2018 03:47	WG1091310
Bromobenzene	U		0.000319	0.00112	1	03/30/2018 03:47	WG1091310
Bromodichloromethane	U		0.000286	0.00112	1	03/30/2018 03:47	WG1091310
Bromochloromethane	U		0.000438	0.00562	1	03/30/2018 03:47	WG1091310
Bromoform	U		0.000477	0.00112	1	03/30/2018 03:47	WG1091310
Bromomethane	U		0.00151	0.00562	1	03/30/2018 03:47	WG1091310
n-Butylbenzene	U		0.000290	0.00112	1	03/30/2018 03:47	WG1091310
sec-Butylbenzene	U		0.000226	0.00112	1	03/30/2018 03:47	WG1091310
tert-Butylbenzene	U		0.000232	0.00112	1	03/30/2018 03:47	WG1091310
Carbon disulfide	0.000328	J	0.000248	0.00112	1	03/30/2018 03:47	WG1091310
Carbon tetrachloride	U		0.000369	0.00112	1	03/30/2018 03:47	WG1091310
Chlorobenzene	U		0.000238	0.00112	1	03/30/2018 03:47	WG1091310
Chlorodibromomethane	U		0.000419	0.00112	1	03/30/2018 03:47	WG1091310
Chloroethane	U		0.00106	0.00562	1	03/30/2018 03:47	WG1091310
Chloroform	U		0.000257	0.00562	1	03/30/2018 03:47	WG1091310
Chloromethane	U		0.000422	0.00281	1	03/30/2018 03:47	WG1091310
2-Chlorotoluene	U		0.000338	0.00112	1	03/30/2018 03:47	WG1091310
4-Chlorotoluene	U		0.000270	0.00112	1	03/30/2018 03:47	WG1091310
1,2-Dibromo-3-Chloropropane	U		0.00118	0.00562	1	03/30/2018 03:47	WG1091310
1,2-Dibromoethane	U		0.000386	0.00112	1	03/30/2018 03:47	WG1091310
Dibromomethane	U		0.000429	0.00112	1	03/30/2018 03:47	WG1091310
1,2-Dichlorobenzene	U		0.000343	0.00112	1	03/30/2018 03:47	WG1091310
1,3-Dichlorobenzene	U		0.000269	0.00112	1	03/30/2018 03:47	WG1091310
1,4-Dichlorobenzene	U		0.000254	0.00112	1	03/30/2018 03:47	WG1091310
Dichlorodifluoromethane	U		0.000801	0.00562	1	03/30/2018 03:47	WG1091310
1,1-Dichloroethane	U		0.000224	0.00112	1	03/30/2018 03:47	WG1091310
1,2-Dichloroethane	U		0.000298	0.00112	1	03/30/2018 03:47	WG1091310
1,1-Dichloroethene	U		0.000341	0.00112	1	03/30/2018 03:47	WG1091310
cis-1,2-Dichloroethene	0.000434	J	0.000264	0.00112	1	04/01/2018 15:02	WG1091310
trans-1,2-Dichloroethene	U		0.000297	0.00112	1	03/30/2018 03:47	WG1091310
1,2-Dichloropropane	U		0.000402	0.00112	1	03/30/2018 03:47	WG1091310
1,1-Dichloropropene	U		0.000356	0.00112	1	03/30/2018 03:47	WG1091310
1,3-Dichloropropane	U		0.000233	0.00112	1	03/30/2018 03:47	WG1091310
cis-1,3-Dichloropropene	U		0.000295	0.00112	1	03/30/2018 03:47	WG1091310
trans-1,3-Dichloropropene	U		0.000300	0.00112	1	03/30/2018 03:47	WG1091310
trans-1,4-Dichloro-2-butene	U		0.000875	0.00281	1	03/30/2018 03:47	WG1091310
2,2-Dichloropropane	U		0.000314	0.00112	1	03/30/2018 03:47	WG1091310
Di-isopropyl ether	U		0.000279	0.00112	1	03/30/2018 03:47	WG1091310
Ethylbenzene	U		0.000334	0.00112	1	03/30/2018 03:47	WG1091310
Hexachloro-1,3-butadiene	U		0.000384	0.00112	1	03/30/2018 03:47	WG1091310
2-Hexanone	U		0.00154	0.0112	1	03/30/2018 03:47	WG1091310
n-Hexane	U		0.000326	0.0112	1	03/30/2018 03:47	WG1091310
Iodomethane	U		0.00284	0.0112	1	03/30/2018 03:47	WG1091310
Isopropylbenzene	U		0.000273	0.00112	1	03/30/2018 03:47	WG1091310
p-Isopropyltoluene	U		0.000229	0.00112	1	03/30/2018 03:47	WG1091310
2-Butanone (MEK)	U		0.00526	0.0112	1	03/30/2018 03:47	WG1091310
Methylene Chloride	U		0.00112	0.00562	1	03/30/2018 03:47	WG1091310
4-Methyl-2-pentanone (MIBK)	U		0.00211	0.0112	1	03/30/2018 03:47	WG1091310

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000238	0.00112	1	03/30/2018 03:47	WG1091310
Naphthalene	U		0.00112	0.00562	1	03/30/2018 03:47	WG1091310
n-Propylbenzene	U		0.000232	0.00112	1	03/30/2018 03:47	WG1091310
Styrene	U		0.000263	0.00112	1	03/30/2018 03:47	WG1091310
1,1,1,2-Tetrachloroethane	U		0.000297	0.00112	1	03/30/2018 03:47	WG1091310
1,1,2,2-Tetrachloroethane	U		0.000410	0.00112	1	03/30/2018 03:47	WG1091310
1,1,2-Trichlorotrifluoroethane	U		0.000410	0.00112	1	03/30/2018 03:47	WG1091310
Tetrachloroethene	0.00450		0.000310	0.00112	1	03/30/2018 03:47	WG1091310
Toluene	U		0.000488	0.00562	1	03/30/2018 03:47	WG1091310
1,2,3-Trichlorobenzene	U		0.000344	0.00112	1	03/30/2018 03:47	WG1091310
1,2,4-Trichlorobenzene	U		0.000436	0.00112	1	03/30/2018 03:47	WG1091310
1,1,1-Trichloroethane	U		0.000321	0.00112	1	03/30/2018 03:47	WG1091310
1,1,2-Trichloroethane	U		0.000311	0.00112	1	03/30/2018 03:47	WG1091310
Trichloroethene	U		0.000314	0.00112	1	03/30/2018 03:47	WG1091310
Trichlorofluoromethane	U		0.000429	0.00562	1	03/30/2018 03:47	WG1091310
1,2,3-Trichloropropane	U		0.000833	0.00281	1	03/30/2018 03:47	WG1091310
1,2,4-Trimethylbenzene	U		0.000237	0.00112	1	03/30/2018 03:47	WG1091310
1,2,3-Trimethylbenzene	U		0.000323	0.00112	1	03/30/2018 03:47	WG1091310
1,3,5-Trimethylbenzene	U		0.000299	0.00112	1	03/30/2018 03:47	WG1091310
Vinyl acetate	U		0.00269	0.0112	1	03/30/2018 03:47	WG1091310
Vinyl chloride	U		0.000327	0.00112	1	03/30/2018 03:47	WG1091310
Xylenes, Total	U		0.000785	0.00337	1	03/30/2018 03:47	WG1091310
(S) Toluene-d8	*104*			*80.0-120*		*04/01/2018 15:02*	WG1091310
(S) Toluene-d8	*101*			*80.0-120*		*03/30/2018 03:47*	WG1091310
(S) Dibromofluoromethane	*106*			*74.0-131*		*03/30/2018 03:47*	WG1091310
(S) Dibromofluoromethane	*101*			*74.0-131*		*04/01/2018 15:02*	WG1091310
(S) 4-Bromofluorobenzene	*106*			*64.0-132*		*03/30/2018 03:47*	WG1091310
(S) 4-Bromofluorobenzene	*100*			*64.0-132*		*04/01/2018 15:02*	WG1091310

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	91.0		1	03/30/2018 17:11	WG1091657

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.0688		0.0110	0.0549	1	03/30/2018 04:08	WG1091310
Acrylonitrile	U		0.00197	0.0110	1	03/30/2018 04:08	WG1091310
Benzene	0.000327	J	0.000297	0.00110	1	03/30/2018 04:08	WG1091310
Bromobenzene	U		0.000312	0.00110	1	03/30/2018 04:08	WG1091310
Bromodichloromethane	U		0.000279	0.00110	1	03/30/2018 04:08	WG1091310
Bromochloromethane	U		0.000429	0.00549	1	03/30/2018 04:08	WG1091310
Bromoform	U		0.000466	0.00110	1	03/30/2018 04:08	WG1091310
Bromomethane	U		0.00147	0.00549	1	03/30/2018 04:08	WG1091310
n-Butylbenzene	U		0.000284	0.00110	1	03/30/2018 04:08	WG1091310
sec-Butylbenzene	U		0.000221	0.00110	1	03/30/2018 04:08	WG1091310
tert-Butylbenzene	U		0.000226	0.00110	1	03/30/2018 04:08	WG1091310
Carbon disulfide	0.00104	J	0.000243	0.00110	1	03/30/2018 04:08	WG1091310
Carbon tetrachloride	U		0.000360	0.00110	1	03/30/2018 04:08	WG1091310
Chlorobenzene	U		0.000233	0.00110	1	03/30/2018 04:08	WG1091310
Chlorodibromomethane	U		0.000410	0.00110	1	03/30/2018 04:08	WG1091310
Chloroethane	U		0.00104	0.00549	1	03/30/2018 04:08	WG1091310
Chloroform	U		0.000252	0.00549	1	03/30/2018 04:08	WG1091310
Chloromethane	U		0.000412	0.00275	1	03/30/2018 04:08	WG1091310
2-Chlorotoluene	U		0.000331	0.00110	1	03/30/2018 04:08	WG1091310
4-Chlorotoluene	U		0.000264	0.00110	1	03/30/2018 04:08	WG1091310
1,2-Dibromo-3-Chloropropane	U		0.00115	0.00549	1	03/30/2018 04:08	WG1091310
1,2-Dibromoethane	U		0.000377	0.00110	1	03/30/2018 04:08	WG1091310
Dibromomethane	U		0.000420	0.00110	1	03/30/2018 04:08	WG1091310
1,2-Dichlorobenzene	U		0.000335	0.00110	1	03/30/2018 04:08	WG1091310
1,3-Dichlorobenzene	U		0.000263	0.00110	1	03/30/2018 04:08	WG1091310
1,4-Dichlorobenzene	U		0.000248	0.00110	1	03/30/2018 04:08	WG1091310
Dichlorodifluoromethane	U		0.000783	0.00549	1	03/30/2018 04:08	WG1091310
1,1-Dichloroethane	U		0.000219	0.00110	1	03/30/2018 04:08	WG1091310
1,2-Dichloroethane	U		0.000291	0.00110	1	03/30/2018 04:08	WG1091310
1,1-Dichloroethene	U		0.000333	0.00110	1	03/30/2018 04:08	WG1091310
cis-1,2-Dichloroethene	0.000349	J	0.000258	0.00110	1	04/01/2018 15:23	WG1091310
trans-1,2-Dichloroethene	U		0.000290	0.00110	1	03/30/2018 04:08	WG1091310
1,2-Dichloropropane	U		0.000393	0.00110	1	03/30/2018 04:08	WG1091310
1,1-Dichloropropene	U		0.000348	0.00110	1	03/30/2018 04:08	WG1091310
1,3-Dichloropropane	U		0.000227	0.00110	1	03/30/2018 04:08	WG1091310
cis-1,3-Dichloropropene	U		0.000288	0.00110	1	03/30/2018 04:08	WG1091310
trans-1,3-Dichloropropene	U		0.000293	0.00110	1	03/30/2018 04:08	WG1091310
trans-1,4-Dichloro-2-butene	U		0.000855	0.00275	1	03/30/2018 04:08	WG1091310
2,2-Dichloropropane	U		0.000307	0.00110	1	03/30/2018 04:08	WG1091310
Di-isopropyl ether	U		0.000273	0.00110	1	03/30/2018 04:08	WG1091310
Ethylbenzene	U		0.000326	0.00110	1	03/30/2018 04:08	WG1091310
Hexachloro-1,3-butadiene	U		0.000376	0.00110	1	03/30/2018 04:08	WG1091310
2-Hexanone	U		0.00151	0.0110	1	03/30/2018 04:08	WG1091310
n-Hexane	U		0.000319	0.0110	1	03/30/2018 04:08	WG1091310
Iodomethane	U		0.00278	0.0110	1	03/30/2018 04:08	WG1091310
Isopropylbenzene	U		0.000267	0.00110	1	03/30/2018 04:08	WG1091310
p-Isopropyltoluene	U		0.000224	0.00110	1	03/30/2018 04:08	WG1091310
2-Butanone (MEK)	0.00532	J	0.00514	0.0110	1	03/30/2018 04:08	WG1091310
Methylene Chloride	U		0.00110	0.00549	1	03/30/2018 04:08	WG1091310
4-Methyl-2-pentanone (MIBK)	U		0.00207	0.0110	1	03/30/2018 04:08	WG1091310

IW-46B-10

Collected date/time: 03/20/18 13:27

SAMPLE RESULTS - 02

L980722

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000233	0.00110	1	03/30/2018 04:08	WG1091310
Naphthalene	U		0.00110	0.00549	1	03/30/2018 04:08	WG1091310
n-Propylbenzene	U		0.000226	0.00110	1	03/30/2018 04:08	WG1091310
Styrene	U		0.000257	0.00110	1	03/30/2018 04:08	WG1091310
1,1,1,2-Tetrachloroethane	U		0.000290	0.00110	1	03/30/2018 04:08	WG1091310
1,1,2,2-Tetrachloroethane	U		0.000401	0.00110	1	03/30/2018 04:08	WG1091310
1,1,2-Trichlorotrifluoroethane	U		0.000401	0.00110	1	03/30/2018 04:08	WG1091310
Tetrachloroethene	0.0223		0.000303	0.00110	1	03/30/2018 04:08	WG1091310
Toluene	U		0.000477	0.00549	1	03/30/2018 04:08	WG1091310
1,2,3-Trichlorobenzene	U		0.000336	0.00110	1	03/30/2018 04:08	WG1091310
1,2,4-Trichlorobenzene	U		0.000426	0.00110	1	03/30/2018 04:08	WG1091310
1,1,1-Trichloroethane	U		0.000314	0.00110	1	03/30/2018 04:08	WG1091310
1,1,2-Trichloroethane	U		0.000304	0.00110	1	03/30/2018 04:08	WG1091310
Trichloroethene	U		0.000307	0.00110	1	03/30/2018 04:08	WG1091310
Trichlorofluoromethane	U		0.000420	0.00549	1	03/30/2018 04:08	WG1091310
1,2,3-Trichloropropane	U		0.000814	0.00275	1	03/30/2018 04:08	WG1091310
1,2,4-Trimethylbenzene	U		0.000232	0.00110	1	03/30/2018 04:08	WG1091310
1,2,3-Trimethylbenzene	U		0.000315	0.00110	1	03/30/2018 04:08	WG1091310
1,3,5-Trimethylbenzene	U		0.000292	0.00110	1	03/30/2018 04:08	WG1091310
Vinyl acetate	U		0.00263	0.0110	1	03/30/2018 04:08	WG1091310
Vinyl chloride	U		0.000320	0.00110	1	03/30/2018 04:08	WG1091310
Xylenes, Total	U		0.000767	0.00330	1	03/30/2018 04:08	WG1091310
(S) Toluene-d8	*101*			*80.0-120*		*04/01/2018 15:23*	WG1091310
(S) Toluene-d8	*98.9*			*80.0-120*		*03/30/2018 04:08*	WG1091310
(S) Dibromofluoromethane	*108*			*74.0-131*		*03/30/2018 04:08*	WG1091310
(S) Dibromofluoromethane	*103*			*74.0-131*		*04/01/2018 15:23*	WG1091310
(S) 4-Bromofluorobenzene	*105*			*64.0-132*		*04/01/2018 15:23*	WG1091310
(S) 4-Bromofluorobenzene	*104*			*64.0-132*		*03/30/2018 04:08*	WG1091310

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

IW-46B-15

Collected date/time: 03/20/18 13:42

SAMPLE RESULTS - 03

L980722

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	90.4		1	03/30/2018 17:11	WG1091657

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.277	1.38	25	04/01/2018 17:51	WG1091310
Acrylonitrile	U		0.0496	0.277	25	04/01/2018 17:51	WG1091310
Benzene	U		0.00747	0.0277	25	04/01/2018 17:51	WG1091310
Bromobenzene	U		0.00785	0.0277	25	04/01/2018 17:51	WG1091310
Bromodichloromethane	U		0.00702	0.0277	25	04/01/2018 17:51	WG1091310
Bromochloromethane	U		0.0108	0.138	25	04/01/2018 17:51	WG1091310
Bromoform	U		0.0117	0.0277	25	04/01/2018 17:51	WG1091310
Bromomethane	U		0.0371	0.138	25	04/01/2018 17:51	WG1091310
n-Butylbenzene	U		0.00713	0.0277	25	04/01/2018 17:51	WG1091310
sec-Butylbenzene	U		0.00555	0.0277	25	04/01/2018 17:51	WG1091310
tert-Butylbenzene	U		0.00570	0.0277	25	04/01/2018 17:51	WG1091310
Carbon disulfide	U		0.00611	0.0277	25	04/01/2018 17:51	WG1091310
Carbon tetrachloride	U		0.00907	0.0277	25	04/01/2018 17:51	WG1091310
Chlorobenzene	U		0.00586	0.0277	25	04/01/2018 17:51	WG1091310
Chlorodibromomethane	U		0.0103	0.0277	25	04/01/2018 17:51	WG1091310
Chloroethane	U		0.0261	0.138	25	04/01/2018 17:51	WG1091310
Chloroform	U		0.00633	0.138	25	04/01/2018 17:51	WG1091310
Chloromethane	U		0.0104	0.0691	25	04/01/2018 17:51	WG1091310
2-Chlorotoluene	U		0.00832	0.0277	25	04/01/2018 17:51	WG1091310
4-Chlorotoluene	U		0.00664	0.0277	25	04/01/2018 17:51	WG1091310
1,2-Dibromo-3-Chloropropane	U		0.0290	0.138	25	04/01/2018 17:51	WG1091310
1,2-Dibromoethane	U	J4	0.00949	0.0277	25	04/01/2018 17:51	WG1091310
Dibromomethane	U		0.0106	0.0277	25	04/01/2018 17:51	WG1091310
1,2-Dichlorobenzene	U		0.00843	0.0277	25	04/01/2018 17:51	WG1091310
1,3-Dichlorobenzene	U		0.00661	0.0277	25	04/01/2018 17:51	WG1091310
1,4-Dichlorobenzene	U		0.00625	0.0277	25	04/01/2018 17:51	WG1091310
Dichlorodifluoromethane	U		0.0197	0.138	25	04/01/2018 17:51	WG1091310
1,1-Dichloroethane	U		0.00551	0.0277	25	04/01/2018 17:51	WG1091310
1,2-Dichloroethane	U		0.00732	0.0277	25	04/01/2018 17:51	WG1091310
1,1-Dichloroethene	U		0.00838	0.0277	25	04/01/2018 17:51	WG1091310
cis-1,2-Dichloroethene	U		0.00650	0.0277	25	04/01/2018 17:51	WG1091310
trans-1,2-Dichloroethene	U		0.00730	0.0277	25	04/01/2018 17:51	WG1091310
1,2-Dichloropropane	U		0.00990	0.0277	25	04/01/2018 17:51	WG1091310
1,1-Dichloropropene	U		0.00876	0.0277	25	04/01/2018 17:51	WG1091310
1,3-Dichloropropane	U		0.00573	0.0277	25	04/01/2018 17:51	WG1091310
cis-1,3-Dichloropropene	U		0.00725	0.0277	25	04/01/2018 17:51	WG1091310
trans-1,3-Dichloropropene	U		0.00739	0.0277	25	04/01/2018 17:51	WG1091310
trans-1,4-Dichloro-2-butene	U	J4	0.0215	0.0691	25	04/01/2018 17:51	WG1091310
2,2-Dichloropropane	U		0.00772	0.0277	25	04/01/2018 17:51	WG1091310
Di-isopropyl ether	U		0.00686	0.0277	25	04/01/2018 17:51	WG1091310
Ethylbenzene	U		0.00821	0.0277	25	04/01/2018 17:51	WG1091310
Hexachloro-1,3-butadiene	U		0.00946	0.0277	25	04/01/2018 17:51	WG1091310
2-Hexanone	U	J3	0.0378	0.277	25	04/01/2018 17:51	WG1091310
n-Hexane	U		0.00802	0.277	25	04/01/2018 17:51	WG1091310
Iodomethane	U		0.0699	0.277	25	04/01/2018 17:51	WG1091310
Isopropylbenzene	U		0.00673	0.0277	25	04/01/2018 17:51	WG1091310
p-Isopropyltoluene	U		0.00564	0.0277	25	04/01/2018 17:51	WG1091310
2-Butanone (MEK)	U		0.129	0.277	25	04/01/2018 17:51	WG1091310
Methylene Chloride	U		0.0277	0.138	25	04/01/2018 17:51	WG1091310
4-Methyl-2-pentanone (MIBK)	U	J3	0.0520	0.277	25	04/01/2018 17:51	WG1091310

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.00586	0.0277	25	04/01/2018 17:51	WG1091310
Naphthalene	U		0.0277	0.138	25	04/01/2018 17:51	WG1091310
n-Propylbenzene	U		0.00570	0.0277	25	04/01/2018 17:51	WG1091310
Styrene	U		0.00647	0.0277	25	04/01/2018 17:51	WG1091310
1,1,1,2-Tetrachloroethane	U		0.00730	0.0277	25	04/01/2018 17:51	WG1091310
1,1,2,2-Tetrachloroethane	U		0.0101	0.0277	25	04/01/2018 17:51	WG1091310
1,1,2-Trichlorotrifluoroethane	U		0.0101	0.0277	25	04/01/2018 17:51	WG1091310
Tetrachloroethene	0.386		0.00763	0.0277	25	04/01/2018 17:51	WG1091310
Toluene	U		0.0119	0.138	25	04/01/2018 17:51	WG1091310
1,2,3-Trichlorobenzene	U		0.00846	0.0277	25	04/01/2018 17:51	WG1091310
1,2,4-Trichlorobenzene	U		0.0107	0.0277	25	04/01/2018 17:51	WG1091310
1,1,1-Trichloroethane	U		0.00791	0.0277	25	04/01/2018 17:51	WG1091310
1,1,2-Trichloroethane	U		0.00765	0.0277	25	04/01/2018 17:51	WG1091310
Trichloroethene	0.0108	J J4	0.00772	0.0277	25	04/01/2018 17:51	WG1091310
Trichlorofluoromethane	U		0.0106	0.138	25	04/01/2018 17:51	WG1091310
1,2,3-Trichloropropane	U		0.0205	0.0691	25	04/01/2018 17:51	WG1091310
1,2,4-Trimethylbenzene	U		0.00584	0.0277	25	04/01/2018 17:51	WG1091310
1,2,3-Trimethylbenzene	U		0.00794	0.0277	25	04/01/2018 17:51	WG1091310
1,3,5-Trimethylbenzene	U		0.00736	0.0277	25	04/01/2018 17:51	WG1091310
Vinyl acetate	U		0.0661	0.277	25	04/01/2018 17:51	WG1091310
Vinyl chloride	U		0.00805	0.0277	25	04/01/2018 17:51	WG1091310
Xylenes, Total	U	J4	0.0192	0.0830	25	04/01/2018 17:51	WG1091310
(S) Toluene-d8	*104*			*80.0-120*		*04/01/2018 17:51*	WG1091310
(S) Dibromofluoromethane	*95.0*			*74.0-131*		*04/01/2018 17:51*	WG1091310
(S) 4-Bromofluorobenzene	*101*			*64.0-132*		*04/01/2018 17:51*	WG1091310

Sample Narrative:

L980722-03 WG1091310: Cannot be analyzed at a lower dilution due to high levels of target analytes.

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	89.4		1	03/30/2018 17:11	WG1091657

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0112	0.0559	1	03/30/2018 04:51	WG1091310
Acrylonitrile	U		0.00200	0.0112	1	03/30/2018 04:51	WG1091310
Benzene	U		0.000302	0.00112	1	03/30/2018 04:51	WG1091310
Bromobenzene	U		0.000318	0.00112	1	03/30/2018 04:51	WG1091310
Bromodichloromethane	U		0.000284	0.00112	1	03/30/2018 04:51	WG1091310
Bromochloromethane	U		0.000436	0.00559	1	03/30/2018 04:51	WG1091310
Bromoform	U		0.000474	0.00112	1	03/30/2018 04:51	WG1091310
Bromomethane	U		0.00150	0.00559	1	03/30/2018 04:51	WG1091310
n-Butylbenzene	U		0.000288	0.00112	1	03/30/2018 04:51	WG1091310
sec-Butylbenzene	U		0.000225	0.00112	1	03/30/2018 04:51	WG1091310
tert-Butylbenzene	U		0.000230	0.00112	1	03/30/2018 04:51	WG1091310
Carbon disulfide	U		0.000247	0.00112	1	03/30/2018 04:51	WG1091310
Carbon tetrachloride	U		0.000367	0.00112	1	03/30/2018 04:51	WG1091310
Chlorobenzene	U		0.000237	0.00112	1	03/30/2018 04:51	WG1091310
Chlorodibromomethane	U		0.000417	0.00112	1	03/30/2018 04:51	WG1091310
Chloroethane	U		0.00106	0.00559	1	03/30/2018 04:51	WG1091310
Chloroform	U		0.000256	0.00559	1	03/30/2018 04:51	WG1091310
Chloromethane	U		0.000419	0.00280	1	03/30/2018 04:51	WG1091310
2-Chlorotoluene	U		0.000337	0.00112	1	03/30/2018 04:51	WG1091310
4-Chlorotoluene	U		0.000268	0.00112	1	03/30/2018 04:51	WG1091310
1,2-Dibromo-3-Chloropropane	U		0.00117	0.00559	1	03/30/2018 04:51	WG1091310
1,2-Dibromoethane	U		0.000383	0.00112	1	03/30/2018 04:51	WG1091310
Dibromomethane	U		0.000427	0.00112	1	03/30/2018 04:51	WG1091310
1,2-Dichlorobenzene	U		0.000341	0.00112	1	03/30/2018 04:51	WG1091310
1,3-Dichlorobenzene	U		0.000267	0.00112	1	03/30/2018 04:51	WG1091310
1,4-Dichlorobenzene	U		0.000253	0.00112	1	03/30/2018 04:51	WG1091310
Dichlorodifluoromethane	U		0.000797	0.00559	1	03/30/2018 04:51	WG1091310
1,1-Dichloroethane	U		0.000222	0.00112	1	03/30/2018 04:51	WG1091310
1,2-Dichloroethane	U		0.000296	0.00112	1	03/30/2018 04:51	WG1091310
1,1-Dichloroethene	U		0.000339	0.00112	1	03/30/2018 04:51	WG1091310
cis-1,2-Dichloroethene	0.000960	J	0.000263	0.00112	1	03/30/2018 04:51	WG1091310
trans-1,2-Dichloroethene	U		0.000295	0.00112	1	03/30/2018 04:51	WG1091310
1,2-Dichloropropane	U		0.000400	0.00112	1	03/30/2018 04:51	WG1091310
1,1-Dichloropropene	U		0.000354	0.00112	1	03/30/2018 04:51	WG1091310
1,3-Dichloropropane	U		0.000231	0.00112	1	03/30/2018 04:51	WG1091310
cis-1,3-Dichloropropene	U		0.000293	0.00112	1	03/30/2018 04:51	WG1091310
trans-1,3-Dichloropropene	U		0.000299	0.00112	1	03/30/2018 04:51	WG1091310
trans-1,4-Dichloro-2-butene	U		0.000870	0.00280	1	03/30/2018 04:51	WG1091310
2,2-Dichloropropane	U		0.000312	0.00112	1	03/30/2018 04:51	WG1091310
Di-isopropyl ether	U		0.000277	0.00112	1	03/30/2018 04:51	WG1091310
Ethylbenzene	U		0.000332	0.00112	1	03/30/2018 04:51	WG1091310
Hexachloro-1,3-butadiene	U		0.000382	0.00112	1	03/30/2018 04:51	WG1091310
2-Hexanone	U		0.00153	0.0112	1	03/30/2018 04:51	WG1091310
n-Hexane	U		0.000324	0.0112	1	03/30/2018 04:51	WG1091310
Iodomethane	U		0.00283	0.0112	1	03/30/2018 04:51	WG1091310
Isopropylbenzene	U		0.000272	0.00112	1	03/30/2018 04:51	WG1091310
p-Isopropyltoluene	U		0.000228	0.00112	1	03/30/2018 04:51	WG1091310
2-Butanone (MEK)	U		0.00523	0.0112	1	03/30/2018 04:51	WG1091310
Methylene Chloride	U		0.00112	0.00559	1	03/30/2018 04:51	WG1091310
4-Methyl-2-pentanone (MIBK)	U		0.00210	0.0112	1	03/30/2018 04:51	WG1091310

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000237	0.00112	1	03/30/2018 04:51	WG1091310
Naphthalene	U		0.00112	0.00559	1	03/30/2018 04:51	WG1091310
n-Propylbenzene	U		0.000230	0.00112	1	03/30/2018 04:51	WG1091310
Styrene	U		0.000262	0.00112	1	03/30/2018 04:51	WG1091310
1,1,1,2-Tetrachloroethane	U		0.000295	0.00112	1	03/30/2018 04:51	WG1091310
1,1,2,2-Tetrachloroethane	U		0.000408	0.00112	1	03/30/2018 04:51	WG1091310
1,1,2-Trichlorotrifluoroethane	U		0.000408	0.00112	1	03/30/2018 04:51	WG1091310
Tetrachloroethene	0.0626		0.000309	0.00112	1	03/30/2018 04:51	WG1091310
Toluene	U		0.000485	0.00559	1	03/30/2018 04:51	WG1091310
1,2,3-Trichlorobenzene	U		0.000342	0.00112	1	03/30/2018 04:51	WG1091310
1,2,4-Trichlorobenzene	U		0.000434	0.00112	1	03/30/2018 04:51	WG1091310
1,1,1-Trichloroethane	U		0.000320	0.00112	1	03/30/2018 04:51	WG1091310
1,1,2-Trichloroethane	U		0.000310	0.00112	1	03/30/2018 04:51	WG1091310
Trichloroethene	0.00127		0.000312	0.00112	1	03/30/2018 04:51	WG1091310
Trichlorofluoromethane	U		0.000427	0.00559	1	03/30/2018 04:51	WG1091310
1,2,3-Trichloropropane	U		0.000828	0.00280	1	03/30/2018 04:51	WG1091310
1,2,4-Trimethylbenzene	U		0.000236	0.00112	1	03/30/2018 04:51	WG1091310
1,2,3-Trimethylbenzene	U		0.000321	0.00112	1	03/30/2018 04:51	WG1091310
1,3,5-Trimethylbenzene	U		0.000297	0.00112	1	03/30/2018 04:51	WG1091310
Vinyl acetate	U		0.00267	0.0112	1	03/30/2018 04:51	WG1091310
Vinyl chloride	U		0.000325	0.00112	1	03/30/2018 04:51	WG1091310
Xylenes, Total	U		0.000780	0.00335	1	03/30/2018 04:51	WG1091310
(S) Toluene-d8	*99.6*			*80.0-120*		*03/30/2018 04:51*	WG1091310
(S) Dibromofluoromethane	*107*			*74.0-131*		*03/30/2018 04:51*	WG1091310
(S) 4-Bromofluorobenzene	*104*			*64.0-132*		*03/30/2018 04:51*	WG1091310

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	90.5		1	03/30/2018 17:11	WG1091657

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.0116	J	0.0111	0.0553	1	03/30/2018 05:12	WG1091310
Acrylonitrile	U		0.00198	0.0111	1	03/30/2018 05:12	WG1091310
Benzene	U		0.000298	0.00111	1	03/30/2018 05:12	WG1091310
Bromobenzene	U		0.000314	0.00111	1	03/30/2018 05:12	WG1091310
Bromodichloromethane	U		0.000281	0.00111	1	03/30/2018 05:12	WG1091310
Bromochloromethane	U		0.000431	0.00553	1	03/30/2018 05:12	WG1091310
Bromoform	U		0.000469	0.00111	1	03/30/2018 05:12	WG1091310
Bromomethane	U		0.00148	0.00553	1	03/30/2018 05:12	WG1091310
n-Butylbenzene	U		0.000285	0.00111	1	03/30/2018 05:12	WG1091310
sec-Butylbenzene	U		0.000222	0.00111	1	03/30/2018 05:12	WG1091310
tert-Butylbenzene	U		0.000228	0.00111	1	03/30/2018 05:12	WG1091310
Carbon disulfide	0.00128		0.000244	0.00111	1	03/30/2018 05:12	WG1091310
Carbon tetrachloride	U		0.000363	0.00111	1	03/30/2018 05:12	WG1091310
Chlorobenzene	U		0.000234	0.00111	1	03/30/2018 05:12	WG1091310
Chlorodibromomethane	U		0.000412	0.00111	1	03/30/2018 05:12	WG1091310
Chloroethane	U		0.00105	0.00553	1	03/30/2018 05:12	WG1091310
Chloroform	U		0.000253	0.00553	1	03/30/2018 05:12	WG1091310
Chloromethane	U		0.000414	0.00276	1	03/30/2018 05:12	WG1091310
2-Chlorotoluene	U		0.000333	0.00111	1	03/30/2018 05:12	WG1091310
4-Chlorotoluene	U		0.000265	0.00111	1	03/30/2018 05:12	WG1091310
1,2-Dibromo-3-Chloropropane	U		0.00116	0.00553	1	03/30/2018 05:12	WG1091310
1,2-Dibromoethane	U		0.000379	0.00111	1	03/30/2018 05:12	WG1091310
Dibromomethane	U		0.000422	0.00111	1	03/30/2018 05:12	WG1091310
1,2-Dichlorobenzene	U		0.000337	0.00111	1	03/30/2018 05:12	WG1091310
1,3-Dichlorobenzene	U		0.000264	0.00111	1	03/30/2018 05:12	WG1091310
1,4-Dichlorobenzene	U		0.000250	0.00111	1	03/30/2018 05:12	WG1091310
Dichlorodifluoromethane	U		0.000788	0.00553	1	03/30/2018 05:12	WG1091310
1,1-Dichloroethane	U		0.000220	0.00111	1	03/30/2018 05:12	WG1091310
1,2-Dichloroethane	U		0.000293	0.00111	1	03/30/2018 05:12	WG1091310
1,1-Dichloroethene	U		0.000335	0.00111	1	03/30/2018 05:12	WG1091310
cis-1,2-Dichloroethene	0.00239		0.000260	0.00111	1	03/30/2018 05:12	WG1091310
trans-1,2-Dichloroethene	U		0.000292	0.00111	1	03/30/2018 05:12	WG1091310
1,2-Dichloropropane	U		0.000396	0.00111	1	03/30/2018 05:12	WG1091310
1,1-Dichloropropene	U		0.000350	0.00111	1	03/30/2018 05:12	WG1091310
1,3-Dichloropropane	U		0.000229	0.00111	1	03/30/2018 05:12	WG1091310
cis-1,3-Dichloropropene	U		0.000290	0.00111	1	03/30/2018 05:12	WG1091310
trans-1,3-Dichloropropene	U		0.000295	0.00111	1	03/30/2018 05:12	WG1091310
trans-1,4-Dichloro-2-butene	U		0.000860	0.00276	1	03/30/2018 05:12	WG1091310
2,2-Dichloropropane	U		0.000308	0.00111	1	03/30/2018 05:12	WG1091310
Di-isopropyl ether	U		0.000274	0.00111	1	03/30/2018 05:12	WG1091310
Ethylbenzene	U		0.000328	0.00111	1	03/30/2018 05:12	WG1091310
Hexachloro-1,3-butadiene	U		0.000378	0.00111	1	03/30/2018 05:12	WG1091310
2-Hexanone	U		0.00151	0.0111	1	03/30/2018 05:12	WG1091310
n-Hexane	U		0.000321	0.0111	1	03/30/2018 05:12	WG1091310
Iodomethane	U		0.00280	0.0111	1	03/30/2018 05:12	WG1091310
Isopropylbenzene	U		0.000269	0.00111	1	03/30/2018 05:12	WG1091310
p-Isopropyltoluene	U		0.000225	0.00111	1	03/30/2018 05:12	WG1091310
2-Butanone (MEK)	U		0.00517	0.0111	1	03/30/2018 05:12	WG1091310
Methylene Chloride	U		0.00111	0.00553	1	03/30/2018 05:12	WG1091310
4-Methyl-2-pentanone (MIBK)	U		0.00208	0.0111	1	03/30/2018 05:12	WG1091310

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000234	0.00111	1	03/30/2018 05:12	WG1091310
Naphthalene	U		0.00111	0.00553	1	03/30/2018 05:12	WG1091310
n-Propylbenzene	U		0.000228	0.00111	1	03/30/2018 05:12	WG1091310
Styrene	U		0.000259	0.00111	1	03/30/2018 05:12	WG1091310
1,1,1,2-Tetrachloroethane	U		0.000292	0.00111	1	03/30/2018 05:12	WG1091310
1,1,2,2-Tetrachloroethane	U		0.000403	0.00111	1	03/30/2018 05:12	WG1091310
1,1,2-Trichlorotrifluoroethane	U		0.000403	0.00111	1	03/30/2018 05:12	WG1091310
Tetrachloroethene	20.1		0.0610	0.221	200	04/01/2018 18:12	WG1091310
Toluene	U		0.000480	0.00553	1	03/30/2018 05:12	WG1091310
1,2,3-Trichlorobenzene	U		0.000338	0.00111	1	03/30/2018 05:12	WG1091310
1,2,4-Trichlorobenzene	U		0.000429	0.00111	1	03/30/2018 05:12	WG1091310
1,1,1-Trichloroethane	U		0.000316	0.00111	1	03/30/2018 05:12	WG1091310
1,1,2-Trichloroethane	U		0.000306	0.00111	1	03/30/2018 05:12	WG1091310
Trichloroethene	0.0476		0.000308	0.00111	1	03/30/2018 05:12	WG1091310
Trichlorofluoromethane	U		0.000422	0.00553	1	03/30/2018 05:12	WG1091310
1,2,3-Trichloropropane	U		0.000819	0.00276	1	03/30/2018 05:12	WG1091310
1,2,4-Trimethylbenzene	U		0.000233	0.00111	1	03/30/2018 05:12	WG1091310
1,2,3-Trimethylbenzene	U		0.000317	0.00111	1	03/30/2018 05:12	WG1091310
1,3,5-Trimethylbenzene	U		0.000294	0.00111	1	03/30/2018 05:12	WG1091310
Vinyl acetate	U		0.00264	0.0111	1	03/30/2018 05:12	WG1091310
Vinyl chloride	0.000784	J	0.000322	0.00111	1	03/30/2018 05:12	WG1091310
Xylenes, Total	U		0.000772	0.00332	1	03/30/2018 05:12	WG1091310
(S) Toluene-d8	*99.4*			*80.0-120*		*03/30/2018 05:12*	WG1091310
(S) Toluene-d8	*105*			*80.0-120*		*04/01/2018 18:12*	WG1091310
(S) Dibromofluoromethane	*97.2*			*74.0-131*		*04/01/2018 18:12*	WG1091310
(S) Dibromofluoromethane	*106*			*74.0-131*		*03/30/2018 05:12*	WG1091310
(S) 4-Bromofluorobenzene	*106*			*64.0-132*		*03/30/2018 05:12*	WG1091310
(S) 4-Bromofluorobenzene	*98.7*			*64.0-132*		*04/01/2018 18:12*	WG1091310

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	89.4		1	03/30/2018 17:11	WG1091657

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.0144	J	0.0112	0.0559	1	03/30/2018 05:33	WG1091310
Acrylonitrile	U		0.00200	0.0112	1	03/30/2018 05:33	WG1091310
Benzene	U		0.000302	0.00112	1	03/30/2018 05:33	WG1091310
Bromobenzene	U		0.000318	0.00112	1	03/30/2018 05:33	WG1091310
Bromodichloromethane	U		0.000284	0.00112	1	03/30/2018 05:33	WG1091310
Bromochloromethane	U		0.000436	0.00559	1	03/30/2018 05:33	WG1091310
Bromoform	U		0.000474	0.00112	1	03/30/2018 05:33	WG1091310
Bromomethane	U		0.00150	0.00559	1	03/30/2018 05:33	WG1091310
n-Butylbenzene	U		0.000289	0.00112	1	03/30/2018 05:33	WG1091310
sec-Butylbenzene	U		0.000225	0.00112	1	03/30/2018 05:33	WG1091310
tert-Butylbenzene	U		0.000230	0.00112	1	03/30/2018 05:33	WG1091310
Carbon disulfide	0.000553	J	0.000247	0.00112	1	03/30/2018 05:33	WG1091310
Carbon tetrachloride	U		0.000367	0.00112	1	03/30/2018 05:33	WG1091310
Chlorobenzene	U		0.000237	0.00112	1	03/30/2018 05:33	WG1091310
Chlorodibromomethane	U		0.000417	0.00112	1	03/30/2018 05:33	WG1091310
Chloroethane	U		0.00106	0.00559	1	03/30/2018 05:33	WG1091310
Chloroform	U		0.000256	0.00559	1	03/30/2018 05:33	WG1091310
Chloromethane	U		0.000419	0.00280	1	03/30/2018 05:33	WG1091310
2-Chlorotoluene	U		0.000337	0.00112	1	03/30/2018 05:33	WG1091310
4-Chlorotoluene	U		0.000268	0.00112	1	03/30/2018 05:33	WG1091310
1,2-Dibromo-3-Chloropropane	U		0.00117	0.00559	1	03/30/2018 05:33	WG1091310
1,2-Dibromoethane	U		0.000384	0.00112	1	03/30/2018 05:33	WG1091310
Dibromomethane	U		0.000427	0.00112	1	03/30/2018 05:33	WG1091310
1,2-Dichlorobenzene	U		0.000341	0.00112	1	03/30/2018 05:33	WG1091310
1,3-Dichlorobenzene	U		0.000267	0.00112	1	03/30/2018 05:33	WG1091310
1,4-Dichlorobenzene	U		0.000253	0.00112	1	03/30/2018 05:33	WG1091310
Dichlorodifluoromethane	U		0.000797	0.00559	1	03/30/2018 05:33	WG1091310
1,1-Dichloroethane	U		0.000223	0.00112	1	03/30/2018 05:33	WG1091310
1,2-Dichloroethane	U		0.000296	0.00112	1	03/30/2018 05:33	WG1091310
1,1-Dichloroethene	U		0.000339	0.00112	1	03/30/2018 05:33	WG1091310
cis-1,2-Dichloroethene	0.00153		0.000263	0.00112	1	03/30/2018 05:33	WG1091310
trans-1,2-Dichloroethene	U		0.000295	0.00112	1	03/30/2018 05:33	WG1091310
1,2-Dichloropropane	U		0.000400	0.00112	1	03/30/2018 05:33	WG1091310
1,1-Dichloropropene	U		0.000354	0.00112	1	03/30/2018 05:33	WG1091310
1,3-Dichloropropane	U		0.000231	0.00112	1	03/30/2018 05:33	WG1091310
cis-1,3-Dichloropropene	U		0.000293	0.00112	1	03/30/2018 05:33	WG1091310
trans-1,3-Dichloropropene	U		0.000299	0.00112	1	03/30/2018 05:33	WG1091310
trans-1,4-Dichloro-2-butene	U		0.000870	0.00280	1	03/30/2018 05:33	WG1091310
2,2-Dichloropropane	U		0.000312	0.00112	1	03/30/2018 05:33	WG1091310
Di-isopropyl ether	U		0.000277	0.00112	1	03/30/2018 05:33	WG1091310
Ethylbenzene	U		0.000332	0.00112	1	03/30/2018 05:33	WG1091310
Hexachloro-1,3-butadiene	U		0.000382	0.00112	1	03/30/2018 05:33	WG1091310
2-Hexanone	U		0.00153	0.0112	1	03/30/2018 05:33	WG1091310
n-Hexane	U		0.000324	0.0112	1	03/30/2018 05:33	WG1091310
Iodomethane	U		0.00283	0.0112	1	03/30/2018 05:33	WG1091310
Isopropylbenzene	U		0.000272	0.00112	1	03/30/2018 05:33	WG1091310
p-Isopropyltoluene	U		0.000228	0.00112	1	03/30/2018 05:33	WG1091310
2-Butanone (MEK)	U		0.00523	0.0112	1	03/30/2018 05:33	WG1091310
Methylene Chloride	U		0.00112	0.00559	1	03/30/2018 05:33	WG1091310
4-Methyl-2-pentanone (MIBK)	U		0.00210	0.0112	1	03/30/2018 05:33	WG1091310

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000237	0.00112	1	03/30/2018 05:33	WG1091310
Naphthalene	U		0.00112	0.00559	1	03/30/2018 05:33	WG1091310
n-Propylbenzene	U		0.000230	0.00112	1	03/30/2018 05:33	WG1091310
Styrene	U		0.000262	0.00112	1	03/30/2018 05:33	WG1091310
1,1,1,2-Tetrachloroethane	U		0.000295	0.00112	1	03/30/2018 05:33	WG1091310
1,1,2,2-Tetrachloroethane	U		0.000408	0.00112	1	03/30/2018 05:33	WG1091310
1,1,2-Trichlorotrifluoroethane	U		0.000408	0.00112	1	03/30/2018 05:33	WG1091310
Tetrachloroethene	5.63		0.0154	0.0559	50	04/01/2018 18:33	WG1091310
Toluene	U		0.000485	0.00559	1	03/30/2018 05:33	WG1091310
1,2,3-Trichlorobenzene	U		0.000342	0.00112	1	03/30/2018 05:33	WG1091310
1,2,4-Trichlorobenzene	U		0.000434	0.00112	1	03/30/2018 05:33	WG1091310
1,1,1-Trichloroethane	U		0.000320	0.00112	1	03/30/2018 05:33	WG1091310
1,1,2-Trichloroethane	U		0.000310	0.00112	1	03/30/2018 05:33	WG1091310
Trichloroethene	0.0134		0.000312	0.00112	1	03/30/2018 05:33	WG1091310
Trichlorofluoromethane	U		0.000427	0.00559	1	03/30/2018 05:33	WG1091310
1,2,3-Trichloropropane	U		0.000829	0.00280	1	03/30/2018 05:33	WG1091310
1,2,4-Trimethylbenzene	U		0.000236	0.00112	1	03/30/2018 05:33	WG1091310
1,2,3-Trimethylbenzene	U		0.000321	0.00112	1	03/30/2018 05:33	WG1091310
1,3,5-Trimethylbenzene	U		0.000297	0.00112	1	03/30/2018 05:33	WG1091310
Vinyl acetate	U		0.00267	0.0112	1	03/30/2018 05:33	WG1091310
Vinyl chloride	U		0.000325	0.00112	1	03/30/2018 05:33	WG1091310
Xylenes, Total	U		0.000781	0.00335	1	03/30/2018 05:33	WG1091310
(S) Toluene-d8	*100*			*80.0-120*		*04/01/2018 18:33*	WG1091310
(S) Toluene-d8	*98.7*			*80.0-120*		*03/30/2018 05:33*	WG1091310
(S) Dibromofluoromethane	*108*			*74.0-131*		*03/30/2018 05:33*	WG1091310
(S) Dibromofluoromethane	*97.8*			*74.0-131*		*04/01/2018 18:33*	WG1091310
(S) 4-Bromofluorobenzene	*98.8*			*64.0-132*		*04/01/2018 18:33*	WG1091310
(S) 4-Bromofluorobenzene	*106*			*64.0-132*		*03/30/2018 05:33*	WG1091310

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	82.7		1	03/30/2018 16:43	WG1091660

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.0147	J	0.0121	0.0605	1	03/30/2018 05:54	WG1091310
Acrylonitrile	U		0.00217	0.0121	1	03/30/2018 05:54	WG1091310
Benzene	U		0.000327	0.00121	1	03/30/2018 05:54	WG1091310
Bromobenzene	U		0.000344	0.00121	1	03/30/2018 05:54	WG1091310
Bromodichloromethane	U		0.000307	0.00121	1	03/30/2018 05:54	WG1091310
Bromochloromethane	U		0.000472	0.00605	1	03/30/2018 05:54	WG1091310
Bromoform	U		0.000513	0.00121	1	03/30/2018 05:54	WG1091310
Bromomethane	U		0.00162	0.00605	1	03/30/2018 05:54	WG1091310
n-Butylbenzene	U		0.000312	0.00121	1	03/30/2018 05:54	WG1091310
sec-Butylbenzene	U		0.000243	0.00121	1	03/30/2018 05:54	WG1091310
tert-Butylbenzene	U		0.000249	0.00121	1	03/30/2018 05:54	WG1091310
Carbon disulfide	0.000363	J	0.000267	0.00121	1	03/30/2018 05:54	WG1091310
Carbon tetrachloride	U		0.000397	0.00121	1	03/30/2018 05:54	WG1091310
Chlorobenzene	U		0.000256	0.00121	1	03/30/2018 05:54	WG1091310
Chlorodibromomethane	U		0.000451	0.00121	1	03/30/2018 05:54	WG1091310
Chloroethane	U		0.00114	0.00605	1	03/30/2018 05:54	WG1091310
Chloroform	U		0.000277	0.00605	1	03/30/2018 05:54	WG1091310
Chloromethane	U		0.000454	0.00302	1	03/30/2018 05:54	WG1091310
2-Chlorotoluene	U		0.000364	0.00121	1	03/30/2018 05:54	WG1091310
4-Chlorotoluene	U		0.000290	0.00121	1	03/30/2018 05:54	WG1091310
1,2-Dibromo-3-Chloropropane	U		0.00127	0.00605	1	03/30/2018 05:54	WG1091310
1,2-Dibromoethane	U		0.000415	0.00121	1	03/30/2018 05:54	WG1091310
Dibromomethane	U		0.000462	0.00121	1	03/30/2018 05:54	WG1091310
1,2-Dichlorobenzene	U		0.000369	0.00121	1	03/30/2018 05:54	WG1091310
1,3-Dichlorobenzene	U		0.000289	0.00121	1	03/30/2018 05:54	WG1091310
1,4-Dichlorobenzene	U		0.000273	0.00121	1	03/30/2018 05:54	WG1091310
Dichlorodifluoromethane	U		0.000863	0.00605	1	03/30/2018 05:54	WG1091310
1,1-Dichloroethane	U		0.000241	0.00121	1	03/30/2018 05:54	WG1091310
1,2-Dichloroethane	U		0.000321	0.00121	1	03/30/2018 05:54	WG1091310
1,1-Dichloroethene	U		0.000367	0.00121	1	03/30/2018 05:54	WG1091310
cis-1,2-Dichloroethene	0.000737	J	0.000284	0.00121	1	03/30/2018 05:54	WG1091310
trans-1,2-Dichloroethene	U		0.000319	0.00121	1	03/30/2018 05:54	WG1091310
1,2-Dichloropropane	U		0.000433	0.00121	1	03/30/2018 05:54	WG1091310
1,1-Dichloropropene	U		0.000384	0.00121	1	03/30/2018 05:54	WG1091310
1,3-Dichloropropane	U		0.000250	0.00121	1	03/30/2018 05:54	WG1091310
cis-1,3-Dichloropropene	U		0.000317	0.00121	1	03/30/2018 05:54	WG1091310
trans-1,3-Dichloropropene	U		0.000323	0.00121	1	03/30/2018 05:54	WG1091310
trans-1,4-Dichloro-2-butene	U		0.000941	0.00302	1	03/30/2018 05:54	WG1091310
2,2-Dichloropropane	U		0.000338	0.00121	1	03/30/2018 05:54	WG1091310
Di-isopropyl ether	U		0.000300	0.00121	1	03/30/2018 05:54	WG1091310
Ethylbenzene	U		0.000359	0.00121	1	03/30/2018 05:54	WG1091310
Hexachloro-1,3-butadiene	U		0.000414	0.00121	1	03/30/2018 05:54	WG1091310
2-Hexanone	U		0.00166	0.0121	1	03/30/2018 05:54	WG1091310
n-Hexane	U		0.000351	0.0121	1	03/30/2018 05:54	WG1091310
Iodomethane	U		0.00306	0.0121	1	03/30/2018 05:54	WG1091310
Isopropylbenzene	U		0.000294	0.00121	1	03/30/2018 05:54	WG1091310
p-Isopropyltoluene	U		0.000247	0.00121	1	03/30/2018 05:54	WG1091310
2-Butanone (MEK)	U		0.00566	0.0121	1	03/30/2018 05:54	WG1091310
Methylene Chloride	U		0.00121	0.00605	1	03/30/2018 05:54	WG1091310
4-Methyl-2-pentanone (MIBK)	U		0.00227	0.0121	1	03/30/2018 05:54	WG1091310

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000256	0.00121	1	03/30/2018 05:54	WG1091310
Naphthalene	U		0.00121	0.00605	1	03/30/2018 05:54	WG1091310
n-Propylbenzene	U		0.000249	0.00121	1	03/30/2018 05:54	WG1091310
Styrene	U		0.000283	0.00121	1	03/30/2018 05:54	WG1091310
1,1,1,2-Tetrachloroethane	U		0.000319	0.00121	1	03/30/2018 05:54	WG1091310
1,1,2,2-Tetrachloroethane	U		0.000442	0.00121	1	03/30/2018 05:54	WG1091310
1,1,2-Trichlorotrifluoroethane	U		0.000442	0.00121	1	03/30/2018 05:54	WG1091310
Tetrachloroethene	0.00462		0.000334	0.00121	1	04/01/2018 15:44	WG1091310
Toluene	U		0.000525	0.00605	1	03/30/2018 05:54	WG1091310
1,2,3-Trichlorobenzene	U		0.000370	0.00121	1	03/30/2018 05:54	WG1091310
1,2,4-Trichlorobenzene	U		0.000469	0.00121	1	03/30/2018 05:54	WG1091310
1,1,1-Trichloroethane	U		0.000346	0.00121	1	03/30/2018 05:54	WG1091310
1,1,2-Trichloroethane	U		0.000335	0.00121	1	03/30/2018 05:54	WG1091310
Trichloroethene	U		0.000338	0.00121	1	03/30/2018 05:54	WG1091310
Trichlorofluoromethane	U		0.000462	0.00605	1	03/30/2018 05:54	WG1091310
1,2,3-Trichloropropane	U		0.000896	0.00302	1	03/30/2018 05:54	WG1091310
1,2,4-Trimethylbenzene	U		0.000255	0.00121	1	03/30/2018 05:54	WG1091310
1,2,3-Trimethylbenzene	U		0.000347	0.00121	1	03/30/2018 05:54	WG1091310
1,3,5-Trimethylbenzene	U		0.000322	0.00121	1	03/30/2018 05:54	WG1091310
Vinyl acetate	U		0.00289	0.0121	1	03/30/2018 05:54	WG1091310
Vinyl chloride	0.000712	J	0.000352	0.00121	1	03/30/2018 05:54	WG1091310
Xylenes, Total	U		0.000844	0.00363	1	03/30/2018 05:54	WG1091310
(S) Toluene-d8	*97.7*			*80.0-120*		*03/30/2018 05:54*	WG1091310
(S) Toluene-d8	*103*			*80.0-120*		*04/01/2018 15:44*	WG1091310
(S) Dibromofluoromethane	*106*			*74.0-131*		*04/01/2018 15:44*	WG1091310
(S) Dibromofluoromethane	*107*			*74.0-131*		*03/30/2018 05:54*	WG1091310
(S) 4-Bromofluorobenzene	*103*			*64.0-132*		*04/01/2018 15:44*	WG1091310
(S) 4-Bromofluorobenzene	*105*			*64.0-132*		*03/30/2018 05:54*	WG1091310

Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch
Analyte	%			date / time	
Total Solids	95.1		1	03/30/2018 16:43	WG1091660

Volatile Organic Compounds (GC/MS) by Method 8260C

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0105	0.0526	1	03/30/2018 06:15	WG1091310
Acrylonitrile	U		0.00188	0.0105	1	03/30/2018 06:15	WG1091310
Benzene	U		0.000284	0.00105	1	03/30/2018 06:15	WG1091310
Bromobenzene	U		0.000299	0.00105	1	03/30/2018 06:15	WG1091310
Bromodichloromethane	U		0.000267	0.00105	1	03/30/2018 06:15	WG1091310
Bromochloromethane	U		0.000410	0.00526	1	03/30/2018 06:15	WG1091310
Bromoform	U		0.000446	0.00105	1	03/30/2018 06:15	WG1091310
Bromomethane	U		0.00141	0.00526	1	03/30/2018 06:15	WG1091310
n-Butylbenzene	U		0.000271	0.00105	1	03/30/2018 06:15	WG1091310
sec-Butylbenzene	U		0.000211	0.00105	1	03/30/2018 06:15	WG1091310
tert-Butylbenzene	U		0.000217	0.00105	1	03/30/2018 06:15	WG1091310
Carbon disulfide	0.000999	J	0.000232	0.00105	1	03/30/2018 06:15	WG1091310
Carbon tetrachloride	U		0.000345	0.00105	1	03/30/2018 06:15	WG1091310
Chlorobenzene	U		0.000223	0.00105	1	03/30/2018 06:15	WG1091310
Chlorodibromomethane	U		0.000392	0.00105	1	03/30/2018 06:15	WG1091310
Chloroethane	U		0.000994	0.00526	1	03/30/2018 06:15	WG1091310
Chloroform	U		0.000241	0.00526	1	03/30/2018 06:15	WG1091310
Chloromethane	U		0.000394	0.00263	1	03/30/2018 06:15	WG1091310
2-Chlorotoluene	U		0.000316	0.00105	1	03/30/2018 06:15	WG1091310
4-Chlorotoluene	U		0.000252	0.00105	1	03/30/2018 06:15	WG1091310
1,2-Dibromo-3-Chloropropane	U		0.00110	0.00526	1	03/30/2018 06:15	WG1091310
1,2-Dibromoethane	U		0.000361	0.00105	1	03/30/2018 06:15	WG1091310
Dibromomethane	U		0.000402	0.00105	1	03/30/2018 06:15	WG1091310
1,2-Dichlorobenzene	U		0.000321	0.00105	1	03/30/2018 06:15	WG1091310
1,3-Dichlorobenzene	U		0.000251	0.00105	1	03/30/2018 06:15	WG1091310
1,4-Dichlorobenzene	U		0.000238	0.00105	1	03/30/2018 06:15	WG1091310
Dichlorodifluoromethane	U		0.000749	0.00526	1	03/30/2018 06:15	WG1091310
1,1-Dichloroethane	U		0.000209	0.00105	1	03/30/2018 06:15	WG1091310
1,2-Dichloroethane	U		0.000279	0.00105	1	03/30/2018 06:15	WG1091310
1,1-Dichloroethene	0.000329	J	0.000319	0.00105	1	03/30/2018 06:15	WG1091310
cis-1,2-Dichloroethene	0.00149		0.000247	0.00105	1	03/30/2018 06:15	WG1091310
trans-1,2-Dichloroethene	U		0.000278	0.00105	1	03/30/2018 06:15	WG1091310
1,2-Dichloropropane	U		0.000376	0.00105	1	03/30/2018 06:15	WG1091310
1,1-Dichloropropene	U		0.000333	0.00105	1	03/30/2018 06:15	WG1091310
1,3-Dichloropropane	U		0.000218	0.00105	1	03/30/2018 06:15	WG1091310
cis-1,3-Dichloropropene	U		0.000275	0.00105	1	03/30/2018 06:15	WG1091310
trans-1,3-Dichloropropene	U		0.000281	0.00105	1	03/30/2018 06:15	WG1091310
trans-1,4-Dichloro-2-butene	U		0.000818	0.00263	1	03/30/2018 06:15	WG1091310
2,2-Dichloropropane	U		0.000293	0.00105	1	03/30/2018 06:15	WG1091310
Di-isopropyl ether	U		0.000261	0.00105	1	03/30/2018 06:15	WG1091310
Ethylbenzene	U		0.000312	0.00105	1	03/30/2018 06:15	WG1091310
Hexachloro-1,3-butadiene	U		0.000359	0.00105	1	03/30/2018 06:15	WG1091310
2-Hexanone	U		0.00144	0.0105	1	03/30/2018 06:15	WG1091310
n-Hexane	0.000618	J	0.000305	0.0105	1	03/30/2018 06:15	WG1091310
Iodomethane	U		0.00266	0.0105	1	03/30/2018 06:15	WG1091310
Isopropylbenzene	U		0.000255	0.00105	1	03/30/2018 06:15	WG1091310
p-Isopropyltoluene	U		0.000214	0.00105	1	03/30/2018 06:15	WG1091310
2-Butanone (MEK)	U		0.00492	0.0105	1	03/30/2018 06:15	WG1091310
Methylene Chloride	U		0.00105	0.00526	1	03/30/2018 06:15	WG1091310
4-Methyl-2-pentanone (MIBK)	U		0.00198	0.0105	1	03/30/2018 06:15	WG1091310

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000223	0.00105	1	03/30/2018 06:15	WG1091310
Naphthalene	U		0.00105	0.00526	1	03/30/2018 06:15	WG1091310
n-Propylbenzene	U		0.000217	0.00105	1	03/30/2018 06:15	WG1091310
Styrene	U		0.000246	0.00105	1	03/30/2018 06:15	WG1091310
1,1,1,2-Tetrachloroethane	U		0.000278	0.00105	1	03/30/2018 06:15	WG1091310
1,1,2,2-Tetrachloroethane	U		0.000384	0.00105	1	03/30/2018 06:15	WG1091310
1,1,2-Trichlorotrifluoroethane	U		0.000384	0.00105	1	03/30/2018 06:15	WG1091310
Tetrachloroethene	2.36		0.0145	0.0526	50	04/01/2018 18:54	WG1091310
Toluene	U		0.000456	0.00526	1	03/30/2018 06:15	WG1091310
1,2,3-Trichlorobenzene	U		0.000322	0.00105	1	03/30/2018 06:15	WG1091310
1,2,4-Trichlorobenzene	U		0.000408	0.00105	1	03/30/2018 06:15	WG1091310
1,1,1-Trichloroethane	U		0.000301	0.00105	1	03/30/2018 06:15	WG1091310
1,1,2-Trichloroethane	U		0.000291	0.00105	1	03/30/2018 06:15	WG1091310
Trichloroethene	0.0147		0.000293	0.00105	1	03/30/2018 06:15	WG1091310
Trichlorofluoromethane	U		0.000402	0.00526	1	03/30/2018 06:15	WG1091310
1,2,3-Trichloropropane	U		0.000779	0.00263	1	03/30/2018 06:15	WG1091310
1,2,4-Trimethylbenzene	U		0.000222	0.00105	1	03/30/2018 06:15	WG1091310
1,2,3-Trimethylbenzene	U		0.000302	0.00105	1	03/30/2018 06:15	WG1091310
1,3,5-Trimethylbenzene	U		0.000280	0.00105	1	03/30/2018 06:15	WG1091310
Vinyl acetate	U		0.00251	0.0105	1	03/30/2018 06:15	WG1091310
Vinyl chloride	U		0.000306	0.00105	1	03/30/2018 06:15	WG1091310
Xylenes, Total	U		0.000734	0.00315	1	03/30/2018 06:15	WG1091310
(S) Toluene-d8	*95.5*			*80.0-120*		*04/01/2018 18:54*	WG1091310
(S) Toluene-d8	*97.4*			*80.0-120*		*03/30/2018 06:15*	WG1091310
(S) Dibromofluoromethane	*97.2*			*74.0-131*		*04/01/2018 18:54*	WG1091310
(S) Dibromofluoromethane	*109*			*74.0-131*		*03/30/2018 06:15*	WG1091310
(S) 4-Bromofluorobenzene	*99.4*			*64.0-132*		*04/01/2018 18:54*	WG1091310
(S) 4-Bromofluorobenzene	*106*			*64.0-132*		*03/30/2018 06:15*	WG1091310

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	87.9		1	03/30/2018 16:43	WG1091660

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		56.9	284	5000	04/01/2018 19:15	WG1091310
Acrylonitrile	U		10.2	56.9	5000	04/01/2018 19:15	WG1091310
Benzene	U		1.54	5.69	5000	04/01/2018 19:15	WG1091310
Bromobenzene	U		1.62	5.69	5000	04/01/2018 19:15	WG1091310
Bromodichloromethane	U		1.44	5.69	5000	04/01/2018 19:15	WG1091310
Bromochloromethane	U		2.22	28.4	5000	04/01/2018 19:15	WG1091310
Bromoform	U		2.41	5.69	5000	04/01/2018 19:15	WG1091310
Bromomethane	U		7.62	28.4	5000	04/01/2018 19:15	WG1091310
n-Butylbenzene	U		1.47	5.69	5000	04/01/2018 19:15	WG1091310
sec-Butylbenzene	U		1.14	5.69	5000	04/01/2018 19:15	WG1091310
tert-Butylbenzene	U		1.17	5.69	5000	04/01/2018 19:15	WG1091310
Carbon disulfide	U		1.25	5.69	5000	04/01/2018 19:15	WG1091310
Carbon tetrachloride	U		1.87	5.69	5000	04/01/2018 19:15	WG1091310
Chlorobenzene	U		1.21	5.69	5000	04/01/2018 19:15	WG1091310
Chlorodibromomethane	U		2.12	5.69	5000	04/01/2018 19:15	WG1091310
Chloroethane	U		5.38	28.4	5000	04/01/2018 19:15	WG1091310
Chloroform	U		1.30	28.4	5000	04/01/2018 19:15	WG1091310
Chloromethane	U		2.14	14.2	5000	04/01/2018 19:15	WG1091310
2-Chlorotoluene	U		1.71	5.69	5000	04/01/2018 19:15	WG1091310
4-Chlorotoluene	U		1.37	5.69	5000	04/01/2018 19:15	WG1091310
1,2-Dibromo-3-Chloropropane	U		5.97	28.4	5000	04/01/2018 19:15	WG1091310
1,2-Dibromoethane	U	J4	1.96	5.69	5000	04/01/2018 19:15	WG1091310
Dibromomethane	U		2.17	5.69	5000	04/01/2018 19:15	WG1091310
1,2-Dichlorobenzene	U		1.73	5.69	5000	04/01/2018 19:15	WG1091310
1,3-Dichlorobenzene	U		1.37	5.69	5000	04/01/2018 19:15	WG1091310
1,4-Dichlorobenzene	U		1.29	5.69	5000	04/01/2018 19:15	WG1091310
Dichlorodifluoromethane	U		4.05	28.4	5000	04/01/2018 19:15	WG1091310
1,1-Dichloroethane	U		1.13	5.69	5000	04/01/2018 19:15	WG1091310
1,2-Dichloroethane	U		1.50	5.69	5000	04/01/2018 19:15	WG1091310
1,1-Dichloroethene	U		1.73	5.69	5000	04/01/2018 19:15	WG1091310
cis-1,2-Dichloroethene	2.47	J	1.34	5.69	5000	04/01/2018 19:15	WG1091310
trans-1,2-Dichloroethene	U		1.50	5.69	5000	04/01/2018 19:15	WG1091310
1,2-Dichloropropane	U		2.04	5.69	5000	04/01/2018 19:15	WG1091310
1,1-Dichloropropene	U		1.80	5.69	5000	04/01/2018 19:15	WG1091310
1,3-Dichloropropane	U		1.18	5.69	5000	04/01/2018 19:15	WG1091310
cis-1,3-Dichloropropene	U		1.49	5.69	5000	04/01/2018 19:15	WG1091310
trans-1,3-Dichloropropene	U		1.52	5.69	5000	04/01/2018 19:15	WG1091310
trans-1,4-Dichloro-2-butene	U	J4	4.43	14.2	5000	04/01/2018 19:15	WG1091310
2,2-Dichloropropane	U		1.59	5.69	5000	04/01/2018 19:15	WG1091310
Di-isopropyl ether	U		1.41	5.69	5000	04/01/2018 19:15	WG1091310
Ethylbenzene	U		1.68	5.69	5000	04/01/2018 19:15	WG1091310
Hexachloro-1,3-butadiene	U		1.95	5.69	5000	04/01/2018 19:15	WG1091310
2-Hexanone	U	J3	7.79	56.9	5000	04/01/2018 19:15	WG1091310
n-Hexane	U		1.65	56.9	5000	04/01/2018 19:15	WG1091310
Iodomethane	U		14.3	56.9	5000	04/01/2018 19:15	WG1091310
Isopropylbenzene	U		1.39	5.69	5000	04/01/2018 19:15	WG1091310
p-Isopropyltoluene	U		1.16	5.69	5000	04/01/2018 19:15	WG1091310
2-Butanone (MEK)	U		26.6	56.9	5000	04/01/2018 19:15	WG1091310
Methylene Chloride	U		5.69	28.4	5000	04/01/2018 19:15	WG1091310
4-Methyl-2-pentanone (MIBK)	U	J3	10.7	56.9	5000	04/01/2018 19:15	WG1091310

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		1.21	5.69	5000	04/01/2018 19:15	WG1091310
Naphthalene	U		5.69	28.4	5000	04/01/2018 19:15	WG1091310
n-Propylbenzene	U		1.17	5.69	5000	04/01/2018 19:15	WG1091310
Styrene	U		1.33	5.69	5000	04/01/2018 19:15	WG1091310
1,1,1,2-Tetrachloroethane	U		1.50	5.69	5000	04/01/2018 19:15	WG1091310
1,1,2,2-Tetrachloroethane	U		2.07	5.69	5000	04/01/2018 19:15	WG1091310
1,1,2-Trichlorotrifluoroethane	U		2.07	5.69	5000	04/01/2018 19:15	WG1091310
Tetrachloroethene	261		1.57	5.69	5000	04/01/2018 19:15	WG1091310
Toluene	U		2.47	28.4	5000	04/01/2018 19:15	WG1091310
1,2,3-Trichlorobenzene	U		1.74	5.69	5000	04/01/2018 19:15	WG1091310
1,2,4-Trichlorobenzene	U		2.21	5.69	5000	04/01/2018 19:15	WG1091310
1,1,1-Trichloroethane	U		1.63	5.69	5000	04/01/2018 19:15	WG1091310
1,1,2-Trichloroethane	U		1.57	5.69	5000	04/01/2018 19:15	WG1091310
Trichloroethene	U	J4	1.59	5.69	5000	04/01/2018 19:15	WG1091310
Trichlorofluoromethane	U		2.17	28.4	5000	04/01/2018 19:15	WG1091310
1,2,3-Trichloropropane	U		4.21	14.2	5000	04/01/2018 19:15	WG1091310
1,2,4-Trimethylbenzene	U		1.21	5.69	5000	04/01/2018 19:15	WG1091310
1,2,3-Trimethylbenzene	U		1.64	5.69	5000	04/01/2018 19:15	WG1091310
1,3,5-Trimethylbenzene	U		1.51	5.69	5000	04/01/2018 19:15	WG1091310
Vinyl acetate	U		13.7	56.9	5000	04/01/2018 19:15	WG1091310
Vinyl chloride	U		1.66	5.69	5000	04/01/2018 19:15	WG1091310
Xylenes, Total	U	J4	3.97	17.1	5000	04/01/2018 19:15	WG1091310
(S) Toluene-d8	*106*			*80.0-120*		*04/01/2018 19:15*	WG1091310
(S) Dibromofluoromethane	*96.1*			*74.0-131*		*04/01/2018 19:15*	WG1091310
(S) 4-Bromofluorobenzene	*100*			*64.0-132*		*04/01/2018 19:15*	WG1091310

Sample Narrative:

L980722-09 WG1091310: Cannot be analyzed at a lower dilution due to high levels of target analytes.

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	100		1	03/30/2018 16:43	WG1091660

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.0203	J	0.0100	0.0500	1	03/30/2018 06:36	WG1091310
Acrylonitrile	U		0.00179	0.0100	1	03/30/2018 06:36	WG1091310
Benzene	0.000504	J	0.000270	0.00100	1	03/30/2018 06:36	WG1091310
Bromobenzene	U		0.000284	0.00100	1	03/30/2018 06:36	WG1091310
Bromodichloromethane	U		0.000254	0.00100	1	03/30/2018 06:36	WG1091310
Bromochloromethane	U		0.000390	0.00500	1	03/30/2018 06:36	WG1091310
Bromoform	U		0.000424	0.00100	1	03/30/2018 06:36	WG1091310
Bromomethane	U		0.00134	0.00500	1	03/30/2018 06:36	WG1091310
n-Butylbenzene	U		0.000258	0.00100	1	03/30/2018 06:36	WG1091310
sec-Butylbenzene	U		0.000201	0.00100	1	03/30/2018 06:36	WG1091310
tert-Butylbenzene	U		0.000206	0.00100	1	03/30/2018 06:36	WG1091310
Carbon disulfide	0.00218		0.000221	0.00100	1	03/30/2018 06:36	WG1091310
Carbon tetrachloride	U		0.000328	0.00100	1	03/30/2018 06:36	WG1091310
Chlorobenzene	U		0.000212	0.00100	1	03/30/2018 06:36	WG1091310
Chlorodibromomethane	U		0.000373	0.00100	1	03/30/2018 06:36	WG1091310
Chloroethane	U		0.000946	0.00500	1	03/30/2018 06:36	WG1091310
Chloroform	U		0.000229	0.00500	1	03/30/2018 06:36	WG1091310
Chloromethane	U		0.000375	0.00250	1	03/30/2018 06:36	WG1091310
2-Chlorotoluene	U		0.000301	0.00100	1	03/30/2018 06:36	WG1091310
4-Chlorotoluene	U		0.000240	0.00100	1	03/30/2018 06:36	WG1091310
1,2-Dibromo-3-Chloropropane	U		0.00105	0.00500	1	03/30/2018 06:36	WG1091310
1,2-Dibromoethane	U		0.000343	0.00100	1	03/30/2018 06:36	WG1091310
Dibromomethane	U		0.000382	0.00100	1	03/30/2018 06:36	WG1091310
1,2-Dichlorobenzene	U		0.000305	0.00100	1	03/30/2018 06:36	WG1091310
1,3-Dichlorobenzene	U		0.000239	0.00100	1	03/30/2018 06:36	WG1091310
1,4-Dichlorobenzene	U		0.000226	0.00100	1	03/30/2018 06:36	WG1091310
Dichlorodifluoromethane	U		0.000713	0.00500	1	03/30/2018 06:36	WG1091310
1,1-Dichloroethane	U		0.000199	0.00100	1	03/30/2018 06:36	WG1091310
1,2-Dichloroethane	U		0.000265	0.00100	1	03/30/2018 06:36	WG1091310
1,1-Dichloroethene	0.00222		0.000303	0.00100	1	03/30/2018 06:36	WG1091310
cis-1,2-Dichloroethene	2.05		0.0588	0.250	250	04/01/2018 19:36	WG1091310
trans-1,2-Dichloroethene	0.00309		0.000264	0.00100	1	03/30/2018 06:36	WG1091310
1,2-Dichloropropane	U		0.000358	0.00100	1	03/30/2018 06:36	WG1091310
1,1-Dichloropropene	U		0.000317	0.00100	1	03/30/2018 06:36	WG1091310
1,3-Dichloropropane	U		0.000207	0.00100	1	03/30/2018 06:36	WG1091310
cis-1,3-Dichloropropene	U		0.000262	0.00100	1	03/30/2018 06:36	WG1091310
trans-1,3-Dichloropropene	U		0.000267	0.00100	1	03/30/2018 06:36	WG1091310
trans-1,4-Dichloro-2-butene	U		0.000778	0.00250	1	03/30/2018 06:36	WG1091310
2,2-Dichloropropane	U		0.000279	0.00100	1	03/30/2018 06:36	WG1091310
Di-isopropyl ether	U		0.000248	0.00100	1	03/30/2018 06:36	WG1091310
Ethylbenzene	U		0.000297	0.00100	1	03/30/2018 06:36	WG1091310
Hexachloro-1,3-butadiene	U		0.000342	0.00100	1	03/30/2018 06:36	WG1091310
2-Hexanone	U		0.00137	0.0100	1	03/30/2018 06:36	WG1091310
n-Hexane	U		0.000290	0.0100	1	03/30/2018 06:36	WG1091310
Iodomethane	U		0.00253	0.0100	1	03/30/2018 06:36	WG1091310
Isopropylbenzene	U		0.000243	0.00100	1	03/30/2018 06:36	WG1091310
p-Isopropyltoluene	U		0.000204	0.00100	1	03/30/2018 06:36	WG1091310
2-Butanone (MEK)	U		0.00468	0.0100	1	03/30/2018 06:36	WG1091310
Methylene Chloride	U		0.00100	0.00500	1	03/30/2018 06:36	WG1091310
4-Methyl-2-pentanone (MIBK)	U		0.00188	0.0100	1	03/30/2018 06:36	WG1091310

IW-46B-50
Collected date/time: 03/20/18 14:59

SAMPLE RESULTS - 10

L980722

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000212	0.00100	1	03/30/2018 06:36	WG1091310
Naphthalene	U		0.00100	0.00500	1	03/30/2018 06:36	WG1091310
n-Propylbenzene	U		0.000206	0.00100	1	03/30/2018 06:36	WG1091310
Styrene	U		0.000234	0.00100	1	03/30/2018 06:36	WG1091310
1,1,1,2-Tetrachloroethane	U		0.000264	0.00100	1	03/30/2018 06:36	WG1091310
1,1,2,2-Tetrachloroethane	U		0.000365	0.00100	1	03/30/2018 06:36	WG1091310
1,1,2-Trichlorotrifluoroethane	U		0.000365	0.00100	1	03/30/2018 06:36	WG1091310
Tetrachloroethene	2.31		0.0690	0.250	250	04/01/2018 19:36	WG1091310
Toluene	0.000577	J	0.000434	0.00500	1	03/30/2018 06:36	WG1091310
1,2,3-Trichlorobenzene	U		0.000306	0.00100	1	03/30/2018 06:36	WG1091310
1,2,4-Trichlorobenzene	U		0.000388	0.00100	1	03/30/2018 06:36	WG1091310
1,1,1-Trichloroethane	U		0.000286	0.00100	1	03/30/2018 06:36	WG1091310
1,1,2-Trichloroethane	U		0.000277	0.00100	1	03/30/2018 06:36	WG1091310
Trichloroethene	0.0168		0.000279	0.00100	1	03/30/2018 06:36	WG1091310
Trichlorofluoromethane	U		0.000382	0.00500	1	03/30/2018 06:36	WG1091310
1,2,3-Trichloropropane	U		0.000741	0.00250	1	03/30/2018 06:36	WG1091310
1,2,4-Trimethylbenzene	U		0.000211	0.00100	1	03/30/2018 06:36	WG1091310
1,2,3-Trimethylbenzene	U		0.000287	0.00100	1	03/30/2018 06:36	WG1091310
1,3,5-Trimethylbenzene	U		0.000266	0.00100	1	03/30/2018 06:36	WG1091310
Vinyl acetate	U		0.00239	0.0100	1	03/30/2018 06:36	WG1091310
Vinyl chloride	1.65		0.0728	0.250	250	04/01/2018 19:36	WG1091310
Xylenes, Total	U		0.000698	0.00300	1	03/30/2018 06:36	WG1091310
(S) Toluene-d8	*99.3*			*80.0-120*		*03/30/2018 06:36*	WG1091310
(S) Toluene-d8	*107*			*80.0-120*		*04/01/2018 19:36*	WG1091310
(S) Dibromofluoromethane	*105*			*74.0-131*		*03/30/2018 06:36*	WG1091310
(S) Dibromofluoromethane	*96.3*			*74.0-131*		*04/01/2018 19:36*	WG1091310
(S) 4-Bromofluorobenzene	*107*			*64.0-132*		*03/30/2018 06:36*	WG1091310
(S) 4-Bromofluorobenzene	*102*			*64.0-132*		*04/01/2018 19:36*	WG1091310

IW-46B-55

Collected date/time: 03/20/18 15:05

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	89.7		1	03/30/2018 16:43	WG1091660

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.0159	J	0.0112	0.0558	1	03/30/2018 06:57	WG1091310
Acrylonitrile	U		0.00200	0.0112	1	03/30/2018 06:57	WG1091310
Benzene	0.000305	J	0.000301	0.00112	1	03/30/2018 06:57	WG1091310
Bromobenzene	U		0.000317	0.00112	1	03/30/2018 06:57	WG1091310
Bromodichloromethane	U		0.000283	0.00112	1	03/30/2018 06:57	WG1091310
Bromochloromethane	U		0.000435	0.00558	1	03/30/2018 06:57	WG1091310
Bromoform	U		0.000473	0.00112	1	03/30/2018 06:57	WG1091310
Bromomethane	U		0.00149	0.00558	1	03/30/2018 06:57	WG1091310
n-Butylbenzene	U		0.000288	0.00112	1	03/30/2018 06:57	WG1091310
sec-Butylbenzene	U		0.000224	0.00112	1	03/30/2018 06:57	WG1091310
tert-Butylbenzene	U		0.000230	0.00112	1	03/30/2018 06:57	WG1091310
Carbon disulfide	0.00266		0.000246	0.00112	1	03/30/2018 06:57	WG1091310
Carbon tetrachloride	U		0.000366	0.00112	1	03/30/2018 06:57	WG1091310
Chlorobenzene	U		0.000236	0.00112	1	03/30/2018 06:57	WG1091310
Chlorodibromomethane	U		0.000416	0.00112	1	03/30/2018 06:57	WG1091310
Chloroethane	U		0.00105	0.00558	1	03/30/2018 06:57	WG1091310
Chloroform	U		0.000255	0.00558	1	03/30/2018 06:57	WG1091310
Chloromethane	U		0.000418	0.00279	1	03/30/2018 06:57	WG1091310
2-Chlorotoluene	U		0.000336	0.00112	1	03/30/2018 06:57	WG1091310
4-Chlorotoluene	U		0.000268	0.00112	1	03/30/2018 06:57	WG1091310
1,2-Dibromo-3-Chloropropane	U		0.00117	0.00558	1	03/30/2018 06:57	WG1091310
1,2-Dibromoethane	U		0.000382	0.00112	1	03/30/2018 06:57	WG1091310
Dibromomethane	U		0.000426	0.00112	1	03/30/2018 06:57	WG1091310
1,2-Dichlorobenzene	U		0.000340	0.00112	1	03/30/2018 06:57	WG1091310
1,3-Dichlorobenzene	U		0.000267	0.00112	1	03/30/2018 06:57	WG1091310
1,4-Dichlorobenzene	U		0.000252	0.00112	1	03/30/2018 06:57	WG1091310
Dichlorodifluoromethane	U		0.000795	0.00558	1	03/30/2018 06:57	WG1091310
1,1-Dichloroethane	U		0.000222	0.00112	1	03/30/2018 06:57	WG1091310
1,2-Dichloroethane	U		0.000296	0.00112	1	03/30/2018 06:57	WG1091310
1,1-Dichloroethene	0.00185		0.000338	0.00112	1	03/30/2018 06:57	WG1091310
cis-1,2-Dichloroethene	1.06		0.0656	0.279	250	04/01/2018 19:57	WG1091310
trans-1,2-Dichloroethene	0.000783	J	0.000294	0.00112	1	03/30/2018 06:57	WG1091310
1,2-Dichloropropane	U		0.000399	0.00112	1	03/30/2018 06:57	WG1091310
1,1-Dichloropropene	U		0.000353	0.00112	1	03/30/2018 06:57	WG1091310
1,3-Dichloropropane	U		0.000231	0.00112	1	03/30/2018 06:57	WG1091310
cis-1,3-Dichloropropene	U		0.000292	0.00112	1	03/30/2018 06:57	WG1091310
trans-1,3-Dichloropropene	U		0.000298	0.00112	1	03/30/2018 06:57	WG1091310
trans-1,4-Dichloro-2-butene	U		0.000868	0.00279	1	03/30/2018 06:57	WG1091310
2,2-Dichloropropane	U		0.000311	0.00112	1	03/30/2018 06:57	WG1091310
Di-isopropyl ether	U		0.000277	0.00112	1	03/30/2018 06:57	WG1091310
Ethylbenzene	U		0.000331	0.00112	1	03/30/2018 06:57	WG1091310
Hexachloro-1,3-butadiene	U		0.000381	0.00112	1	03/30/2018 06:57	WG1091310
2-Hexanone	U		0.00153	0.0112	1	03/30/2018 06:57	WG1091310
n-Hexane	U		0.000323	0.0112	1	03/30/2018 06:57	WG1091310
Iodomethane	U		0.00282	0.0112	1	03/30/2018 06:57	WG1091310
Isopropylbenzene	U		0.000271	0.00112	1	03/30/2018 06:57	WG1091310
p-Isopropyltoluene	U		0.000227	0.00112	1	03/30/2018 06:57	WG1091310
2-Butanone (MEK)	U		0.00522	0.0112	1	03/30/2018 06:57	WG1091310
Methylene Chloride	U		0.00112	0.00558	1	03/30/2018 06:57	WG1091310
4-Methyl-2-pentanone (MIBK)	U		0.00210	0.0112	1	03/30/2018 06:57	WG1091310

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000236	0.00112	1	03/30/2018 06:57	WG1091310
Naphthalene	U		0.00112	0.00558	1	03/30/2018 06:57	WG1091310
n-Propylbenzene	U		0.000230	0.00112	1	03/30/2018 06:57	WG1091310
Styrene	U		0.000261	0.00112	1	03/30/2018 06:57	WG1091310
1,1,1,2-Tetrachloroethane	U		0.000294	0.00112	1	03/30/2018 06:57	WG1091310
1,1,2,2-Tetrachloroethane	U		0.000407	0.00112	1	03/30/2018 06:57	WG1091310
1,1,2-Trichlorotrifluoroethane	U		0.000407	0.00112	1	03/30/2018 06:57	WG1091310
Tetrachloroethene	14.3		0.0769	0.279	250	04/01/2018 19:57	WG1091310
Toluene	U		0.000484	0.00558	1	03/30/2018 06:57	WG1091310
1,2,3-Trichlorobenzene	U		0.000341	0.00112	1	03/30/2018 06:57	WG1091310
1,2,4-Trichlorobenzene	U		0.000433	0.00112	1	03/30/2018 06:57	WG1091310
1,1,1-Trichloroethane	U		0.000319	0.00112	1	03/30/2018 06:57	WG1091310
1,1,2-Trichloroethane	U		0.000309	0.00112	1	03/30/2018 06:57	WG1091310
Trichloroethene	0.0266		0.000311	0.00112	1	03/30/2018 06:57	WG1091310
Trichlorofluoromethane	U		0.000426	0.00558	1	03/30/2018 06:57	WG1091310
1,2,3-Trichloropropane	U		0.000826	0.00279	1	03/30/2018 06:57	WG1091310
1,2,4-Trimethylbenzene	0.000290	J	0.000235	0.00112	1	03/30/2018 06:57	WG1091310
1,2,3-Trimethylbenzene	U		0.000320	0.00112	1	03/30/2018 06:57	WG1091310
1,3,5-Trimethylbenzene	U		0.000297	0.00112	1	03/30/2018 06:57	WG1091310
Vinyl acetate	U		0.00267	0.0112	1	03/30/2018 06:57	WG1091310
Vinyl chloride	0.0923		0.000324	0.00112	1	03/30/2018 06:57	WG1091310
Xylenes, Total	U		0.000778	0.00335	1	03/30/2018 06:57	WG1091310
(S) Toluene-d8	*97.8*			*80.0-120*		*03/30/2018 06:57*	WG1091310
(S) Toluene-d8	*108*			*80.0-120*		*04/01/2018 19:57*	WG1091310
(S) Dibromofluoromethane	*105*			*74.0-131*		*03/30/2018 06:57*	WG1091310
(S) Dibromofluoromethane	*97.4*			*74.0-131*		*04/01/2018 19:57*	WG1091310
(S) 4-Bromofluorobenzene	*111*			*64.0-132*		*03/30/2018 06:57*	WG1091310
(S) 4-Bromofluorobenzene	*101*			*64.0-132*		*04/01/2018 19:57*	WG1091310

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	88.5		1	03/30/2018 16:43	WG1091660

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.0123	J	0.0113	0.0565	1	03/30/2018 07:18	WG1091310
Acrylonitrile	U		0.00202	0.0113	1	03/30/2018 07:18	WG1091310
Benzene	U		0.000305	0.00113	1	03/30/2018 07:18	WG1091310
Bromobenzene	U		0.000321	0.00113	1	03/30/2018 07:18	WG1091310
Bromodichloromethane	U		0.000287	0.00113	1	03/30/2018 07:18	WG1091310
Bromochloromethane	U		0.000441	0.00565	1	03/30/2018 07:18	WG1091310
Bromoform	U		0.000479	0.00113	1	03/30/2018 07:18	WG1091310
Bromomethane	U		0.00151	0.00565	1	03/30/2018 07:18	WG1091310
n-Butylbenzene	U		0.000291	0.00113	1	03/30/2018 07:18	WG1091310
sec-Butylbenzene	U		0.000227	0.00113	1	03/30/2018 07:18	WG1091310
tert-Butylbenzene	U		0.000233	0.00113	1	03/30/2018 07:18	WG1091310
Carbon disulfide	0.00171		0.000250	0.00113	1	03/30/2018 07:18	WG1091310
Carbon tetrachloride	U		0.000371	0.00113	1	03/30/2018 07:18	WG1091310
Chlorobenzene	U		0.000239	0.00113	1	03/30/2018 07:18	WG1091310
Chlorodibromomethane	U		0.000421	0.00113	1	03/30/2018 07:18	WG1091310
Chloroethane	U		0.00107	0.00565	1	03/30/2018 07:18	WG1091310
Chloroform	U		0.000259	0.00565	1	03/30/2018 07:18	WG1091310
Chloromethane	U		0.000424	0.00282	1	03/30/2018 07:18	WG1091310
2-Chlorotoluene	U		0.000340	0.00113	1	03/30/2018 07:18	WG1091310
4-Chlorotoluene	U		0.000271	0.00113	1	03/30/2018 07:18	WG1091310
1,2-Dibromo-3-Chloropropane	U		0.00119	0.00565	1	03/30/2018 07:18	WG1091310
1,2-Dibromoethane	U		0.000387	0.00113	1	03/30/2018 07:18	WG1091310
Dibromomethane	U		0.000432	0.00113	1	03/30/2018 07:18	WG1091310
1,2-Dichlorobenzene	U		0.000345	0.00113	1	03/30/2018 07:18	WG1091310
1,3-Dichlorobenzene	U		0.000270	0.00113	1	03/30/2018 07:18	WG1091310
1,4-Dichlorobenzene	U		0.000255	0.00113	1	03/30/2018 07:18	WG1091310
Dichlorodifluoromethane	U		0.000805	0.00565	1	03/30/2018 07:18	WG1091310
1,1-Dichloroethane	U		0.000225	0.00113	1	03/30/2018 07:18	WG1091310
1,2-Dichloroethane	U		0.000299	0.00113	1	03/30/2018 07:18	WG1091310
1,1-Dichloroethene	0.0166		0.000342	0.00113	1	03/30/2018 07:18	WG1091310
cis-1,2-Dichloroethene	4.95		0.0664	0.282	250	04/01/2018 20:19	WG1091310
trans-1,2-Dichloroethene	0.00223		0.000298	0.00113	1	03/30/2018 07:18	WG1091310
1,2-Dichloropropane	U		0.000404	0.00113	1	03/30/2018 07:18	WG1091310
1,1-Dichloropropene	U		0.000358	0.00113	1	03/30/2018 07:18	WG1091310
1,3-Dichloropropane	U		0.000234	0.00113	1	03/30/2018 07:18	WG1091310
cis-1,3-Dichloropropene	U		0.000296	0.00113	1	03/30/2018 07:18	WG1091310
trans-1,3-Dichloropropene	U		0.000302	0.00113	1	03/30/2018 07:18	WG1091310
trans-1,4-Dichloro-2-butene	U		0.000879	0.00282	1	03/30/2018 07:18	WG1091310
2,2-Dichloropropane	U		0.000315	0.00113	1	03/30/2018 07:18	WG1091310
Di-isopropyl ether	U		0.000280	0.00113	1	03/30/2018 07:18	WG1091310
Ethylbenzene	U		0.000335	0.00113	1	03/30/2018 07:18	WG1091310
Hexachloro-1,3-butadiene	U		0.000386	0.00113	1	03/30/2018 07:18	WG1091310
2-Hexanone	U		0.00155	0.0113	1	03/30/2018 07:18	WG1091310
n-Hexane	U		0.000328	0.0113	1	03/30/2018 07:18	WG1091310
Iodomethane	U		0.00286	0.0113	1	03/30/2018 07:18	WG1091310
Isopropylbenzene	U		0.000274	0.00113	1	03/30/2018 07:18	WG1091310
p-Isopropyltoluene	U		0.000230	0.00113	1	03/30/2018 07:18	WG1091310
2-Butanone (MEK)	U		0.00529	0.0113	1	03/30/2018 07:18	WG1091310
Methylene Chloride	U		0.00113	0.00565	1	03/30/2018 07:18	WG1091310
4-Methyl-2-pentanone (MIBK)	U		0.00212	0.0113	1	03/30/2018 07:18	WG1091310

IW-46B-60
Collected date/time: 03/20/18 15:16

SAMPLE RESULTS - 12

L980722

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000239	0.00113	1	03/30/2018 07:18	WG1091310
Naphthalene	U		0.00113	0.00565	1	03/30/2018 07:18	WG1091310
n-Propylbenzene	U		0.000233	0.00113	1	03/30/2018 07:18	WG1091310
Styrene	U		0.000264	0.00113	1	03/30/2018 07:18	WG1091310
1,1,1,2-Tetrachloroethane	U		0.000298	0.00113	1	03/30/2018 07:18	WG1091310
1,1,2,2-Tetrachloroethane	U		0.000412	0.00113	1	03/30/2018 07:18	WG1091310
1,1,2-Trichlorotrifluoroethane	U		0.000412	0.00113	1	03/30/2018 07:18	WG1091310
Tetrachloroethene	8.71		0.0779	0.282	250	04/01/2018 20:19	WG1091310
Toluene	U		0.000490	0.00565	1	03/30/2018 07:18	WG1091310
1,2,3-Trichlorobenzene	U		0.000346	0.00113	1	03/30/2018 07:18	WG1091310
1,2,4-Trichlorobenzene	U		0.000438	0.00113	1	03/30/2018 07:18	WG1091310
1,1,1-Trichloroethane	U		0.000323	0.00113	1	03/30/2018 07:18	WG1091310
1,1,2-Trichloroethane	U		0.000313	0.00113	1	03/30/2018 07:18	WG1091310
Trichloroethene	0.0393		0.000315	0.00113	1	03/30/2018 07:18	WG1091310
Trichlorofluoromethane	U		0.000432	0.00565	1	03/30/2018 07:18	WG1091310
1,2,3-Trichloropropane	U		0.000837	0.00282	1	03/30/2018 07:18	WG1091310
1,2,4-Trimethylbenzene	U		0.000238	0.00113	1	03/30/2018 07:18	WG1091310
1,2,3-Trimethylbenzene	U		0.000324	0.00113	1	03/30/2018 07:18	WG1091310
1,3,5-Trimethylbenzene	U		0.000300	0.00113	1	03/30/2018 07:18	WG1091310
Vinyl acetate	U		0.00270	0.0113	1	03/30/2018 07:18	WG1091310
Vinyl chloride	0.908		0.0822	0.282	250	04/01/2018 20:19	WG1091310
Xylenes, Total	U		0.000788	0.00339	1	03/30/2018 07:18	WG1091310
(S) Toluene-d8	*103*			*80.0-120*		*04/01/2018 20:19*	WG1091310
(S) Toluene-d8	*98.5*			*80.0-120*		*03/30/2018 07:18*	WG1091310
(S) Dibromofluoromethane	*105*			*74.0-131*		*03/30/2018 07:18*	WG1091310
(S) Dibromofluoromethane	*98.0*			*74.0-131*		*04/01/2018 20:19*	WG1091310
(S) 4-Bromofluorobenzene	*108*			*64.0-132*		*03/30/2018 07:18*	WG1091310
(S) 4-Bromofluorobenzene	*99.3*			*64.0-132*		*04/01/2018 20:19*	WG1091310

SAMPLE RESULTS - 13

L980722

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	89.9		1	03/30/2018 16:43	WG1091660

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.0191	J	0.0111	0.0556	1	03/30/2018 07:39	WG1091310
Acrylonitrile	U		0.00199	0.0111	1	03/30/2018 07:39	WG1091310
Benzene	U		0.000300	0.00111	1	03/30/2018 07:39	WG1091310
Bromobenzene	U		0.000316	0.00111	1	03/30/2018 07:39	WG1091310
Bromodichloromethane	U		0.000282	0.00111	1	03/30/2018 07:39	WG1091310
Bromochloromethane	U		0.000434	0.00556	1	03/30/2018 07:39	WG1091310
Bromoform	U		0.000471	0.00111	1	03/30/2018 07:39	WG1091310
Bromomethane	U		0.00149	0.00556	1	03/30/2018 07:39	WG1091310
n-Butylbenzene	U		0.000287	0.00111	1	03/30/2018 07:39	WG1091310
sec-Butylbenzene	U		0.000223	0.00111	1	03/30/2018 07:39	WG1091310
tert-Butylbenzene	U		0.000229	0.00111	1	03/30/2018 07:39	WG1091310
Carbon disulfide	0.00125		0.000246	0.00111	1	03/30/2018 07:39	WG1091310
Carbon tetrachloride	U		0.000365	0.00111	1	03/30/2018 07:39	WG1091310
Chlorobenzene	U		0.000236	0.00111	1	03/30/2018 07:39	WG1091310
Chlorodibromomethane	U		0.000415	0.00111	1	03/30/2018 07:39	WG1091310
Chloroethane	U		0.00105	0.00556	1	03/30/2018 07:39	WG1091310
Chloroform	U		0.000255	0.00556	1	03/30/2018 07:39	WG1091310
Chloromethane	U		0.000417	0.00278	1	03/30/2018 07:39	WG1091310
2-Chlorotoluene	U		0.000335	0.00111	1	03/30/2018 07:39	WG1091310
4-Chlorotoluene	U		0.000267	0.00111	1	03/30/2018 07:39	WG1091310
1,2-Dibromo-3-Chloropropane	U		0.00117	0.00556	1	03/30/2018 07:39	WG1091310
1,2-Dibromoethane	U		0.000381	0.00111	1	03/30/2018 07:39	WG1091310
Dibromomethane	U		0.000425	0.00111	1	03/30/2018 07:39	WG1091310
1,2-Dichlorobenzene	U		0.000339	0.00111	1	03/30/2018 07:39	WG1091310
1,3-Dichlorobenzene	U		0.000266	0.00111	1	03/30/2018 07:39	WG1091310
1,4-Dichlorobenzene	U		0.000251	0.00111	1	03/30/2018 07:39	WG1091310
Dichlorodifluoromethane	U		0.000793	0.00556	1	03/30/2018 07:39	WG1091310
1,1-Dichloroethane	U		0.000221	0.00111	1	03/30/2018 07:39	WG1091310
1,2-Dichloroethane	U		0.000295	0.00111	1	03/30/2018 07:39	WG1091310
1,1-Dichloroethene	0.0131		0.000337	0.00111	1	03/30/2018 07:39	WG1091310
cis-1,2-Dichloroethene	4.82		0.0654	0.278	250	04/02/2018 14:07	WG1091310
trans-1,2-Dichloroethene	0.000435	J	0.000294	0.00111	1	03/30/2018 07:39	WG1091310
1,2-Dichloropropane	U		0.000398	0.00111	1	03/30/2018 07:39	WG1091310
1,1-Dichloropropene	U		0.000352	0.00111	1	03/30/2018 07:39	WG1091310
1,3-Dichloropropane	U		0.000230	0.00111	1	03/30/2018 07:39	WG1091310
cis-1,3-Dichloropropene	U		0.000291	0.00111	1	03/30/2018 07:39	WG1091310
trans-1,3-Dichloropropene	U		0.000297	0.00111	1	03/30/2018 07:39	WG1091310
trans-1,4-Dichloro-2-butene	U		0.000865	0.00278	1	03/30/2018 07:39	WG1091310
2,2-Dichloropropane	U		0.000310	0.00111	1	03/30/2018 07:39	WG1091310
Di-isopropyl ether	U		0.000276	0.00111	1	03/30/2018 07:39	WG1091310
Ethylbenzene	U		0.000330	0.00111	1	03/30/2018 07:39	WG1091310
Hexachloro-1,3-butadiene	U		0.000380	0.00111	1	03/30/2018 07:39	WG1091310
2-Hexanone	U		0.00152	0.0111	1	03/30/2018 07:39	WG1091310
n-Hexane	U		0.000322	0.0111	1	03/30/2018 07:39	WG1091310
Iodomethane	U		0.00281	0.0111	1	03/30/2018 07:39	WG1091310
Isopropylbenzene	U		0.000270	0.00111	1	03/30/2018 07:39	WG1091310
p-Isopropyltoluene	U		0.000227	0.00111	1	03/30/2018 07:39	WG1091310
2-Butanone (MEK)	U		0.00520	0.0111	1	03/30/2018 07:39	WG1091310
Methylene Chloride	U		0.00111	0.00556	1	03/30/2018 07:39	WG1091310
4-Methyl-2-pentanone (MIBK)	U		0.00209	0.0111	1	03/30/2018 07:39	WG1091310

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000236	0.00111	1	03/30/2018 07:39	WG1091310
Naphthalene	U		0.00111	0.00556	1	03/30/2018 07:39	WG1091310
n-Propylbenzene	U		0.000229	0.00111	1	03/30/2018 07:39	WG1091310
Styrene	U		0.000260	0.00111	1	03/30/2018 07:39	WG1091310
1,1,1,2-Tetrachloroethane	U		0.000294	0.00111	1	03/30/2018 07:39	WG1091310
1,1,2,2-Tetrachloroethane	U		0.000406	0.00111	1	03/30/2018 07:39	WG1091310
1,1,2-Trichlorotrifluoroethane	U		0.000406	0.00111	1	03/30/2018 07:39	WG1091310
Tetrachloroethene	1.78		0.00767	0.0278	25	04/01/2018 20:40	WG1091310
Toluene	U		0.000483	0.00556	1	03/30/2018 07:39	WG1091310
1,2,3-Trichlorobenzene	U		0.000340	0.00111	1	03/30/2018 07:39	WG1091310
1,2,4-Trichlorobenzene	U		0.000431	0.00111	1	03/30/2018 07:39	WG1091310
1,1,1-Trichloroethane	U		0.000318	0.00111	1	03/30/2018 07:39	WG1091310
1,1,2-Trichloroethane	U		0.000308	0.00111	1	03/30/2018 07:39	WG1091310
Trichloroethene	0.00183		0.000310	0.00111	1	03/30/2018 07:39	WG1091310
Trichlorofluoromethane	U		0.000425	0.00556	1	03/30/2018 07:39	WG1091310
1,2,3-Trichloropropane	U		0.000824	0.00278	1	03/30/2018 07:39	WG1091310
1,2,4-Trimethylbenzene	U		0.000235	0.00111	1	03/30/2018 07:39	WG1091310
1,2,3-Trimethylbenzene	U		0.000319	0.00111	1	03/30/2018 07:39	WG1091310
1,3,5-Trimethylbenzene	U		0.000296	0.00111	1	03/30/2018 07:39	WG1091310
Vinyl acetate	U		0.00266	0.0111	1	03/30/2018 07:39	WG1091310
Vinyl chloride	0.0639		0.00809	0.0278	25	04/01/2018 20:40	WG1091310
Xylenes, Total	U		0.000776	0.00334	1	03/30/2018 07:39	WG1091310
(S) Toluene-d8	*78.0*	J2		*80.0-120*		*04/01/2018 20:40*	WG1091310
(S) Toluene-d8	*106*			*80.0-120*		*04/02/2018 14:07*	WG1091310
(S) Toluene-d8	*99.8*			*80.0-120*		*03/30/2018 07:39*	WG1091310
(S) Dibromofluoromethane	*106*			*74.0-131*		*04/02/2018 14:07*	WG1091310
(S) Dibromofluoromethane	*107*			*74.0-131*		*03/30/2018 07:39*	WG1091310
(S) Dibromofluoromethane	*95.8*			*74.0-131*		*04/01/2018 20:40*	WG1091310
(S) 4-Bromofluorobenzene	*105*			*64.0-132*		*03/30/2018 07:39*	WG1091310
(S) 4-Bromofluorobenzene	*99.3*			*64.0-132*		*04/01/2018 20:40*	WG1091310
(S) 4-Bromofluorobenzene	*101*			*64.0-132*		*04/02/2018 14:07*	WG1091310

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	78.4		1	03/30/2018 16:43	WG1091660

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.0257	J	0.0128	0.0638	1	03/30/2018 08:00	WG1091310
Acrylonitrile	U		0.00228	0.0128	1	03/30/2018 08:00	WG1091310
Benzene	U		0.000344	0.00128	1	03/30/2018 08:00	WG1091310
Bromobenzene	U		0.000362	0.00128	1	03/30/2018 08:00	WG1091310
Bromodichloromethane	U		0.000324	0.00128	1	03/30/2018 08:00	WG1091310
Bromochloromethane	U		0.000497	0.00638	1	03/30/2018 08:00	WG1091310
Bromoform	U		0.000541	0.00128	1	03/30/2018 08:00	WG1091310
Bromomethane	U		0.00171	0.00638	1	03/30/2018 08:00	WG1091310
n-Butylbenzene	U		0.000329	0.00128	1	03/30/2018 08:00	WG1091310
sec-Butylbenzene	U		0.000256	0.00128	1	03/30/2018 08:00	WG1091310
tert-Butylbenzene	U		0.000263	0.00128	1	03/30/2018 08:00	WG1091310
Carbon disulfide	0.00187		0.000282	0.00128	1	03/30/2018 08:00	WG1091310
Carbon tetrachloride	U		0.000418	0.00128	1	03/30/2018 08:00	WG1091310
Chlorobenzene	U		0.000270	0.00128	1	03/30/2018 08:00	WG1091310
Chlorodibromomethane	U		0.000476	0.00128	1	03/30/2018 08:00	WG1091310
Chloroethane	U		0.00121	0.00638	1	03/30/2018 08:00	WG1091310
Chloroform	U		0.000292	0.00638	1	03/30/2018 08:00	WG1091310
Chloromethane	U		0.000478	0.00319	1	03/30/2018 08:00	WG1091310
2-Chlorotoluene	U		0.000384	0.00128	1	03/30/2018 08:00	WG1091310
4-Chlorotoluene	U		0.000306	0.00128	1	03/30/2018 08:00	WG1091310
1,2-Dibromo-3-Chloropropane	U		0.00134	0.00638	1	03/30/2018 08:00	WG1091310
1,2-Dibromoethane	U		0.000438	0.00128	1	03/30/2018 08:00	WG1091310
Dibromomethane	U		0.000487	0.00128	1	03/30/2018 08:00	WG1091310
1,2-Dichlorobenzene	U		0.000389	0.00128	1	03/30/2018 08:00	WG1091310
1,3-Dichlorobenzene	U		0.000305	0.00128	1	03/30/2018 08:00	WG1091310
1,4-Dichlorobenzene	U		0.000288	0.00128	1	03/30/2018 08:00	WG1091310
Dichlorodifluoromethane	U		0.000909	0.00638	1	03/30/2018 08:00	WG1091310
1,1-Dichloroethane	U		0.000254	0.00128	1	03/30/2018 08:00	WG1091310
1,2-Dichloroethane	U		0.000338	0.00128	1	03/30/2018 08:00	WG1091310
1,1-Dichloroethene	0.0321		0.000387	0.00128	1	03/30/2018 08:00	WG1091310
cis-1,2-Dichloroethene	4.07		0.0151	0.0638	50	04/01/2018 21:01	WG1091310
trans-1,2-Dichloroethene	0.00185		0.000337	0.00128	1	03/30/2018 08:00	WG1091310
1,2-Dichloropropane	U		0.000457	0.00128	1	03/30/2018 08:00	WG1091310
1,1-Dichloropropene	U		0.000404	0.00128	1	03/30/2018 08:00	WG1091310
1,3-Dichloropropane	U		0.000264	0.00128	1	03/30/2018 08:00	WG1091310
cis-1,3-Dichloropropene	U		0.000334	0.00128	1	03/30/2018 08:00	WG1091310
trans-1,3-Dichloropropene	U		0.000341	0.00128	1	03/30/2018 08:00	WG1091310
trans-1,4-Dichloro-2-butene	U		0.000992	0.00319	1	03/30/2018 08:00	WG1091310
2,2-Dichloropropane	U		0.000356	0.00128	1	03/30/2018 08:00	WG1091310
Di-isopropyl ether	U		0.000316	0.00128	1	03/30/2018 08:00	WG1091310
Ethylbenzene	U		0.000379	0.00128	1	03/30/2018 08:00	WG1091310
Hexachloro-1,3-butadiene	U		0.000436	0.00128	1	03/30/2018 08:00	WG1091310
2-Hexanone	U		0.00175	0.0128	1	03/30/2018 08:00	WG1091310
n-Hexane	U		0.000370	0.0128	1	03/30/2018 08:00	WG1091310
Iodomethane	U		0.00323	0.0128	1	03/30/2018 08:00	WG1091310
Isopropylbenzene	U		0.000310	0.00128	1	03/30/2018 08:00	WG1091310
p-Isopropyltoluene	U		0.000260	0.00128	1	03/30/2018 08:00	WG1091310
2-Butanone (MEK)	U		0.00597	0.0128	1	03/30/2018 08:00	WG1091310
Methylene Chloride	U		0.00128	0.00638	1	03/30/2018 08:00	WG1091310
4-Methyl-2-pentanone (MIBK)	U		0.00240	0.0128	1	03/30/2018 08:00	WG1091310

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000270	0.00128	1	03/30/2018 08:00	WG1091310
Naphthalene	U		0.00128	0.00638	1	03/30/2018 08:00	WG1091310
n-Propylbenzene	U		0.000263	0.00128	1	03/30/2018 08:00	WG1091310
Styrene	U		0.000298	0.00128	1	03/30/2018 08:00	WG1091310
1,1,1,2-Tetrachloroethane	U		0.000337	0.00128	1	03/30/2018 08:00	WG1091310
1,1,2,2-Tetrachloroethane	U		0.000466	0.00128	1	03/30/2018 08:00	WG1091310
1,1,2-Trichlorotrifluoroethane	U		0.000466	0.00128	1	03/30/2018 08:00	WG1091310
Tetrachloroethene	2.79		0.0176	0.0638	50	04/01/2018 21:01	WG1091310
Toluene	U		0.000554	0.00638	1	03/30/2018 08:00	WG1091310
1,2,3-Trichlorobenzene	U		0.000390	0.00128	1	03/30/2018 08:00	WG1091310
1,2,4-Trichlorobenzene	U		0.000495	0.00128	1	03/30/2018 08:00	WG1091310
1,1,1-Trichloroethane	U		0.000365	0.00128	1	03/30/2018 08:00	WG1091310
1,1,2-Trichloroethane	U		0.000353	0.00128	1	03/30/2018 08:00	WG1091310
Trichloroethene	0.0366		0.000356	0.00128	1	03/30/2018 08:00	WG1091310
Trichlorofluoromethane	U		0.000487	0.00638	1	03/30/2018 08:00	WG1091310
1,2,3-Trichloropropane	U		0.000945	0.00319	1	03/30/2018 08:00	WG1091310
1,2,4-Trimethylbenzene	U		0.000269	0.00128	1	03/30/2018 08:00	WG1091310
1,2,3-Trimethylbenzene	U		0.000366	0.00128	1	03/30/2018 08:00	WG1091310
1,3,5-Trimethylbenzene	U		0.000339	0.00128	1	03/30/2018 08:00	WG1091310
Vinyl acetate	U		0.00305	0.0128	1	03/30/2018 08:00	WG1091310
Vinyl chloride	0.0252		0.000371	0.00128	1	03/30/2018 08:00	WG1091310
Xylenes, Total	U		0.000890	0.00383	1	03/30/2018 08:00	WG1091310
(S) Toluene-d8	*90.2*			*80.0-120*		*04/01/2018 21:01*	WG1091310
(S) Toluene-d8	*99.5*			*80.0-120*		*03/30/2018 08:00*	WG1091310
(S) Dibromofluoromethane	*107*			*74.0-131*		*03/30/2018 08:00*	WG1091310
(S) Dibromofluoromethane	*96.8*			*74.0-131*		*04/01/2018 21:01*	WG1091310
(S) 4-Bromofluorobenzene	*105*			*64.0-132*		*03/30/2018 08:00*	WG1091310
(S) 4-Bromofluorobenzene	*100*			*64.0-132*		*04/01/2018 21:01*	WG1091310

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	83.2		1	03/30/2018 16:43	WG1091660

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.0256	J	0.0120	0.0601	1	03/30/2018 08:21	WG1091310
Acrylonitrile	U		0.00215	0.0120	1	03/30/2018 08:21	WG1091310
Benzene	0.000384	J	0.000325	0.00120	1	03/30/2018 08:21	WG1091310
Bromobenzene	U		0.000341	0.00120	1	03/30/2018 08:21	WG1091310
Bromodichloromethane	U		0.000305	0.00120	1	03/30/2018 08:21	WG1091310
Bromochloromethane	U		0.000469	0.00601	1	03/30/2018 08:21	WG1091310
Bromoform	U		0.000510	0.00120	1	03/30/2018 08:21	WG1091310
Bromomethane	U		0.00161	0.00601	1	03/30/2018 08:21	WG1091310
n-Butylbenzene	U		0.000310	0.00120	1	03/30/2018 08:21	WG1091310
sec-Butylbenzene	U		0.000242	0.00120	1	03/30/2018 08:21	WG1091310
tert-Butylbenzene	U		0.000248	0.00120	1	03/30/2018 08:21	WG1091310
Carbon disulfide	0.00580		0.000266	0.00120	1	03/30/2018 08:21	WG1091310
Carbon tetrachloride	U		0.000394	0.00120	1	03/30/2018 08:21	WG1091310
Chlorobenzene	U		0.000255	0.00120	1	03/30/2018 08:21	WG1091310
Chlorodibromomethane	U		0.000449	0.00120	1	03/30/2018 08:21	WG1091310
Chloroethane	U		0.00114	0.00601	1	03/30/2018 08:21	WG1091310
Chloroform	0.000660	J	0.000275	0.00601	1	03/30/2018 08:21	WG1091310
Chloromethane	U		0.000451	0.00301	1	03/30/2018 08:21	WG1091310
2-Chlorotoluene	U		0.000362	0.00120	1	03/30/2018 08:21	WG1091310
4-Chlorotoluene	U		0.000289	0.00120	1	03/30/2018 08:21	WG1091310
1,2-Dibromo-3-Chloropropane	U		0.00126	0.00601	1	03/30/2018 08:21	WG1091310
1,2-Dibromoethane	U		0.000412	0.00120	1	03/30/2018 08:21	WG1091310
Dibromomethane	U		0.000459	0.00120	1	03/30/2018 08:21	WG1091310
1,2-Dichlorobenzene	U		0.000367	0.00120	1	03/30/2018 08:21	WG1091310
1,3-Dichlorobenzene	U		0.000287	0.00120	1	03/30/2018 08:21	WG1091310
1,4-Dichlorobenzene	U		0.000272	0.00120	1	03/30/2018 08:21	WG1091310
Dichlorodifluoromethane	U		0.000857	0.00601	1	03/30/2018 08:21	WG1091310
1,1-Dichloroethane	U		0.000239	0.00120	1	03/30/2018 08:21	WG1091310
1,2-Dichloroethane	U		0.000319	0.00120	1	03/30/2018 08:21	WG1091310
1,1-Dichloroethene	0.00819		0.000364	0.00120	1	03/30/2018 08:21	WG1091310
cis-1,2-Dichloroethene	4.91		0.283	1.20	1000	04/01/2018 21:22	WG1091310
trans-1,2-Dichloroethene	0.00269		0.000317	0.00120	1	03/30/2018 08:21	WG1091310
1,2-Dichloropropane	U		0.000430	0.00120	1	03/30/2018 08:21	WG1091310
1,1-Dichloropropene	U		0.000381	0.00120	1	03/30/2018 08:21	WG1091310
1,3-Dichloropropane	U		0.000249	0.00120	1	03/30/2018 08:21	WG1091310
cis-1,3-Dichloropropene	U		0.000315	0.00120	1	03/30/2018 08:21	WG1091310
trans-1,3-Dichloropropene	U		0.000321	0.00120	1	03/30/2018 08:21	WG1091310
trans-1,4-Dichloro-2-butene	U		0.000935	0.00301	1	03/30/2018 08:21	WG1091310
2,2-Dichloropropane	U		0.000335	0.00120	1	03/30/2018 08:21	WG1091310
Di-isopropyl ether	U		0.000298	0.00120	1	03/30/2018 08:21	WG1091310
Ethylbenzene	U		0.000357	0.00120	1	03/30/2018 08:21	WG1091310
Hexachloro-1,3-butadiene	U		0.000411	0.00120	1	03/30/2018 08:21	WG1091310
2-Hexanone	U		0.00165	0.0120	1	03/30/2018 08:21	WG1091310
n-Hexane	0.00177	J	0.000349	0.0120	1	03/30/2018 08:21	WG1091310
Iodomethane	U		0.00304	0.0120	1	03/30/2018 08:21	WG1091310
Isopropylbenzene	U		0.000292	0.00120	1	03/30/2018 08:21	WG1091310
p-Isopropyltoluene	U		0.000245	0.00120	1	03/30/2018 08:21	WG1091310
2-Butanone (MEK)	U		0.00563	0.0120	1	03/30/2018 08:21	WG1091310
Methylene Chloride	U		0.00120	0.00601	1	03/30/2018 08:21	WG1091310
4-Methyl-2-pentanone (MIBK)	U		0.00226	0.0120	1	03/30/2018 08:21	WG1091310

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000255	0.00120	1	03/30/2018 08:21	WG1091310
Naphthalene	U		0.00120	0.00601	1	03/30/2018 08:21	WG1091310
n-Propylbenzene	U		0.000248	0.00120	1	03/30/2018 08:21	WG1091310
Styrene	U		0.000281	0.00120	1	03/30/2018 08:21	WG1091310
1,1,1,2-Tetrachloroethane	U		0.000317	0.00120	1	03/30/2018 08:21	WG1091310
1,1,2,2-Tetrachloroethane	U		0.000439	0.00120	1	03/30/2018 08:21	WG1091310
1,1,2-Trichlorotrifluoroethane	U		0.000439	0.00120	1	03/30/2018 08:21	WG1091310
Tetrachloroethene	145		0.332	1.20	1000	04/01/2018 21:22	WG1091310
Toluene	0.00189	J	0.000522	0.00601	1	03/30/2018 08:21	WG1091310
1,2,3-Trichlorobenzene	U		0.000368	0.00120	1	03/30/2018 08:21	WG1091310
1,2,4-Trichlorobenzene	U		0.000467	0.00120	1	03/30/2018 08:21	WG1091310
1,1,1-Trichloroethane	U		0.000344	0.00120	1	03/30/2018 08:21	WG1091310
1,1,2-Trichloroethane	U		0.000333	0.00120	1	03/30/2018 08:21	WG1091310
Trichloroethene	1.31	J4	0.335	1.20	1000	04/01/2018 21:22	WG1091310
Trichlorofluoromethane	U		0.000459	0.00601	1	03/30/2018 08:21	WG1091310
1,2,3-Trichloropropane	U		0.000891	0.00301	1	03/30/2018 08:21	WG1091310
1,2,4-Trimethylbenzene	0.00136		0.000254	0.00120	1	03/30/2018 08:21	WG1091310
1,2,3-Trimethylbenzene	0.000541	J	0.000345	0.00120	1	03/30/2018 08:21	WG1091310
1,3,5-Trimethylbenzene	0.000545	J	0.000320	0.00120	1	03/30/2018 08:21	WG1091310
Vinyl acetate	U		0.00287	0.0120	1	03/30/2018 08:21	WG1091310
Vinyl chloride	0.356	J	0.350	1.20	1000	04/01/2018 21:22	WG1091310
Xylenes, Total	0.00187	J	0.000839	0.00361	1	03/30/2018 08:21	WG1091310
(S) Toluene-d8	*104*			*80.0-120*		*04/01/2018 21:22*	WG1091310
(S) Toluene-d8	*172*	J1		*80.0-120*		*03/30/2018 08:21*	WG1091310
(S) Dibromofluoromethane	*103*			*74.0-131*		*03/30/2018 08:21*	WG1091310
(S) Dibromofluoromethane	*101*			*74.0-131*		*04/01/2018 21:22*	WG1091310
(S) 4-Bromofluorobenzene	*100*			*64.0-132*		*04/01/2018 21:22*	WG1091310
(S) 4-Bromofluorobenzene	*120*			*64.0-132*		*03/30/2018 08:21*	WG1091310

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	78.2		1	03/30/2018 16:43	WG1091660

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.0178	J	0.0128	0.0639	1	04/01/2018 16:05	WG1091540
Acrylonitrile	U		0.00229	0.0128	1	04/01/2018 16:05	WG1091540
Benzene	U		0.000345	0.00128	1	04/01/2018 16:05	WG1091540
Bromobenzene	U		0.000363	0.00128	1	04/01/2018 16:05	WG1091540
Bromodichloromethane	U		0.000325	0.00128	1	04/01/2018 16:05	WG1091540
Bromochloromethane	U		0.000499	0.00639	1	04/01/2018 16:05	WG1091540
Bromoform	U		0.000542	0.00128	1	04/01/2018 16:05	WG1091540
Bromomethane	U		0.00171	0.00639	1	04/01/2018 16:05	WG1091540
n-Butylbenzene	U		0.000330	0.00128	1	04/01/2018 16:05	WG1091540
sec-Butylbenzene	U		0.000257	0.00128	1	04/01/2018 16:05	WG1091540
tert-Butylbenzene	U		0.000263	0.00128	1	04/01/2018 16:05	WG1091540
Carbon disulfide	0.000623	J	0.000283	0.00128	1	04/01/2018 16:05	WG1091540
Carbon tetrachloride	U		0.000419	0.00128	1	04/01/2018 16:05	WG1091540
Chlorobenzene	U		0.000271	0.00128	1	04/01/2018 16:05	WG1091540
Chlorodibromomethane	U		0.000477	0.00128	1	04/01/2018 16:05	WG1091540
Chloroethane	U		0.00121	0.00639	1	04/01/2018 16:05	WG1091540
Chloroform	U		0.000293	0.00639	1	04/01/2018 16:05	WG1091540
Chloromethane	U		0.000480	0.00320	1	04/01/2018 16:05	WG1091540
2-Chlorotoluene	U		0.000385	0.00128	1	04/01/2018 16:05	WG1091540
4-Chlorotoluene	U		0.000307	0.00128	1	04/01/2018 16:05	WG1091540
1,2-Dibromo-3-Chloropropane	U		0.00134	0.00639	1	04/01/2018 16:05	WG1091540
1,2-Dibromoethane	U		0.000439	0.00128	1	04/01/2018 16:05	WG1091540
Dibromomethane	U		0.000489	0.00128	1	04/01/2018 16:05	WG1091540
1,2-Dichlorobenzene	U		0.000390	0.00128	1	04/01/2018 16:05	WG1091540
1,3-Dichlorobenzene	U		0.000306	0.00128	1	04/01/2018 16:05	WG1091540
1,4-Dichlorobenzene	U		0.000289	0.00128	1	04/01/2018 16:05	WG1091540
Dichlorodifluoromethane	U		0.000912	0.00639	1	04/01/2018 16:05	WG1091540
1,1-Dichloroethane	U		0.000254	0.00128	1	04/01/2018 16:05	WG1091540
1,2-Dichloroethane	U		0.000339	0.00128	1	04/01/2018 16:05	WG1091540
1,1-Dichloroethene	0.000679	J	0.000387	0.00128	1	04/01/2018 16:05	WG1091540
cis-1,2-Dichloroethene	0.00147		0.000301	0.00128	1	04/01/2018 16:05	WG1091540
trans-1,2-Dichloroethene	U		0.000338	0.00128	1	04/01/2018 16:05	WG1091540
1,2-Dichloropropane	U		0.000458	0.00128	1	04/01/2018 16:05	WG1091540
1,1-Dichloropropene	U		0.000405	0.00128	1	04/01/2018 16:05	WG1091540
1,3-Dichloropropane	U		0.000265	0.00128	1	04/01/2018 16:05	WG1091540
cis-1,3-Dichloropropene	U		0.000335	0.00128	1	04/01/2018 16:05	WG1091540
trans-1,3-Dichloropropene	U		0.000341	0.00128	1	04/01/2018 16:05	WG1091540
trans-1,4-Dichloro-2-butene	U		0.000995	0.00320	1	04/01/2018 16:05	WG1091540
2,2-Dichloropropane	U		0.000357	0.00128	1	04/01/2018 16:05	WG1091540
Di-isopropyl ether	U		0.000317	0.00128	1	04/01/2018 16:05	WG1091540
Ethylbenzene	U		0.000380	0.00128	1	04/01/2018 16:05	WG1091540
Hexachloro-1,3-butadiene	U		0.000437	0.00128	1	04/01/2018 16:05	WG1091540
2-Hexanone	U		0.00175	0.0128	1	04/01/2018 16:05	WG1091540
n-Hexane	U		0.000371	0.0128	1	04/01/2018 16:05	WG1091540
Iodomethane	U		0.00324	0.0128	1	04/01/2018 16:05	WG1091540
Isopropylbenzene	U		0.000311	0.00128	1	04/01/2018 16:05	WG1091540
p-Isopropyltoluene	U		0.000261	0.00128	1	04/01/2018 16:05	WG1091540
2-Butanone (MEK)	U		0.00599	0.0128	1	04/01/2018 16:05	WG1091540
Methylene Chloride	U		0.00128	0.00639	1	04/01/2018 16:05	WG1091540
4-Methyl-2-pentanone (MIBK)	U		0.00240	0.0128	1	04/01/2018 16:05	WG1091540

Volatile Organic Compounds (GC/MS) by Method 8260C

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg		date / time	
Methyl tert-butyl ether	U		0.000271	0.00128	1	04/01/2018 16:05	WG1091540
Naphthalene	U		0.00128	0.00639	1	04/01/2018 16:05	WG1091540
n-Propylbenzene	U		0.000263	0.00128	1	04/01/2018 16:05	WG1091540
Styrene	U		0.000299	0.00128	1	04/01/2018 16:05	WG1091540
1,1,1,2-Tetrachloroethane	U		0.000338	0.00128	1	04/01/2018 16:05	WG1091540
1,1,2,2-Tetrachloroethane	U		0.000467	0.00128	1	04/01/2018 16:05	WG1091540
1,1,2-Trichlorotrifluoroethane	U	J4	0.000467	0.00128	1	04/01/2018 16:05	WG1091540
Tetrachloroethene	0.0143		0.000353	0.00128	1	04/01/2018 16:05	WG1091540
Toluene	U		0.000555	0.00639	1	04/01/2018 16:05	WG1091540
1,2,3-Trichlorobenzene	U		0.000391	0.00128	1	04/01/2018 16:05	WG1091540
1,2,4-Trichlorobenzene	U		0.000496	0.00128	1	04/01/2018 16:05	WG1091540
1,1,1-Trichloroethane	U		0.000366	0.00128	1	04/01/2018 16:05	WG1091540
1,1,2-Trichloroethane	U		0.000354	0.00128	1	04/01/2018 16:05	WG1091540
Trichloroethene	0.00219		0.000357	0.00128	1	04/01/2018 16:05	WG1091540
Trichlorofluoromethane	U	J4	0.000489	0.00639	1	04/01/2018 16:05	WG1091540
1,2,3-Trichloropropane	U		0.000948	0.00320	1	04/01/2018 16:05	WG1091540
1,2,4-Trimethylbenzene	U		0.000270	0.00128	1	04/01/2018 16:05	WG1091540
1,2,3-Trimethylbenzene	U		0.000367	0.00128	1	04/01/2018 16:05	WG1091540
1,3,5-Trimethylbenzene	U		0.000340	0.00128	1	04/01/2018 16:05	WG1091540
Vinyl acetate	U	J4	0.00306	0.0128	1	04/01/2018 16:05	WG1091540
Vinyl chloride	0.000756	J	0.000372	0.00128	1	04/01/2018 16:05	WG1091540
Xylenes, Total	U		0.000893	0.00384	1	04/01/2018 16:05	WG1091540
(S) Toluene-d8	*100*			*80.0-120*		*04/01/2018 16:05*	WG1091540
(S) Dibromofluoromethane	*106*			*74.0-131*		*04/01/2018 16:05*	WG1091540
(S) 4-Bromofluorobenzene	*103*			*64.0-132*		*04/01/2018 16:05*	WG1091540

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	84.8		1	03/30/2018 14:41	WG1091662

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.0309	J J0	0.0118	0.0590	1	04/01/2018 18:44	WG1091540
Acrylonitrile	U		0.00211	0.0118	1	03/30/2018 19:35	WG1091540
Benzene	0.000323	J	0.000319	0.00118	1	03/30/2018 19:35	WG1091540
Bromobenzene	U		0.000335	0.00118	1	03/30/2018 19:35	WG1091540
Bromodichloromethane	U	J0	0.000300	0.00118	1	03/30/2018 19:35	WG1091540
Bromochloromethane	U		0.000460	0.00590	1	03/30/2018 19:35	WG1091540
Bromoform	U		0.000500	0.00118	1	03/30/2018 19:35	WG1091540
Bromomethane	U		0.00158	0.00590	1	03/30/2018 19:35	WG1091540
n-Butylbenzene	U		0.000304	0.00118	1	03/30/2018 19:35	WG1091540
sec-Butylbenzene	U		0.000237	0.00118	1	03/30/2018 19:35	WG1091540
tert-Butylbenzene	U		0.000243	0.00118	1	03/30/2018 19:35	WG1091540
Carbon disulfide	0.000553	J	0.000261	0.00118	1	03/30/2018 19:35	WG1091540
Carbon tetrachloride	U		0.000387	0.00118	1	03/30/2018 19:35	WG1091540
Chlorobenzene	U		0.000250	0.00118	1	03/30/2018 19:35	WG1091540
Chlorodibromomethane	U	J0	0.000440	0.00118	1	03/30/2018 19:35	WG1091540
Chloroethane	U		0.00112	0.00590	1	03/30/2018 19:35	WG1091540
Chloroform	U		0.000270	0.00590	1	03/30/2018 19:35	WG1091540
Chloromethane	U		0.000442	0.00295	1	03/30/2018 19:35	WG1091540
2-Chlorotoluene	U		0.000355	0.00118	1	03/30/2018 19:35	WG1091540
4-Chlorotoluene	U		0.000283	0.00118	1	03/30/2018 19:35	WG1091540
1,2-Dibromo-3-Chloropropane	U	J0	0.00124	0.00590	1	03/30/2018 19:35	WG1091540
1,2-Dibromoethane	U		0.000405	0.00118	1	03/30/2018 19:35	WG1091540
Dibromomethane	U		0.000451	0.00118	1	03/30/2018 19:35	WG1091540
1,2-Dichlorobenzene	U		0.000360	0.00118	1	03/30/2018 19:35	WG1091540
1,3-Dichlorobenzene	U		0.000282	0.00118	1	03/30/2018 19:35	WG1091540
1,4-Dichlorobenzene	U		0.000267	0.00118	1	03/30/2018 19:35	WG1091540
Dichlorodifluoromethane	U		0.000841	0.00590	1	03/30/2018 19:35	WG1091540
1,1-Dichloroethane	U		0.000235	0.00118	1	03/30/2018 19:35	WG1091540
1,2-Dichloroethane	U		0.000313	0.00118	1	03/30/2018 19:35	WG1091540
1,1-Dichloroethene	U		0.000357	0.00118	1	03/30/2018 19:35	WG1091540
cis-1,2-Dichloroethene	0.000394	J	0.000277	0.00118	1	03/30/2018 19:35	WG1091540
trans-1,2-Dichloroethene	U		0.000311	0.00118	1	03/30/2018 19:35	WG1091540
1,2-Dichloropropane	U		0.000422	0.00118	1	03/30/2018 19:35	WG1091540
1,1-Dichloropropene	U		0.000374	0.00118	1	03/30/2018 19:35	WG1091540
1,3-Dichloropropane	U		0.000244	0.00118	1	03/30/2018 19:35	WG1091540
cis-1,3-Dichloropropene	U		0.000309	0.00118	1	03/30/2018 19:35	WG1091540
trans-1,3-Dichloropropene	U		0.000315	0.00118	1	03/30/2018 19:35	WG1091540
trans-1,4-Dichloro-2-butene	U	J0	0.000918	0.00295	1	03/30/2018 19:35	WG1091540
2,2-Dichloropropane	U		0.000329	0.00118	1	03/30/2018 19:35	WG1091540
Di-isopropyl ether	U		0.000293	0.00118	1	03/30/2018 19:35	WG1091540
Ethylbenzene	U		0.000350	0.00118	1	03/30/2018 19:35	WG1091540
Hexachloro-1,3-butadiene	U		0.000403	0.00118	1	03/30/2018 19:35	WG1091540
2-Hexanone	U	J0	0.00162	0.0118	1	03/30/2018 19:35	WG1091540
n-Hexane	U		0.000342	0.0118	1	03/30/2018 19:35	WG1091540
Iodomethane	U		0.00298	0.0118	1	03/30/2018 19:35	WG1091540
Isopropylbenzene	U		0.000287	0.00118	1	03/30/2018 19:35	WG1091540
p-Isopropyltoluene	U		0.000241	0.00118	1	03/30/2018 19:35	WG1091540
2-Butanone (MEK)	U		0.00552	0.0118	1	03/30/2018 19:35	WG1091540
Methylene Chloride	U		0.00118	0.00590	1	03/30/2018 19:35	WG1091540
4-Methyl-2-pentanone (MIBK)	U		0.00222	0.0118	1	03/30/2018 19:35	WG1091540

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000250	0.00118	1	03/30/2018 19:35	WG1091540
Naphthalene	U		0.00118	0.00590	1	03/30/2018 19:35	WG1091540
n-Propylbenzene	U		0.000243	0.00118	1	03/30/2018 19:35	WG1091540
Styrene	U		0.000276	0.00118	1	03/30/2018 19:35	WG1091540
1,1,1,2-Tetrachloroethane	U		0.000311	0.00118	1	03/30/2018 19:35	WG1091540
1,1,2,2-Tetrachloroethane	U		0.000431	0.00118	1	03/30/2018 19:35	WG1091540
1,1,2-Trichlorotrifluoroethane	U	J4	0.000431	0.00118	1	03/30/2018 19:35	WG1091540
Tetrachloroethene	0.0518	J0	0.000326	0.00118	1	03/30/2018 19:35	WG1091540
Toluene	U		0.000512	0.00590	1	03/30/2018 19:35	WG1091540
1,2,3-Trichlorobenzene	U		0.000361	0.00118	1	03/30/2018 19:35	WG1091540
1,2,4-Trichlorobenzene	U		0.000458	0.00118	1	03/30/2018 19:35	WG1091540
1,1,1-Trichloroethane	U		0.000337	0.00118	1	03/30/2018 19:35	WG1091540
1,1,2-Trichloroethane	U	J0	0.000327	0.00118	1	03/30/2018 19:35	WG1091540
Trichloroethene	0.00121		0.000329	0.00118	1	03/30/2018 19:35	WG1091540
Trichlorofluoromethane	U	J4	0.000451	0.00590	1	03/30/2018 19:35	WG1091540
1,2,3-Trichloropropane	U		0.000874	0.00295	1	03/30/2018 19:35	WG1091540
1,2,4-Trimethylbenzene	U		0.000249	0.00118	1	03/30/2018 19:35	WG1091540
1,2,3-Trimethylbenzene	U		0.000339	0.00118	1	03/30/2018 19:35	WG1091540
1,3,5-Trimethylbenzene	U		0.000314	0.00118	1	03/30/2018 19:35	WG1091540
Vinyl acetate	U	J4	0.00282	0.0118	1	03/30/2018 19:35	WG1091540
Vinyl chloride	U		0.000343	0.00118	1	03/30/2018 19:35	WG1091540
Xylenes, Total	U		0.000823	0.00354	1	03/30/2018 19:35	WG1091540
(S) Toluene-d8	*106*			*80.0-120*		*04/01/2018 18:44*	WG1091540
(S) Toluene-d8	*99.7*			*80.0-120*		*03/30/2018 19:35*	WG1091540
(S) Dibromofluoromethane	*101*			*74.0-131*		*04/01/2018 18:44*	WG1091540
(S) Dibromofluoromethane	*119*			*74.0-131*		*03/30/2018 19:35*	WG1091540
(S) 4-Bromofluorobenzene	*107*			*64.0-132*		*03/30/2018 19:35*	WG1091540
(S) 4-Bromofluorobenzene	*89.1*			*64.0-132*		*04/01/2018 18:44*	WG1091540

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch
Analyte	%			date / time	
Total Solids	85.0		1	03/30/2018 14:41	WG1091662

Volatile Organic Compounds (GC/MS) by Method 8260C

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J0	0.0118	0.0588	1	03/30/2018 19:55	WG1091540
Acrylonitrile	U		0.00211	0.0118	1	03/30/2018 19:55	WG1091540
Benzene	U		0.000318	0.00118	1	03/30/2018 19:55	WG1091540
Bromobenzene	U		0.000334	0.00118	1	03/30/2018 19:55	WG1091540
Bromodichloromethane	U	J0	0.000299	0.00118	1	03/30/2018 19:55	WG1091540
Bromochloromethane	U		0.000459	0.00588	1	03/30/2018 19:55	WG1091540
Bromoform	U		0.000499	0.00118	1	03/30/2018 19:55	WG1091540
Bromomethane	U		0.00158	0.00588	1	03/30/2018 19:55	WG1091540
n-Butylbenzene	U		0.000303	0.00118	1	03/30/2018 19:55	WG1091540
sec-Butylbenzene	U		0.000236	0.00118	1	03/30/2018 19:55	WG1091540
tert-Butylbenzene	U		0.000242	0.00118	1	03/30/2018 19:55	WG1091540
Carbon disulfide	U		0.000260	0.00118	1	03/30/2018 19:55	WG1091540
Carbon tetrachloride	U		0.000386	0.00118	1	03/30/2018 19:55	WG1091540
Chlorobenzene	U		0.000249	0.00118	1	03/30/2018 19:55	WG1091540
Chlorodibromomethane	U	J0	0.000439	0.00118	1	03/30/2018 19:55	WG1091540
Chloroethane	U		0.00111	0.00588	1	03/30/2018 19:55	WG1091540
Chloroform	U		0.000269	0.00588	1	03/30/2018 19:55	WG1091540
Chloromethane	U		0.000441	0.00294	1	03/30/2018 19:55	WG1091540
2-Chlorotoluene	U		0.000354	0.00118	1	03/30/2018 19:55	WG1091540
4-Chlorotoluene	U		0.000282	0.00118	1	03/30/2018 19:55	WG1091540
1,2-Dibromo-3-Chloropropane	U	J0	0.00124	0.00588	1	03/30/2018 19:55	WG1091540
1,2-Dibromoethane	U	J0	0.000403	0.00118	1	03/30/2018 19:55	WG1091540
Dibromomethane	U		0.000449	0.00118	1	03/30/2018 19:55	WG1091540
1,2-Dichlorobenzene	U		0.000359	0.00118	1	03/30/2018 19:55	WG1091540
1,3-Dichlorobenzene	U		0.000281	0.00118	1	03/30/2018 19:55	WG1091540
1,4-Dichlorobenzene	U		0.000266	0.00118	1	03/30/2018 19:55	WG1091540
Dichlorodifluoromethane	U		0.000839	0.00588	1	03/30/2018 19:55	WG1091540
1,1-Dichloroethane	U		0.000234	0.00118	1	03/30/2018 19:55	WG1091540
1,2-Dichloroethane	U		0.000312	0.00118	1	03/30/2018 19:55	WG1091540
1,1-Dichloroethene	U		0.000356	0.00118	1	03/30/2018 19:55	WG1091540
cis-1,2-Dichloroethene	0.000623	J	0.000276	0.00118	1	03/30/2018 19:55	WG1091540
trans-1,2-Dichloroethene	U		0.000311	0.00118	1	03/30/2018 19:55	WG1091540
1,2-Dichloropropane	U		0.000421	0.00118	1	03/30/2018 19:55	WG1091540
1,1-Dichloropropene	U		0.000373	0.00118	1	03/30/2018 19:55	WG1091540
1,3-Dichloropropane	U		0.000244	0.00118	1	03/30/2018 19:55	WG1091540
cis-1,3-Dichloropropene	U		0.000308	0.00118	1	03/30/2018 19:55	WG1091540
trans-1,3-Dichloropropene	U		0.000314	0.00118	1	03/30/2018 19:55	WG1091540
trans-1,4-Dichloro-2-butene	U	J0	0.000915	0.00294	1	03/30/2018 19:55	WG1091540
2,2-Dichloropropane	U		0.000328	0.00118	1	03/30/2018 19:55	WG1091540
Di-isopropyl ether	U		0.000292	0.00118	1	03/30/2018 19:55	WG1091540
Ethylbenzene	U		0.000349	0.00118	1	03/30/2018 19:55	WG1091540
Hexachloro-1,3-butadiene	U		0.000402	0.00118	1	03/30/2018 19:55	WG1091540
2-Hexanone	U	J0	0.00161	0.0118	1	03/30/2018 19:55	WG1091540
n-Hexane	U		0.000341	0.0118	1	03/30/2018 19:55	WG1091540
Iodomethane	U		0.00298	0.0118	1	03/30/2018 19:55	WG1091540
Isopropylbenzene	U		0.000286	0.00118	1	03/30/2018 19:55	WG1091540
p-Isopropyltoluene	U		0.000240	0.00118	1	03/30/2018 19:55	WG1091540
2-Butanone (MEK)	U		0.00551	0.0118	1	03/30/2018 19:55	WG1091540
Methylene Chloride	U		0.00118	0.00588	1	03/30/2018 19:55	WG1091540
4-Methyl-2-pentanone (MIBK)	U		0.00221	0.0118	1	03/30/2018 19:55	WG1091540

IW-47B-10

Collected date/time: 03/22/18 11:16

SAMPLE RESULTS - 18

L980722

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000249	0.00118	1	03/30/2018 19:55	WG1091540
Naphthalene	U		0.00118	0.00588	1	03/30/2018 19:55	WG1091540
n-Propylbenzene	U		0.000242	0.00118	1	03/30/2018 19:55	WG1091540
Styrene	U		0.000275	0.00118	1	03/30/2018 19:55	WG1091540
1,1,1,2-Tetrachloroethane	U		0.000311	0.00118	1	03/30/2018 19:55	WG1091540
1,1,2,2-Tetrachloroethane	U		0.000429	0.00118	1	03/30/2018 19:55	WG1091540
1,1,2-Trichlorotrifluoroethane	U	J4	0.000429	0.00118	1	03/30/2018 19:55	WG1091540
Tetrachloroethene	0.0214	J0	0.000325	0.00118	1	03/30/2018 19:55	WG1091540
Toluene	U		0.000511	0.00588	1	03/30/2018 19:55	WG1091540
1,2,3-Trichlorobenzene	U		0.000360	0.00118	1	03/30/2018 19:55	WG1091540
1,2,4-Trichlorobenzene	U		0.000456	0.00118	1	03/30/2018 19:55	WG1091540
1,1,1-Trichloroethane	U		0.000336	0.00118	1	03/30/2018 19:55	WG1091540
1,1,2-Trichloroethane	U	J0	0.000326	0.00118	1	03/30/2018 19:55	WG1091540
Trichloroethene	0.000935	J	0.000328	0.00118	1	03/30/2018 19:55	WG1091540
Trichlorofluoromethane	U	J4	0.000449	0.00588	1	03/30/2018 19:55	WG1091540
1,2,3-Trichloropropane	U		0.000872	0.00294	1	03/30/2018 19:55	WG1091540
1,2,4-Trimethylbenzene	U		0.000248	0.00118	1	03/30/2018 19:55	WG1091540
1,2,3-Trimethylbenzene	U		0.000338	0.00118	1	03/30/2018 19:55	WG1091540
1,3,5-Trimethylbenzene	U		0.000313	0.00118	1	03/30/2018 19:55	WG1091540
Vinyl acetate	U	J4	0.00281	0.0118	1	03/30/2018 19:55	WG1091540
Vinyl chloride	U		0.000342	0.00118	1	03/30/2018 19:55	WG1091540
Xylenes, Total	U		0.000821	0.00353	1	03/30/2018 19:55	WG1091540
(S) Toluene-d8	*99.4*			*80.0-120*		*03/30/2018 19:55*	WG1091540
(S) Dibromofluoromethane	*117*			*74.0-131*		*03/30/2018 19:55*	WG1091540
(S) 4-Bromofluorobenzene	*105*			*64.0-132*		*03/30/2018 19:55*	WG1091540

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	89.6		1	03/30/2018 14:41	WG1091662

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U	J0	0.0112	0.0558	1	03/30/2018 20:42	WG1091540
Acrylonitrile	U		0.00200	0.0112	1	03/30/2018 20:42	WG1091540
Benzene	U		0.000301	0.00112	1	03/30/2018 20:42	WG1091540
Bromobenzene	U		0.000317	0.00112	1	03/30/2018 20:42	WG1091540
Bromodichloromethane	U	J0	0.000284	0.00112	1	03/30/2018 20:42	WG1091540
Bromochloromethane	U		0.000435	0.00558	1	03/30/2018 20:42	WG1091540
Bromoform	U		0.000473	0.00112	1	03/30/2018 20:42	WG1091540
Bromomethane	U		0.00150	0.00558	1	03/30/2018 20:42	WG1091540
n-Butylbenzene	U		0.000288	0.00112	1	03/30/2018 20:42	WG1091540
sec-Butylbenzene	U		0.000224	0.00112	1	03/30/2018 20:42	WG1091540
tert-Butylbenzene	U		0.000230	0.00112	1	03/30/2018 20:42	WG1091540
Carbon disulfide	U		0.000247	0.00112	1	03/30/2018 20:42	WG1091540
Carbon tetrachloride	U		0.000366	0.00112	1	03/30/2018 20:42	WG1091540
Chlorobenzene	U		0.000237	0.00112	1	03/30/2018 20:42	WG1091540
Chlorodibromomethane	U	J0	0.000416	0.00112	1	03/30/2018 20:42	WG1091540
Chloroethane	U		0.00106	0.00558	1	03/30/2018 20:42	WG1091540
Chloroform	U		0.000256	0.00558	1	03/30/2018 20:42	WG1091540
Chloromethane	U		0.000419	0.00279	1	03/30/2018 20:42	WG1091540
2-Chlorotoluene	U		0.000336	0.00112	1	03/30/2018 20:42	WG1091540
4-Chlorotoluene	U		0.000268	0.00112	1	03/30/2018 20:42	WG1091540
1,2-Dibromo-3-Chloropropane	U	J0	0.00117	0.00558	1	03/30/2018 20:42	WG1091540
1,2-Dibromoethane	U	J0	0.000383	0.00112	1	03/30/2018 20:42	WG1091540
Dibromomethane	U		0.000427	0.00112	1	03/30/2018 20:42	WG1091540
1,2-Dichlorobenzene	U		0.000341	0.00112	1	03/30/2018 20:42	WG1091540
1,3-Dichlorobenzene	U		0.000267	0.00112	1	03/30/2018 20:42	WG1091540
1,4-Dichlorobenzene	U		0.000252	0.00112	1	03/30/2018 20:42	WG1091540
Dichlorodifluoromethane	U		0.000796	0.00558	1	03/30/2018 20:42	WG1091540
1,1-Dichloroethane	U		0.000222	0.00112	1	03/30/2018 20:42	WG1091540
1,2-Dichloroethane	U		0.000296	0.00112	1	03/30/2018 20:42	WG1091540
1,1-Dichloroethene	U		0.000338	0.00112	1	03/30/2018 20:42	WG1091540
cis-1,2-Dichloroethene	0.0413		0.000262	0.00112	1	03/30/2018 20:42	WG1091540
trans-1,2-Dichloroethene	U		0.000295	0.00112	1	03/30/2018 20:42	WG1091540
1,2-Dichloropropane	U		0.000400	0.00112	1	03/30/2018 20:42	WG1091540
1,1-Dichloropropene	U		0.000354	0.00112	1	03/30/2018 20:42	WG1091540
1,3-Dichloropropane	U		0.000231	0.00112	1	03/30/2018 20:42	WG1091540
cis-1,3-Dichloropropene	U		0.000293	0.00112	1	03/30/2018 20:42	WG1091540
trans-1,3-Dichloropropene	U		0.000298	0.00112	1	03/30/2018 20:42	WG1091540
trans-1,4-Dichloro-2-butene	U	J0	0.000869	0.00279	1	03/30/2018 20:42	WG1091540
2,2-Dichloropropane	U		0.000312	0.00112	1	03/30/2018 20:42	WG1091540
Di-isopropyl ether	U		0.000277	0.00112	1	03/30/2018 20:42	WG1091540
Ethylbenzene	U		0.000332	0.00112	1	03/30/2018 20:42	WG1091540
Hexachloro-1,3-butadiene	U		0.000382	0.00112	1	03/30/2018 20:42	WG1091540
2-Hexanone	U	J0	0.00153	0.0112	1	03/30/2018 20:42	WG1091540
n-Hexane	U		0.000324	0.0112	1	03/30/2018 20:42	WG1091540
Iodomethane	U		0.00282	0.0112	1	03/30/2018 20:42	WG1091540
Isopropylbenzene	U		0.000271	0.00112	1	03/30/2018 20:42	WG1091540
p-Isopropyltoluene	U		0.000228	0.00112	1	03/30/2018 20:42	WG1091540
2-Butanone (MEK)	U		0.00523	0.0112	1	03/30/2018 20:42	WG1091540
Methylene Chloride	U		0.00112	0.00558	1	03/30/2018 20:42	WG1091540
4-Methyl-2-pentanone (MIBK)	U		0.00210	0.0112	1	03/30/2018 20:42	WG1091540

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000237	0.00112	1	03/30/2018 20:42	WG1091540
Naphthalene	U		0.00112	0.00558	1	03/30/2018 20:42	WG1091540
n-Propylbenzene	U		0.000230	0.00112	1	03/30/2018 20:42	WG1091540
Styrene	U		0.000261	0.00112	1	03/30/2018 20:42	WG1091540
1,1,1,2-Tetrachloroethane	U		0.000295	0.00112	1	03/30/2018 20:42	WG1091540
1,1,2,2-Tetrachloroethane	U		0.000408	0.00112	1	03/30/2018 20:42	WG1091540
1,1,2-Trichlorotrifluoroethane	U	J4	0.000408	0.00112	1	03/30/2018 20:42	WG1091540
Tetrachloroethene	0.00348	J0	0.000308	0.00112	1	03/30/2018 20:42	WG1091540
Toluene	U		0.000485	0.00558	1	03/30/2018 20:42	WG1091540
1,2,3-Trichlorobenzene	U		0.000342	0.00112	1	03/30/2018 20:42	WG1091540
1,2,4-Trichlorobenzene	U		0.000433	0.00112	1	03/30/2018 20:42	WG1091540
1,1,1-Trichloroethane	U		0.000319	0.00112	1	03/30/2018 20:42	WG1091540
1,1,2-Trichloroethane	U	J0	0.000309	0.00112	1	03/30/2018 20:42	WG1091540
Trichloroethene	U		0.000312	0.00112	1	03/30/2018 20:42	WG1091540
Trichlorofluoromethane	U	J4	0.000427	0.00558	1	03/30/2018 20:42	WG1091540
1,2,3-Trichloropropane	U		0.000827	0.00279	1	03/30/2018 20:42	WG1091540
1,2,4-Trimethylbenzene	U		0.000236	0.00112	1	03/30/2018 20:42	WG1091540
1,2,3-Trimethylbenzene	U		0.000320	0.00112	1	03/30/2018 20:42	WG1091540
1,3,5-Trimethylbenzene	U		0.000297	0.00112	1	03/30/2018 20:42	WG1091540
Vinyl acetate	U	J4	0.00267	0.0112	1	03/30/2018 20:42	WG1091540
Vinyl chloride	U		0.000325	0.00112	1	03/30/2018 20:42	WG1091540
Xylenes, Total	U		0.000779	0.00335	1	03/30/2018 20:42	WG1091540
(S) Toluene-d8	*102*			*80.0-120*		*03/30/2018 20:42*	WG1091540
(S) Dibromofluoromethane	*121*			*74.0-131*		*03/30/2018 20:42*	WG1091540
(S) 4-Bromofluorobenzene	*104*			*64.0-132*		*03/30/2018 20:42*	WG1091540

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	90.1		1	03/30/2018 14:41	WG1091662

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U	J0	0.0111	0.0555	1	03/30/2018 21:03	WG1091540
Acrylonitrile	U		0.00199	0.0111	1	03/30/2018 21:03	WG1091540
Benzene	U		0.000300	0.00111	1	03/30/2018 21:03	WG1091540
Bromobenzene	U		0.000315	0.00111	1	03/30/2018 21:03	WG1091540
Bromodichloromethane	U	J0	0.000282	0.00111	1	03/30/2018 21:03	WG1091540
Bromochloromethane	U		0.000433	0.00555	1	03/30/2018 21:03	WG1091540
Bromoform	U		0.000471	0.00111	1	03/30/2018 21:03	WG1091540
Bromomethane	U		0.00149	0.00555	1	03/30/2018 21:03	WG1091540
n-Butylbenzene	U		0.000286	0.00111	1	03/30/2018 21:03	WG1091540
sec-Butylbenzene	U		0.000223	0.00111	1	03/30/2018 21:03	WG1091540
tert-Butylbenzene	U		0.000229	0.00111	1	03/30/2018 21:03	WG1091540
Carbon disulfide	0.000425	J	0.000245	0.00111	1	03/30/2018 21:03	WG1091540
Carbon tetrachloride	U		0.000364	0.00111	1	03/30/2018 21:03	WG1091540
Chlorobenzene	U	J0	0.000235	0.00111	1	03/30/2018 21:03	WG1091540
Chlorodibromomethane	U		0.000414	0.00111	1	03/30/2018 21:03	WG1091540
Chloroethane	U		0.00105	0.00555	1	03/30/2018 21:03	WG1091540
Chloroform	U		0.000254	0.00555	1	03/30/2018 21:03	WG1091540
Chloromethane	U		0.000416	0.00278	1	03/30/2018 21:03	WG1091540
2-Chlorotoluene	U		0.000334	0.00111	1	03/30/2018 21:03	WG1091540
4-Chlorotoluene	U		0.000267	0.00111	1	03/30/2018 21:03	WG1091540
1,2-Dibromo-3-Chloropropane	U	J0	0.00117	0.00555	1	03/30/2018 21:03	WG1091540
1,2-Dibromoethane	U	J0	0.000381	0.00111	1	03/30/2018 21:03	WG1091540
Dibromomethane	U		0.000424	0.00111	1	03/30/2018 21:03	WG1091540
1,2-Dichlorobenzene	U		0.000339	0.00111	1	03/30/2018 21:03	WG1091540
1,3-Dichlorobenzene	U		0.000265	0.00111	1	03/30/2018 21:03	WG1091540
1,4-Dichlorobenzene	U		0.000251	0.00111	1	03/30/2018 21:03	WG1091540
Dichlorodifluoromethane	U		0.000792	0.00555	1	03/30/2018 21:03	WG1091540
1,1-Dichloroethane	U		0.000221	0.00111	1	03/30/2018 21:03	WG1091540
1,2-Dichloroethane	U		0.000294	0.00111	1	03/30/2018 21:03	WG1091540
1,1-Dichloroethene	U		0.000336	0.00111	1	03/30/2018 21:03	WG1091540
cis-1,2-Dichloroethene	0.00146		0.000261	0.00111	1	03/30/2018 21:03	WG1091540
trans-1,2-Dichloroethene	U		0.000293	0.00111	1	03/30/2018 21:03	WG1091540
1,2-Dichloropropane	U		0.000398	0.00111	1	03/30/2018 21:03	WG1091540
1,1-Dichloropropene	U		0.000352	0.00111	1	03/30/2018 21:03	WG1091540
1,3-Dichloropropane	U		0.000230	0.00111	1	03/30/2018 21:03	WG1091540
cis-1,3-Dichloropropene	U		0.000291	0.00111	1	03/30/2018 21:03	WG1091540
trans-1,3-Dichloropropene	U		0.000296	0.00111	1	03/30/2018 21:03	WG1091540
trans-1,4-Dichloro-2-butene	U	J0	0.000864	0.00278	1	03/30/2018 21:03	WG1091540
2,2-Dichloropropane	U		0.000310	0.00111	1	03/30/2018 21:03	WG1091540
Di-isopropyl ether	U		0.000275	0.00111	1	03/30/2018 21:03	WG1091540
Ethylbenzene	U		0.000330	0.00111	1	03/30/2018 21:03	WG1091540
Hexachloro-1,3-butadiene	U		0.000380	0.00111	1	03/30/2018 21:03	WG1091540
2-Hexanone	U	J0	0.00152	0.0111	1	03/30/2018 21:03	WG1091540
n-Hexane	U		0.000322	0.0111	1	03/30/2018 21:03	WG1091540
Iodomethane	U		0.00281	0.0111	1	03/30/2018 21:03	WG1091540
Isopropylbenzene	U		0.000270	0.00111	1	03/30/2018 21:03	WG1091540
p-Isopropyltoluene	U		0.000227	0.00111	1	03/30/2018 21:03	WG1091540
2-Butanone (MEK)	U		0.00520	0.0111	1	03/30/2018 21:03	WG1091540
Methylene Chloride	U		0.00111	0.00555	1	03/30/2018 21:03	WG1091540
4-Methyl-2-pentanone (MIBK)	U		0.00209	0.0111	1	03/30/2018 21:03	WG1091540

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000235	0.00111	1	03/30/2018 21:03	WG1091540
Naphthalene	U		0.00111	0.00555	1	03/30/2018 21:03	WG1091540
n-Propylbenzene	U		0.000229	0.00111	1	03/30/2018 21:03	WG1091540
Styrene	U		0.000260	0.00111	1	03/30/2018 21:03	WG1091540
1,1,1,2-Tetrachloroethane	U		0.000293	0.00111	1	03/30/2018 21:03	WG1091540
1,1,2,2-Tetrachloroethane	U		0.000405	0.00111	1	03/30/2018 21:03	WG1091540
1,1,2-Trichlorotrifluoroethane	U	J4	0.000405	0.00111	1	03/30/2018 21:03	WG1091540
Tetrachloroethene	0.0344	J0	0.000306	0.00111	1	03/30/2018 21:03	WG1091540
Toluene	U		0.000482	0.00555	1	03/30/2018 21:03	WG1091540
1,2,3-Trichlorobenzene	U		0.000340	0.00111	1	03/30/2018 21:03	WG1091540
1,2,4-Trichlorobenzene	U		0.000431	0.00111	1	03/30/2018 21:03	WG1091540
1,1,1-Trichloroethane	U		0.000318	0.00111	1	03/30/2018 21:03	WG1091540
1,1,2-Trichloroethane	U	J0	0.000308	0.00111	1	03/30/2018 21:03	WG1091540
Trichloroethene	0.00453		0.000310	0.00111	1	03/30/2018 21:03	WG1091540
Trichlorofluoromethane	U	J4	0.000424	0.00555	1	03/30/2018 21:03	WG1091540
1,2,3-Trichloropropane	U		0.000823	0.00278	1	03/30/2018 21:03	WG1091540
1,2,4-Trimethylbenzene	U		0.000234	0.00111	1	03/30/2018 21:03	WG1091540
1,2,3-Trimethylbenzene	U		0.000319	0.00111	1	03/30/2018 21:03	WG1091540
1,3,5-Trimethylbenzene	U		0.000295	0.00111	1	03/30/2018 21:03	WG1091540
Vinyl acetate	U	J4	0.00265	0.0111	1	03/30/2018 21:03	WG1091540
Vinyl chloride	U		0.000323	0.00111	1	03/30/2018 21:03	WG1091540
Xylenes, Total	U		0.000775	0.00333	1	03/30/2018 21:03	WG1091540
(S) Toluene-d8	*100*			*80.0-120*		*03/30/2018 21:03*	WG1091540
(S) Dibromofluoromethane	*120*			*74.0-131*		*03/30/2018 21:03*	WG1091540
(S) 4-Bromofluorobenzene	*106*			*64.0-132*		*03/30/2018 21:03*	WG1091540

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Method Blank (MB)

(MB) R3298000-1 03/30/18 17:11

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.00100			

L980722-06 Original Sample (OS) • Duplicate (DUP)

(OS) L980722-06 03/30/18 17:11 • (DUP) R3298000-3 03/30/18 17:11

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	89.4	91.0	1	1.73		5

Laboratory Control Sample (LCS)

(LCS) R3298000-2 03/30/18 17:11

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	99.9	85.0-115	

Method Blank (MB)

(MB) R3297994-1 03/30/18 16:43

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.000			

L980722-08 Original Sample (OS) • Duplicate (DUP)

(OS) L980722-08 03/30/18 16:43 • (DUP) R3297994-3 03/30/18 16:43

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	95.1	95.2	1	0.0938		5

Laboratory Control Sample (LCS)

(LCS) R3297994-2 03/30/18 16:43

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	85.0-115	

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Method Blank (MB)

(MB) R3298084-1 03/30/18 14:41

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.000			

L980722-20 Original Sample (OS) • Duplicate (DUP)

(OS) L980722-20 03/30/18 14:41 • (DUP) R3298084-3 03/30/18 14:41

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	90.1	86.6	1	3.94		5

Laboratory Control Sample (LCS)

(LCS) R3298084-2 03/30/18 14:41

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	85.0-115	

Method Blank (MB)

(MB) R3298081-3 03/30/18 01:19

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acetone	U		0.0100	0.0500
Acrylonitrile	U		0.00179	0.0100
Benzene	U		0.000270	0.00100
Bromobenzene	U		0.000284	0.00100
Bromodichloromethane	U		0.000254	0.00100
Bromochloromethane	U		0.000390	0.00500
Bromoform	U		0.000424	0.00100
Bromomethane	U		0.00134	0.00500
n-Butylbenzene	U		0.000258	0.00100
sec-Butylbenzene	U		0.000201	0.00100
tert-Butylbenzene	U		0.000206	0.00100
Carbon disulfide	U		0.000221	0.00100
Carbon tetrachloride	U		0.000328	0.00100
Chlorobenzene	U		0.000212	0.00100
Chlorodibromomethane	U		0.000373	0.00100
Chloroethane	U		0.000946	0.00500
Chloroform	U		0.000229	0.00500
Chloromethane	U		0.000375	0.00250
2-Chlorotoluene	U		0.000301	0.00100
4-Chlorotoluene	U		0.000240	0.00100
1,2-Dibromo-3-Chloropropane	U		0.00105	0.00500
1,2-Dibromoethane	U		0.000343	0.00100
Dibromomethane	U		0.000382	0.00100
1,2-Dichlorobenzene	U		0.000305	0.00100
1,3-Dichlorobenzene	U		0.000239	0.00100
1,4-Dichlorobenzene	U		0.000226	0.00100
trans-1,4-Dichloro-2-butene	U		0.000778	0.00250
Dichlorodifluoromethane	U		0.000713	0.00500
1,1-Dichloroethane	U		0.000199	0.00100
1,2-Dichloroethane	U		0.000265	0.00100
1,1-Dichloroethene	U		0.000303	0.00100
cis-1,2-Dichloroethene	U		0.000235	0.00100
trans-1,2-Dichloroethene	U		0.000264	0.00100
1,2-Dichloropropane	U		0.000358	0.00100
1,1-Dichloropropene	U		0.000317	0.00100
1,3-Dichloropropane	U		0.000207	0.00100
cis-1,3-Dichloropropene	U		0.000262	0.00100
trans-1,3-Dichloropropene	U		0.000267	0.00100
2,2-Dichloropropane	U		0.000279	0.00100
Di-isopropyl ether	U		0.000248	0.00100

Method Blank (MB)

(MB) R3298081-3 03/30/18 01:19

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Ethylbenzene	U		0.000297	0.00100
Hexachloro-1,3-butadiene	U		0.000342	0.00100
2-Hexanone	U		0.00137	0.0100
n-Hexane	U		0.000290	0.0100
Iodomethane	U		0.00253	0.0100
Isopropylbenzene	U		0.000243	0.00100
p-Isopropyltoluene	U		0.000204	0.00100
2-Butanone (MEK)	U		0.00468	0.0100
Methylene Chloride	U		0.00100	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.00188	0.0100
Methyl tert-butyl ether	U		0.000212	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.000206	0.00100
Styrene	U		0.000234	0.00100
1,1,1,2-Tetrachloroethane	U		0.000264	0.00100
1,1,2,2-Tetrachloroethane	U		0.000365	0.00100
Tetrachloroethene	U		0.000276	0.00100
Toluene	U		0.000434	0.00500
1,1,2-Trichlorotrifluoroethane	U		0.000365	0.00100
1,2,3-Trichlorobenzene	U		0.000306	0.00100
1,2,4-Trichlorobenzene	U		0.000388	0.00100
1,1,1-Trichloroethane	U		0.000286	0.00100
1,1,2-Trichloroethane	U		0.000277	0.00100
Trichloroethene	U		0.000279	0.00100
Trichlorofluoromethane	U		0.000382	0.00500
1,2,3-Trichloropropane	U		0.000741	0.00250
1,2,3-Trimethylbenzene	U		0.000287	0.00100
1,2,4-Trimethylbenzene	U		0.000211	0.00100
1,3,5-Trimethylbenzene	U		0.000266	0.00100
Vinyl acetate	U		0.00239	0.0100
Vinyl chloride	U		0.000291	0.00100
Xylenes, Total	U		0.000698	0.00300
(S) Toluene-d8	*108*			*80.0-120*
(S) Dibromofluoromethane	*95.9*			*74.0-131*
(S) 4-Bromofluorobenzene	*103*			*64.0-132*

Method Blank (MB)

(MB) R3298279-3 04/01/18 12:21

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acetone	U		0.0100	0.0500
Acrylonitrile	U		0.00179	0.0100
Benzene	U		0.000270	0.00100
Bromobenzene	U		0.000284	0.00100
Bromodichloromethane	U		0.000254	0.00100
Bromochloromethane	U		0.000390	0.00500
Bromoform	U		0.000424	0.00100
Bromomethane	U		0.00134	0.00500
n-Butylbenzene	U		0.000258	0.00100
sec-Butylbenzene	U		0.000201	0.00100
tert-Butylbenzene	U		0.000206	0.00100
Carbon disulfide	U		0.000221	0.00100
Carbon tetrachloride	U		0.000328	0.00100
Chlorobenzene	U		0.000212	0.00100
Chlorodibromomethane	U		0.000373	0.00100
Chloroethane	U		0.000946	0.00500
Chloroform	U		0.000229	0.00500
Chloromethane	U		0.000375	0.00250
2-Chlorotoluene	U		0.000301	0.00100
4-Chlorotoluene	U		0.000240	0.00100
1,2-Dibromo-3-Chloropropane	U		0.00105	0.00500
1,2-Dibromoethane	U		0.000343	0.00100
Dibromomethane	U		0.000382	0.00100
1,2-Dichlorobenzene	U		0.000305	0.00100
1,3-Dichlorobenzene	U		0.000239	0.00100
1,4-Dichlorobenzene	U		0.000226	0.00100
trans-1,4-Dichloro-2-butene	U		0.000778	0.00250
Dichlorodifluoromethane	U		0.000713	0.00500
1,1-Dichloroethane	U		0.000199	0.00100
1,2-Dichloroethane	U		0.000265	0.00100
1,1-Dichloroethene	U		0.000303	0.00100
cis-1,2-Dichloroethene	U		0.000235	0.00100
trans-1,2-Dichloroethene	U		0.000264	0.00100
1,2-Dichloropropane	U		0.000358	0.00100
1,1-Dichloropropene	U		0.000317	0.00100
1,3-Dichloropropane	U		0.000207	0.00100
cis-1,3-Dichloropropene	U		0.000262	0.00100
trans-1,3-Dichloropropene	U		0.000267	0.00100
2,2-Dichloropropane	U		0.000279	0.00100
Di-isopropyl ether	U		0.000248	0.00100

Method Blank (MB)

(MB) R3298279-3 04/01/18 12:21

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Ethylbenzene	U		0.000297	0.00100
Hexachloro-1,3-butadiene	U		0.000342	0.00100
2-Hexanone	U		0.00137	0.0100
n-Hexane	0.000325	J	0.000290	0.0100
Iodomethane	U		0.00253	0.0100
Isopropylbenzene	U		0.000243	0.00100
p-Isopropyltoluene	U		0.000204	0.00100
2-Butanone (MEK)	U		0.00468	0.0100
Methylene Chloride	U		0.00100	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.00188	0.0100
Methyl tert-butyl ether	U		0.000212	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.000206	0.00100
Styrene	U		0.000234	0.00100
1,1,1,2-Tetrachloroethane	U		0.000264	0.00100
1,1,2,2-Tetrachloroethane	U		0.000365	0.00100
Tetrachloroethene	U		0.000276	0.00100
Toluene	U		0.000434	0.00500
1,1,2-Trichlorotrifluoroethane	U		0.000365	0.00100
1,2,3-Trichlorobenzene	U		0.000306	0.00100
1,2,4-Trichlorobenzene	U		0.000388	0.00100
1,1,1-Trichloroethane	U		0.000286	0.00100
1,1,2-Trichloroethane	U		0.000277	0.00100
Trichloroethene	U		0.000279	0.00100
Trichlorofluoromethane	U		0.000382	0.00500
1,2,3-Trichloropropane	U		0.000741	0.00250
1,2,3-Trimethylbenzene	U		0.000287	0.00100
1,2,4-Trimethylbenzene	U		0.000211	0.00100
1,3,5-Trimethylbenzene	U		0.000266	0.00100
Vinyl acetate	U		0.00239	0.0100
Vinyl chloride	U		0.000291	0.00100
Xylenes, Total	U		0.000698	0.00300
(S) Toluene-d8	*113*			*80.0-120*
(S) Dibromofluoromethane	*98.7*			*74.0-131*
(S) 4-Bromofluorobenzene	*100*			*64.0-132*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3298081-1 03/30/18 00:16 • (LCSD) R3298081-2 03/30/18 00:37

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.125	0.110	0.116	87.8	93.0	11.0-160			5.70	23
Acrylonitrile	0.125	0.136	0.145	109	116	61.0-143			6.30	20
Benzene	0.0250	0.0268	0.0270	107	108	71.0-124			0.876	20
Bromobenzene	0.0250	0.0256	0.0254	102	102	78.0-120			0.540	20
Bromodichloromethane	0.0250	0.0278	0.0277	111	111	75.0-120			0.368	20
Bromochloromethane	0.0250	0.0270	0.0279	108	112	80.0-121			3.41	20
Bromoform	0.0250	0.0266	0.0271	106	109	65.0-133			2.20	20
Bromomethane	0.0250	0.0244	0.0245	97.4	97.9	26.0-160			0.505	20
n-Butylbenzene	0.0250	0.0276	0.0274	110	109	73.0-126			0.858	20
sec-Butylbenzene	0.0250	0.0267	0.0268	107	107	75.0-121			0.330	20
tert-Butylbenzene	0.0250	0.0273	0.0272	109	109	74.0-122			0.601	20
Carbon disulfide	0.0250	0.0295	0.0301	118	120	53.0-130			1.96	20
Carbon tetrachloride	0.0250	0.0260	0.0263	104	105	66.0-123			1.14	20
Chlorobenzene	0.0250	0.0272	0.0276	109	111	79.0-121			1.58	20
Chlorodibromomethane	0.0250	0.0282	0.0285	113	114	74.0-128			0.774	20
Chloroethane	0.0250	0.0244	0.0251	97.5	101	51.0-147			3.07	20
Chloroform	0.0250	0.0263	0.0270	105	108	73.0-123			2.44	20
Chloromethane	0.0250	0.0268	0.0267	107	107	51.0-138			0.484	20
2-Chlorotoluene	0.0250	0.0265	0.0265	106	106	72.0-124			0.0893	20
4-Chlorotoluene	0.0250	0.0261	0.0260	104	104	78.0-120			0.148	20
1,2-Dibromo-3-Chloropropane	0.0250	0.0252	0.0262	101	105	65.0-126			3.79	20
1,2-Dibromoethane	0.0250	0.0276	0.0278	110	111	78.0-122			0.915	20
Dibromomethane	0.0250	0.0273	0.0275	109	110	79.0-120			0.825	20
1,2-Dichlorobenzene	0.0250	0.0259	0.0263	104	105	80.0-120			1.78	20
1,3-Dichlorobenzene	0.0250	0.0262	0.0265	105	106	72.0-123			1.15	20
1,4-Dichlorobenzene	0.0250	0.0252	0.0254	101	102	77.0-120			0.798	20
trans-1,4-Dichloro-2-butene	0.0250	0.0298	0.0314	119	126	68.0-126			5.24	20
Dichlorodifluoromethane	0.0250	0.0267	0.0261	107	104	49.0-155			2.34	20
1,1-Dichloroethane	0.0250	0.0274	0.0276	109	110	70.0-128			0.960	20
1,2-Dichloroethane	0.0250	0.0265	0.0268	106	107	69.0-128			1.18	20
1,1-Dichloroethene	0.0250	0.0279	0.0277	112	111	63.0-131			0.861	20
cis-1,2-Dichloroethene	0.0250	0.0264	0.0274	105	109	74.0-123			3.76	20
trans-1,2-Dichloroethene	0.0250	0.0274	0.0283	110	113	72.0-122			3.03	20
1,2-Dichloropropane	0.0250	0.0277	0.0277	111	111	75.0-126			0.285	20
1,1-Dichloropropene	0.0250	0.0267	0.0266	107	106	72.0-130			0.465	20
1,3-Dichloropropane	0.0250	0.0264	0.0276	105	110	80.0-121			4.38	20
cis-1,3-Dichloropropene	0.0250	0.0276	0.0276	110	110	80.0-125			0.00547	20
trans-1,3-Dichloropropene	0.0250	0.0273	0.0273	109	109	75.0-129			0.0299	20
2,2-Dichloropropane	0.0250	0.0270	0.0272	108	109	60.0-129			0.942	20
Di-isopropyl ether	0.0250	0.0270	0.0275	108	110	62.0-133			1.98	20

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3298081-1 03/30/18 00:16 • (LCSD) R3298081-2 03/30/18 00:37

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Ethylbenzene	0.0250	0.0280	0.0285	112	114	77.0-120			1.83	20
Hexachloro-1,3-butadiene	0.0250	0.0278	0.0281	111	112	68.0-128			0.955	20
2-Hexanone	0.125	0.135	0.147	108	117	61.0-143			8.64	20
n-Hexane	0.0250	0.0290	0.0293	116	117	57.0-125			1.03	20
Iodomethane	0.125	0.139	0.142	111	113	67.0-132			1.91	20
Isopropylbenzene	0.0250	0.0267	0.0264	107	106	75.0-120			1.10	20
p-Isopropyltoluene	0.0250	0.0270	0.0270	108	108	74.0-125			0.143	20
2-Butanone (MEK)	0.125	0.132	0.138	106	110	37.0-159			4.41	20
Methylene Chloride	0.0250	0.0264	0.0264	106	105	67.0-123			0.230	20
4-Methyl-2-pentanone (MIBK)	0.125	0.141	0.150	113	120	60.0-144			6.02	20
Methyl tert-butyl ether	0.0250	0.0273	0.0285	109	114	66.0-125			4.52	20
Naphthalene	0.0250	0.0263	0.0273	105	109	64.0-125			3.56	20
n-Propylbenzene	0.0250	0.0266	0.0262	106	105	78.0-120			1.47	20
Styrene	0.0250	0.0287	0.0288	115	115	78.0-124			0.463	20
1,1,1,2-Tetrachloroethane	0.0250	0.0276	0.0286	110	114	74.0-124			3.73	20
1,1,2,2-Tetrachloroethane	0.0250	0.0251	0.0256	101	102	73.0-120			1.86	20
Tetrachloroethene	0.0250	0.0271	0.0270	108	108	70.0-127			0.189	20
Toluene	0.0250	0.0268	0.0271	107	108	77.0-120			1.19	20
1,1,2-Trichlorotrifluoroethane	0.0250	0.0275	0.0279	110	112	64.0-135			1.60	20
1,2,3-Trichlorobenzene	0.0250	0.0264	0.0272	105	109	68.0-126			3.17	20
1,2,4-Trichlorobenzene	0.0250	0.0267	0.0271	107	108	70.0-127			1.47	20
1,1,1-Trichloroethane	0.0250	0.0275	0.0277	110	111	69.0-125			0.600	20
1,1,2-Trichloroethane	0.0250	0.0263	0.0269	105	108	78.0-120			2.29	20
Trichloroethene	0.0250	0.0277	0.0282	111	113	79.0-120			1.85	20
Trichlorofluoromethane	0.0250	0.0272	0.0281	109	112	59.0-136			3.02	20
1,2,3-Trichloropropane	0.0250	0.0247	0.0253	98.9	101	73.0-124			2.10	20
1,2,3-Trimethylbenzene	0.0250	0.0263	0.0264	105	105	76.0-120			0.232	20
1,2,4-Trimethylbenzene	0.0250	0.0267	0.0267	107	107	75.0-120			0.251	20
1,3,5-Trimethylbenzene	0.0250	0.0265	0.0268	106	107	75.0-120			1.07	20
Vinyl acetate	0.125	0.144	0.147	116	118	58.0-156			1.68	20
Vinyl chloride	0.0250	0.0291	0.0293	116	117	63.0-134			0.698	20
Xylenes, Total	0.0750	0.0850	0.0865	113	115	77.0-120			1.75	20
(S) Toluene-d8				*108*	*109*	*80.0-120*				
(S) Dibromofluoromethane				*95.8*	*97.1*	*74.0-131*				
(S) 4-Bromofluorobenzene				*94.1*	*93.7*	*64.0-132*				

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3298279-1 04/01/18 11:16 • (LCSD) R3298279-2 04/01/18 11:38

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.125	0.122	0.130	97.8	104	11.0-160			6.51	23
Acrylonitrile	0.125	0.129	0.150	103	120	61.0-143			15.2	20
Benzene	0.0250	0.0263	0.0276	105	110	71.0-124			4.61	20
Bromobenzene	0.0250	0.0257	0.0271	103	108	78.0-120			5.35	20
Bromodichloromethane	0.0250	0.0265	0.0290	106	116	75.0-120			8.90	20
Bromochloromethane	0.0250	0.0264	0.0292	106	117	80.0-121			10.1	20
Bromoform	0.0250	0.0265	0.0302	106	121	65.0-133			13.2	20
Bromomethane	0.0250	0.0267	0.0282	107	113	26.0-160			5.38	20
n-Butylbenzene	0.0250	0.0273	0.0280	109	112	73.0-126			2.51	20
sec-Butylbenzene	0.0250	0.0270	0.0287	108	115	75.0-121			6.01	20
tert-Butylbenzene	0.0250	0.0274	0.0292	110	117	74.0-122			6.23	20
Carbon disulfide	0.0250	0.0264	0.0281	106	112	53.0-130			6.21	20
Carbon tetrachloride	0.0250	0.0274	0.0267	110	107	66.0-123			2.54	20
Chlorobenzene	0.0250	0.0279	0.0294	112	118	79.0-121			5.38	20
Chlorodibromomethane	0.0250	0.0279	0.0306	112	122	74.0-128			9.10	20
Chloroethane	0.0250	0.0264	0.0280	106	112	51.0-147			5.67	20
Chloroform	0.0250	0.0267	0.0281	107	112	73.0-123			5.08	20
Chloromethane	0.0250	0.0266	0.0287	107	115	51.0-138			7.39	20
2-Chlorotoluene	0.0250	0.0273	0.0281	109	113	72.0-124			2.97	20
4-Chlorotoluene	0.0250	0.0263	0.0272	105	109	78.0-120			3.41	20
1,2-Dibromo-3-Chloropropane	0.0250	0.0253	0.0306	101	123	65.0-126			19.0	20
1,2-Dibromoethane	0.0250	0.0267	0.0307	107	123	78.0-122		J4	14.0	20
Dibromomethane	0.0250	0.0257	0.0291	103	116	79.0-120			12.5	20
1,2-Dichlorobenzene	0.0250	0.0272	0.0294	109	118	80.0-120			7.59	20
1,3-Dichlorobenzene	0.0250	0.0274	0.0284	110	113	72.0-123			3.50	20
1,4-Dichlorobenzene	0.0250	0.0262	0.0276	105	110	77.0-120			5.04	20
trans-1,4-Dichloro-2-butene	0.0250	0.0264	0.0318	106	127	68.0-126		J4	18.5	20
Dichlorodifluoromethane	0.0250	0.0288	0.0302	115	121	49.0-155			4.87	20
1,1-Dichloroethane	0.0250	0.0275	0.0289	110	116	70.0-128			4.93	20
1,2-Dichloroethane	0.0250	0.0259	0.0279	104	112	69.0-128			7.38	20
1,1-Dichloroethene	0.0250	0.0272	0.0287	109	115	63.0-131			5.42	20
cis-1,2-Dichloroethene	0.0250	0.0272	0.0284	109	114	74.0-123			4.26	20
trans-1,2-Dichloroethene	0.0250	0.0269	0.0288	108	115	72.0-122			6.91	20
1,2-Dichloropropane	0.0250	0.0274	0.0294	110	118	75.0-126			7.05	20
1,1-Dichloropropene	0.0250	0.0265	0.0274	106	110	72.0-130			3.35	20
1,3-Dichloropropane	0.0250	0.0269	0.0290	107	116	80.0-121			7.78	20
cis-1,3-Dichloropropene	0.0250	0.0281	0.0294	112	118	80.0-125			4.76	20
trans-1,3-Dichloropropene	0.0250	0.0277	0.0299	111	119	75.0-129			7.43	20
2,2-Dichloropropane	0.0250	0.0251	0.0278	100	111	60.0-129			10.3	20
Di-isopropyl ether	0.0250	0.0272	0.0292	109	117	62.0-133			7.10	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3298279-1 04/01/18 11:16 • (LCSD) R3298279-2 04/01/18 11:38

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Ethylbenzene	0.0250	0.0280	0.0292	112	117	77.0-120			4.31	20
Hexachloro-1,3-butadiene	0.0250	0.0281	0.0291	112	116	68.0-128			3.65	20
2-Hexanone	0.125	0.138	0.175	110	140	61.0-143		J3	23.9	20
n-Hexane	0.0250	0.0260	0.0272	104	109	57.0-125			4.48	20
Iodomethane	0.125	0.135	0.142	108	114	67.0-132			5.06	20
Isopropylbenzene	0.0250	0.0271	0.0281	108	112	75.0-120			3.47	20
p-Isopropyltoluene	0.0250	0.0283	0.0294	113	118	74.0-125			3.78	20
2-Butanone (MEK)	0.125	0.129	0.154	103	124	37.0-159			18.2	20
Methylene Chloride	0.0250	0.0266	0.0284	106	113	67.0-123			6.50	20
4-Methyl-2-pentanone (MIBK)	0.125	0.137	0.167	109	134	60.0-144		J3	20.1	20
Methyl tert-butyl ether	0.0250	0.0259	0.0298	103	119	66.0-125			14.2	20
Naphthalene	0.0250	0.0263	0.0306	105	122	64.0-125			14.8	20
n-Propylbenzene	0.0250	0.0271	0.0278	108	111	78.0-120			2.79	20
Styrene	0.0250	0.0273	0.0286	109	115	78.0-124			4.77	20
1,1,1,2-Tetrachloroethane	0.0250	0.0286	0.0300	114	120	74.0-124			4.86	20
1,1,2,2-Tetrachloroethane	0.0250	0.0254	0.0297	102	119	73.0-120			15.4	20
Tetrachloroethene	0.0250	0.0284	0.0293	114	117	70.0-127			3.23	20
Toluene	0.0250	0.0269	0.0278	108	111	77.0-120			3.43	20
1,1,2-Trichlorotrifluoroethane	0.0250	0.0273	0.0295	109	118	64.0-135			7.67	20
1,2,3-Trichlorobenzene	0.0250	0.0274	0.0296	110	118	68.0-126			7.86	20
1,2,4-Trichlorobenzene	0.0250	0.0272	0.0284	109	113	70.0-127			4.33	20
1,1,1-Trichloroethane	0.0250	0.0268	0.0284	107	114	69.0-125			5.66	20
1,1,2-Trichloroethane	0.0250	0.0267	0.0296	107	118	78.0-120			10.2	20
Trichloroethene	0.0250	0.0282	0.0305	113	122	79.0-120		J4	7.92	20
Trichlorofluoromethane	0.0250	0.0290	0.0320	116	128	59.0-136			9.91	20
1,2,3-Trichloropropane	0.0250	0.0262	0.0298	105	119	73.0-124			12.8	20
1,2,3-Trimethylbenzene	0.0250	0.0268	0.0283	107	113	76.0-120			5.50	20
1,2,4-Trimethylbenzene	0.0250	0.0271	0.0282	108	113	75.0-120			4.04	20
1,3,5-Trimethylbenzene	0.0250	0.0274	0.0284	110	114	75.0-120			3.50	20
Vinyl acetate	0.125	0.140	0.154	112	123	58.0-156			9.62	20
Vinyl chloride	0.0250	0.0290	0.0309	116	124	63.0-134			6.12	20
Xylenes, Total	0.0750	0.0858	0.0893	114	119	77.0-120		J4	4.00	20
(S) Toluene-d8				*109*	*108*	*80.0-120*				
(S) Dibromofluoromethane				*95.5*	*97.1*	*74.0-131*				
(S) 4-Bromofluorobenzene				*92.8*	*92.6*	*64.0-132*				

Method Blank (MB)

(MB) R3298057-2 03/30/18 11:05

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acetone	U		0.0100	0.0500
Acrylonitrile	U		0.00179	0.0100
Benzene	U		0.000270	0.00100
Bromobenzene	U		0.000284	0.00100
Bromodichloromethane	U		0.000254	0.00100
Bromochloromethane	U		0.000390	0.00500
Bromoform	U		0.000424	0.00100
Bromomethane	U		0.00134	0.00500
n-Butylbenzene	U		0.000258	0.00100
sec-Butylbenzene	U		0.000201	0.00100
tert-Butylbenzene	U		0.000206	0.00100
Carbon disulfide	U		0.000221	0.00100
Carbon tetrachloride	U		0.000328	0.00100
Chlorobenzene	U		0.000212	0.00100
Chlorodibromomethane	U		0.000373	0.00100
Chloroethane	U		0.000946	0.00500
Chloroform	U		0.000229	0.00500
Chloromethane	U		0.000375	0.00250
2-Chlorotoluene	U		0.000301	0.00100
4-Chlorotoluene	U		0.000240	0.00100
1,2-Dibromo-3-Chloropropane	U		0.00105	0.00500
1,2-Dibromoethane	U		0.000343	0.00100
Dibromomethane	U		0.000382	0.00100
1,2-Dichlorobenzene	U		0.000305	0.00100
1,3-Dichlorobenzene	U		0.000239	0.00100
1,4-Dichlorobenzene	U		0.000226	0.00100
trans-1,4-Dichloro-2-butene	U		0.000778	0.00250
Dichlorodifluoromethane	U		0.000713	0.00500
1,1-Dichloroethane	U		0.000199	0.00100
1,2-Dichloroethane	U		0.000265	0.00100
1,1-Dichloroethene	U		0.000303	0.00100
cis-1,2-Dichloroethene	U		0.000235	0.00100
trans-1,2-Dichloroethene	U		0.000264	0.00100
1,2-Dichloropropane	U		0.000358	0.00100
1,1-Dichloropropene	U		0.000317	0.00100
1,3-Dichloropropane	U		0.000207	0.00100
cis-1,3-Dichloropropene	U		0.000262	0.00100
trans-1,3-Dichloropropene	U		0.000267	0.00100
2,2-Dichloropropane	U		0.000279	0.00100
Di-isopropyl ether	U		0.000248	0.00100

Method Blank (MB)

(MB) R3298057-2 03/30/18 11:05

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Ethylbenzene	U		0.000297	0.00100
Hexachloro-1,3-butadiene	U		0.000342	0.00100
2-Hexanone	U		0.00137	0.0100
n-Hexane	U		0.000290	0.0100
Iodomethane	U		0.00253	0.0100
Isopropylbenzene	U		0.000243	0.00100
p-Isopropyltoluene	U		0.000204	0.00100
2-Butanone (MEK)	U		0.00468	0.0100
Methylene Chloride	U		0.00100	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.00188	0.0100
Methyl tert-butyl ether	U		0.000212	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.000206	0.00100
Styrene	U		0.000234	0.00100
1,1,1,2-Tetrachloroethane	U		0.000264	0.00100
1,1,2,2-Tetrachloroethane	U		0.000365	0.00100
Tetrachloroethene	U		0.000276	0.00100
Toluene	U		0.000434	0.00500
1,1,2-Trichlorotrifluoroethane	U		0.000365	0.00100
1,2,3-Trichlorobenzene	U		0.000306	0.00100
1,2,4-Trichlorobenzene	U		0.000388	0.00100
1,1,1-Trichloroethane	U		0.000286	0.00100
1,1,2-Trichloroethane	U		0.000277	0.00100
Trichloroethene	U		0.000279	0.00100
Trichlorofluoromethane	U		0.000382	0.00500
1,2,3-Trichloropropane	U		0.000741	0.00250
1,2,3-Trimethylbenzene	U		0.000287	0.00100
1,2,4-Trimethylbenzene	U		0.000211	0.00100
1,3,5-Trimethylbenzene	U		0.000266	0.00100
Vinyl acetate	U		0.00239	0.0100
Vinyl chloride	U		0.000291	0.00100
Xylenes, Total	U		0.000698	0.00300
(S) Toluene-d8	*103*			*80.0-120*
(S) Dibromofluoromethane	*117*			*74.0-131*
(S) 4-Bromofluorobenzene	*108*			*64.0-132*

Laboratory Control Sample (LCS)

(LCS) R3298057-1 03/30/18 09:53

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	0.125	0.0775	62.0	11.0-160	
Acrylonitrile	0.125	0.120	96.2	61.0-143	
Benzene	0.0250	0.0266	106	71.0-124	
Bromobenzene	0.0250	0.0244	97.4	78.0-120	
Bromodichloromethane	0.0250	0.0214	85.5	75.0-120	
Bromochloromethane	0.0250	0.0262	105	80.0-121	
Bromoform	0.0250	0.0220	88.2	65.0-133	
Bromomethane	0.0250	0.0344	138	26.0-160	
n-Butylbenzene	0.0250	0.0262	105	73.0-126	
sec-Butylbenzene	0.0250	0.0244	97.5	75.0-121	
tert-Butylbenzene	0.0250	0.0252	101	74.0-122	
Carbon disulfide	0.0250	0.0315	126	53.0-130	
Carbon tetrachloride	0.0250	0.0273	109	66.0-123	
Chlorobenzene	0.0250	0.0255	102	79.0-121	
Chlorodibromomethane	0.0250	0.0212	85.0	74.0-128	
Chloroethane	0.0250	0.0320	128	51.0-147	
Chloroform	0.0250	0.0264	106	73.0-123	
Chloromethane	0.0250	0.0316	126	51.0-138	
2-Chlorotoluene	0.0250	0.0276	110	72.0-124	
4-Chlorotoluene	0.0250	0.0260	104	78.0-120	
1,2-Dibromo-3-Chloropropane	0.0250	0.0198	79.3	65.0-126	
1,2-Dibromoethane	0.0250	0.0210	84.2	78.0-122	
Dibromomethane	0.0250	0.0239	95.5	79.0-120	
1,2-Dichlorobenzene	0.0250	0.0248	99.1	80.0-120	
1,3-Dichlorobenzene	0.0250	0.0257	103	72.0-123	
1,4-Dichlorobenzene	0.0250	0.0251	100	77.0-120	
trans-1,4-Dichloro-2-butene	0.0250	0.0180	72.1	68.0-126	
Dichlorodifluoromethane	0.0250	0.0315	126	49.0-155	
1,1-Dichloroethane	0.0250	0.0276	110	70.0-128	
1,2-Dichloroethane	0.0250	0.0255	102	69.0-128	
1,1-Dichloroethene	0.0250	0.0306	122	63.0-131	
cis-1,2-Dichloroethene	0.0250	0.0276	110	74.0-123	
trans-1,2-Dichloroethene	0.0250	0.0291	116	72.0-122	
1,2-Dichloropropane	0.0250	0.0239	95.5	75.0-126	
1,1-Dichloropropene	0.0250	0.0295	118	72.0-130	
1,3-Dichloropropane	0.0250	0.0235	93.8	80.0-121	
cis-1,3-Dichloropropene	0.0250	0.0221	88.4	80.0-125	
trans-1,3-Dichloropropene	0.0250	0.0214	85.7	75.0-129	
2,2-Dichloropropane	0.0250	0.0323	129	60.0-129	
Di-isopropyl ether	0.0250	0.0291	116	62.0-133	

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Laboratory Control Sample (LCS)

(LCS) R3298057-1 03/30/18 09:53

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Ethylbenzene	0.0250	0.0242	96.7	77.0-120	
Hexachloro-1,3-butadiene	0.0250	0.0220	88.2	68.0-128	
2-Hexanone	0.125	0.0972	77.7	61.0-143	
n-Hexane	0.0250	0.0252	101	57.0-125	
Iodomethane	0.125	0.162	129	67.0-132	
Isopropylbenzene	0.0250	0.0246	98.5	75.0-120	
p-Isopropyltoluene	0.0250	0.0258	103	74.0-125	
2-Butanone (MEK)	0.125	0.114	90.9	37.0-159	
Methylene Chloride	0.0250	0.0243	97.3	67.0-123	
4-Methyl-2-pentanone (MIBK)	0.125	0.113	90.0	60.0-144	
Methyl tert-butyl ether	0.0250	0.0239	95.7	66.0-125	
Naphthalene	0.0250	0.0199	79.4	64.0-125	
n-Propylbenzene	0.0250	0.0273	109	78.0-120	
Styrene	0.0250	0.0234	93.6	78.0-124	
1,1,1,2-Tetrachloroethane	0.0250	0.0229	91.5	74.0-124	
1,1,2,2-Tetrachloroethane	0.0250	0.0223	89.2	73.0-120	
Tetrachloroethene	0.0250	0.0210	83.8	70.0-127	
Toluene	0.0250	0.0232	92.8	77.0-120	
1,1,2-Trichlorotrifluoroethane	0.0250	0.0362	145	64.0-135	J4
1,2,3-Trichlorobenzene	0.0250	0.0231	92.3	68.0-126	
1,2,4-Trichlorobenzene	0.0250	0.0244	97.5	70.0-127	
1,1,1-Trichloroethane	0.0250	0.0288	115	69.0-125	
1,1,2-Trichloroethane	0.0250	0.0204	81.4	78.0-120	
Trichloroethene	0.0250	0.0271	109	79.0-120	
Trichlorofluoromethane	0.0250	0.0347	139	59.0-136	J4
1,2,3-Trichloropropane	0.0250	0.0220	87.9	73.0-124	
1,2,3-Trimethylbenzene	0.0250	0.0246	98.3	76.0-120	
1,2,4-Trimethylbenzene	0.0250	0.0246	98.3	75.0-120	
1,3,5-Trimethylbenzene	0.0250	0.0258	103	75.0-120	
Vinyl acetate	0.125	0.205	164	58.0-156	J4
Vinyl chloride	0.0250	0.0277	111	63.0-134	
Xylenes, Total	0.0750	0.0694	92.5	77.0-120	
(S) Toluene-d8			*102*	*80.0-120*	
(S) Dibromofluoromethane			*108*	*74.0-131*	
(S) 4-Bromofluorobenzene			*106*	*64.0-132*	

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Abbreviations and Definitions

(dry)	Results are reported based on the dry weight of the sample. [this will only be present on a dry report basis for soils].
MDL	Method Detection Limit.
MDL (dry)	Method Detection Limit.
RDL	Reported Detection Limit.
RDL (dry)	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
J	The identification of the analyte is acceptable; the reported value is an estimate.
J0	J0: Calibration verification outside of acceptance limits. Result is estimated.
J1	Surrogate recovery limits have been exceeded; values are outside upper control limits.
J2	Surrogate recovery limits have been exceeded; values are outside lower control limits.
J3	The associated batch QC was outside the established quality control range for precision.
J4	The associated batch QC was outside the established quality control range for accuracy.

ACCREDITATIONS & LOCATIONS

ESC Lab Sciences is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our one location design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be YOUR LAB OF CHOICE.
* Not all certifications held by the laboratory are applicable to the results reported in the attached report.
* Accreditation is only applicable to the test methods specified on each scope of accreditation held by ESC Lab Sciences.

State Accreditations

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN-03-2002-34
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	n/a
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO00356
Kentucky [1,6]	90010	South Carolina	84004
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1,4]	2006
Louisiana [1]	LA180010	Texas	T 104704245-17-14
Maine	TN0002	Texas [5]	LAB0152
Maryland	324	Utah	TN00003
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	460132
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	9980939910
Montana	CERT0086	Wyoming	A2LA

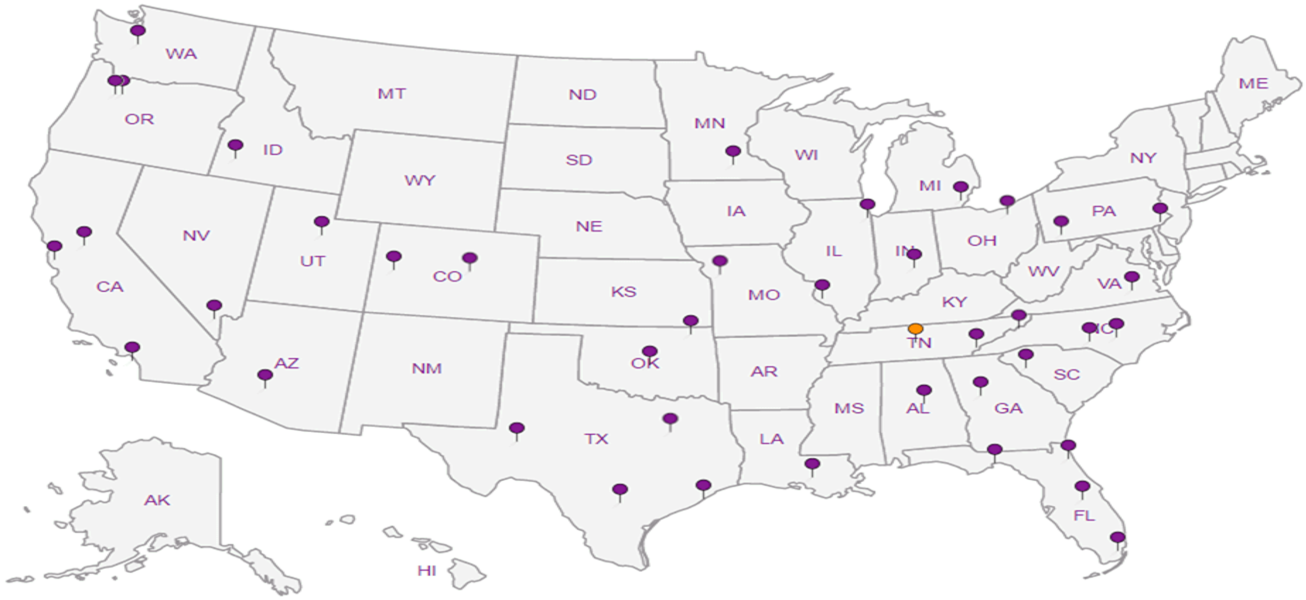
Third Party Federal Accreditations

A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

Our Locations

ESC Lab Sciences has sixty-four client support centers that provide sample pickup and/or the delivery of sampling supplies. If you would like assistance from one of our support offices, please contact our main office. ESC Lab Sciences performs all testing at our central laboratory.



PES Environmental, Inc.- WA

1215 Fourth Ave., Suite 1350
Seattle, WA 98161

Billing Information:
Attn: Accounts Payable
1215 Fourth Ave., Ste. 1350
Seattle, WA 98161

Pres Chk

Chain of Custody Page ___ of ___

ESC LAB SCIENCES
a subsidiary of Pace

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

Report to: Bill Haldeman /Brian ONeal

Email To: bhaldeman@pesenv.com
BONEAL@pesenv.com

Project Description: American Linen Project

City/State Collected: Seattle WA

Phone: 206-529-3980
Fax: 206-529-3985

Client Project # 1413.001.~~02.602~~ 05.304

Lab Project # PESENVSWA-ALP

L# 980722

E194

Collected by (print): Rachel McLaughlin

Site/Facility ID #

P.O. #

Acctnum: PESENVSWA
Template: T130006
Prelogin: P638152
TSR: 110 - Brian Ford
PB:
Shipped Via:

Collected by (signature): R McLaughlin

Immediately Packed on Ice N X Y ___

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260C VOCs 40ml/NaHSO4/Syr/MeOH	dry wt/voc screen 2ozClr-NoPres									Remarks	Sample # (lab only)
IW-46B-5	Grab	SS	5	3-20-18	1315	5	X	X										01
IW-46B-10		SS	10		1327													02
IW-46B-15		SS	15		1342													03
IW-46B-20		SS	20		1355													04
IW-46B-25		SS	25		1405													05
IW-46B-30		SS	30		1415													06
IW-46B-35		SS	35		1420													07
IW-46B-40		SS	40		1432													8
IW-46B-45		SS	45		1449													09
IW-46B-50	X	SS	50	X	1459	X	X	X										10

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_________

Remarks:

pH ______ Temp ______

Flow ______ Other ______

Samples returned via:
__ UPS __ FedEx __ Courier __ ______

Tracking # 6777 0008 4046

Sample Receipt Checklist
COC Seal Present/Intact: __NP [✓ Y] __N
COC Signed/Accurate: [✓ Y] __N
Bottles arrive intact: [✓ Y] __N
Correct bottles used: [✓ Y] __N
Sufficient volume sent: [✓ Y] __N
If Applicable
VOA Zero Headspace: __Y __N
Preservation Correct/Checked: __Y __N

Relinquished by : (Signature) Rachel McLaughlin	Date: 3-22-18	Time: 1855	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 15.5 °C Bottles Received: 10	If preservation required by Login: Date/Time
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 3/26/18 Time: 1015	Hold: Condition: [✓ NCF] / OK

PES Environmental, Inc.- WA

1215 Fourth Ave., Suite 1350
Seattle, WA 98161

Billing Information:
Attn: Accounts Payable
1215 Fourth Ave., Ste. 1350
Seattle, WA 98161

Pres Chk

Analysis / Container / Preservative

Chain of Custody Page ___ of ___

ESC
L·A·B S·C·I·E·N·C·E·S
a subsidiary of Pace Analytical

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

Report to: **Bill Haldeman** / Brian ONeal

Email To: bhaldeman@pesenv.com
boneal@pesenv.com

Project Description: **American Linen Supply Project**

City/State Collected: Seattle WA

L# 980722

Table #

Phone: **206-529-3980**
Fax: **206-529-3985**

Client Project # **1413.001.05.304**

Lab Project # **PESENVSWA-ALP**

Acctnum: **PESENVSWA**
Template: **T133574**
Prelogin: **P643475**
TSR: **110 - Brian Ford**
PB: TB 3-7-18
Shipped Via: **FedEX Ground**

Collected by (print): Rachel McLaughlin

Site/Facility ID #

P.O. #

Collected by (signature): R.T. McLaughlin

Immediately Packed on Ice N X ___

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260C VOCs 40ml/NaHS04/Syr/MeOH	dry wt,voc screen 2ozClr-NoPres	Remarks	Sample # (lab only)
IW-46B-55	Grab	SS	55	3-20-18	1505	5	X	X		11
IW-46B-60		SS	60		1516	5	X	X		12
IW-46B-65		SS	65		1527	5	X	X		13
IW-46B-70		SS	70		1535	5	X	X		14
IW-46B-42		SS	42		1441	5	X	X		15
IW-904-35		SS	35	X	1145	5	X	X		16
IW-47B-5		SS	5	3-22-18	1106	5	X	X		17
IW-47B-10		SS	10		1116	5	X	X		18
IW-47B-15		SS	15		1121	5	X	X		19
IW-47B-20	X	SS	20	X	1129	5	X	X		20

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other ________

Remarks:

pH ______ Temp ______
Flow ______ Other ______

Samples returned via:
__ UPS __ FedEx __ Courier __ ______

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: __NP _✓Y_ __N
COC Signed/Accurate: _✓Y_ __N
Bottles arrive intact: _✓Y_ __N
Correct bottles used: _✓Y_ __N
Sufficient volume sent: _✓Y_ __N
If Applicable
VOA Zero Headspace: __Y __N
Preservation Correct/Checked: __Y __N

Relinquished by : (Signature) R.T. McLaughlin
Date: 3-22-18
Time: 1855
Received by: (Signature)

Trip Blank Received: Yes / No
HCL / MeoH
TBR

Relinquished by : (Signature)
Date:
Time:
Received by: (Signature)

Temp: 19.5 °C
Bottles Received: 106

If preservation required by Login: Date/Time

Relinquished by : (Signature)
Date:
Time:
Received for lab by: (Signature)

Date: 3/26/18
Time: 1015

Hold:

Condition: [✓ NCF] / OK

Matt Shacklock

ESC
LAB SCIENCES
YOUR LAB OF CHOICE

Login #: 930722	**Client:** PESENVSWA	**Date:**3/26	**Evaluated by:**Matt S

Non-Conformance (check applicable items)

	Sample Integrity		Chain of Custody Clarification		
	Parameter(s) past holding time		Login Clarification Needed		**If Broken Container:**
x	Improper temperature		Chain of custody is incomplete		Insufficient packing material around container
	Improper container type		Please specify Metals requested.		Insufficient packing material inside cooler
	Improper preservation		Please specify TCLP requested.		Improper handling by carrier (FedEx / UPS / Courie
	Insufficient sample volume.		Received additional samples not listed on coc.		Sample was frozen
	Sample is biphasic.		Sample ids on containers do not match ids on coc		Container lid not intact
	Vials received with headspace.		Trip Blank not received.		**If no Chain of Custody:**
	Broken container		Client did not "X" analysis.		Received by:
	Broken container:		Chain of Custody is missing		Date/Time:
	Sufficient sample remains				Temp./Cont. Rec./pH:
					Carrier:
					Tracking#

Login Comments: 16.5 degrees. All ice melted

Client informed by:		Call		Email	x	Voice Mail		Date: 03/26/18	Time:1800
TSR Initials: bjf	Client Contact: Brian O'Neal								

Login Instructions:

Proceed and qualify as needed. Add comment " Sample received at >6 Deg C."

MEMORANDUM

TO: Project File **DATE:** April 17, 2018

FROM: Jessie Compeau

SUBJECT: Laboratory Data Validation Review

PROJECT: Former American Linen Supply Site, Seattle WA

PROJECT #: 1413.001.05.304

TASK: March 20 and 22, 2018 – Soil Samples

LAB: ESC Lab ID L980722

Twenty (20) soil samples including a field duplicate sample were collected as part of a sampling event at the Former American Linen Supply Site, in Seattle, Washington, on March 20 and 22, 2018. The samples were shipped and delivered to ESC Lab Sciences (ESC) of Mount Juliet, TN for laboratory analysis. Selected samples were analyzed for the following:

- Volatile organic compounds (VOCs) by United States Environmental Protection Agency (USEPA) Method 8260C; and
- Total Solids by Standard Methods 2540 G-2011.

The results are reported in ESC Sample Delivery Group (SDG) L980722. The sampling event occurred between March 2 and March 27 of 2018. Associated sample data are reported in ten ESC SDGs (SDGs L975879, L977245, L977743, L979219, L979234, L980300, L980719, L980722, L980954, and L980958). The quality assurance review of the sample data associated with SDG L980722 is summarized below.

DATA QUALIFICATIONS

Guidelines established by USEPA for a limited data validation review of analytical data along with ESC control limit criteria were used to validate the data. The comments presented in this memorandum refer to the laboratory's performance in meeting the quality control criteria outlined in the USEPA Contract Laboratory Program National Functional Guidelines for Organic Superfund Methods Data Review (USEPA, 2017).

DATA VALIDATION

Completeness

All samples were collected and analyzed as requested.

Sample Collection and Preservation

Samples were collected in laboratory-supplied sample containers preserved as appropriate for the individual analyses conducted. The samples were packed on ice and shipped by courier to ESC.

The laboratory reported that the cooler and samples were received at 19.5 degrees Centigrade (°C) and above the recommended temperature preservation of 6°C. **All VOC results are estimated (UJ/J) due to cooler receipt temperature.**

Holding Times

USEPA Method 8260C:
All samples were analyzed for VOCs within the USEPA recommended holding time of fourteen days for soils from the date of sample collection. All holding time criteria were met.

Total Solids by SM 2540 G 2011:
Samples were analyzed several days past the USEPA recommended holding time of seven days for total solids. No action is taken since % solid results are not expected to be significantly changed thus final reported results are not significantly impacted.

Initial and Continuing Calibration

Calibration data for this project are not required for this deliverable however ESC's notes indicate the following:

- *USEPA Method 8260C:* Continuing calibration verification (CCV) issues were noted by ESC for acetone, bromodichloromethane, chlorodibromomethane, 1,2-dibromo-3-chloropropane, 1,2-dibromoethane, trans-1,4-dichloro-2-butene, 2-hexanone, and 1,1,2-trichloroethane associated with most soils within analytical batch WG1091540 (analyzed on March 30, 2018). These results are qualified by the laboratory "J0" to indicate that percent difference CCVs are outside of laboratory acceptance criteria. **Associated sample with laboratory qualified (J0) results are estimated and qualified (J/UJ).**

Method Blank Results

USEPA Method 8260C:
Laboratory method blanks were included with the analytical batch per method requirement. The target analytes (VOCs) were not detected in the method blanks at or above the reported detection limits (RDLs) with one exception:

- Analytical batch WG1091310 (April 1, 2018): Compound n-hexane was detected at a low level in the method blank. No action was necessary as it was not detected in the associated sample.

Total Solids by SM 2540 G 2011:
Laboratory method blanks were included with the analytical batches per method requirement. The target analytes (% solids) were not detected at a significant level in the method blanks and sample results are not impacted.

Trip Blank Results

USEPA Method 8260C:
A trip blank was not collected.

Field, Rinsate, or Equipment Blank Results

Field, rinsate, or equipment blanks were not collected.

Field Duplicate Analyses

Field duplicate (samples IW-46B-35 and IW-904-35) results are comparable and less than 30% RPD (for results >5X the RDL) with one exception:

- Field duplicate RPD is greater than 30% for tetrachloroethene. **Tetrachloroethene field duplicate results are estimated and qualified (J) due to poor field precision.**

Laboratory Duplicate Analyses

USEPA Method 8260C:
A laboratory duplicate sample was not analyzed. Refer to laboratory control sample/sample duplicate (LCS/LCSD) or field duplicate results for precision data.

Total Solids by SM 2540 G 2011:
Laboratory duplicate sample analyses were performed on client samples IW-46B-30, IW-46B-40, and IW-47B-20. The primary/duplicate RPDs for total solids analyses are within the laboratory control limit of 5%.

Surrogate Recoveries

USEPA Method 8260C:
The surrogate recovery results for the samples, laboratory control samples, and the method blanks are within the laboratory surrogate control limits for all of the analyses with the following exceptions:

- Analytical batch WG1091310: Sample IW-46B-65 surrogate (toluene-d8) recovery was at 78% and slightly below laboratory acceptance criteria (80-120%). Sample IW-46B-65 was diluted 25X and reanalyzed (April 1, 2018) for vinyl chloride. No action is taken on this basis since all VOC results are estimated and qualified (J/UJ) due to holding time exceedance.

- Analytical batch WG1091310: Sample IW-46B-42 surrogate (toluene-d8) recovery was 172% and above laboratory acceptance criteria (80-120%). Sample IW-46B-42 was analyzed without dilution on March 30, 2018. No action is taken on this basis since all VOC results are estimated and qualified (J/UJ) due to holding time exceedance.

Laboratory Control Samples

USEPA Method 8260C:
LCS or LCS/LCSDs were analyzed by USEPA Method 8260C method. The LCS/LCSD %Rs and RPDs for the all target compounds are within the laboratory control criteria for soils with the following exceptions:

- Two sets of LCS/LCSD results are provided by ESC for analytical batch WG1091310. Five samples were reanalyzed at various dilution factors for cis-1,2-dichloroethene. LCS/LCSD %Rs and RPDs for the all target compounds are within the laboratory control criteria for soils for analytical Batch WG1091310 analyzed on March 30, 2018. Analytical Batch WG1091310 analyzed on April 1, 2018 had the following issues:
    - LCSD analytical batch WG1091310: Recoveries for spiking compounds 1,2-dibromoethane, trans-1,4-dichloro-2-butene, and trichloroethene were slightly above laboratory acceptance criteria and qualified by the laboratory (J4). It appears that total xylene LCSD result is also qualified (J4) by the laboratory but recovery is within laboratory criteria. No action was necessary since laboratory acceptance criteria for cis-1,2-dichloroethene are met.
    - LCS/LCSD analytical batch WG1091310: RPDs for spiking compounds 2-hexanone and 4-methyl-2-pentanone are elevated and though recoveries are within criteria they are wide and are laboratory qualified (J3). No action was taken in these cases.

Total Solids by SM 2540 G 2011:
The LCS %Rs for total solids are within the laboratory control criteria for soils.

Matrix Spike/Matrix Spike Duplicates

USEPA Method 8260C:
Matrix spike/matrix spike duplicate (MS/MSD) analyses was not performed with this SDG. Refer to LCS, LCS/LCSD, or field duplicate results for additional quality control information.

Other Quality Control Issues

No laboratory quality control issues were identified in the laboratory report.

Compound Identification and Quantitation Limits

The RDLs used for this sample group are acceptable for the project. Several samples were diluted due to elevated concentrations of various target analytes. ESC sample narrative notes indicate that for soil samples IW-46B-15 and IW-46B-45 the target compounds were too high to run the sample at a lower dilution. No action was taken other than to note this.

Detections between the MDL and RDL are estimated (J) by the laboratory and qualified (J) by the data validator to re-emphasize that the detection is estimated.

Data Assessment

The laboratory data reported for this project were reviewed based on laboratory control limit acceptance criteria and criteria outlined in:

- USEPA Contract Laboratory Program National Functional Guidelines for Organic Superfund Methods Data Review (USEPA, 2017).

Data qualifiers were assigned and laboratory report pages with qualifiers are attached. All data, including qualified data, are judged to be acceptable for their intended use.

IW-46B-5

Collected date/time: 03/20/18 13:15

SAMPLE RESULTS - 01

L980722

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	89.0		1	03/30/2018 17:11	WG1091657

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.0389 J	J	0.0112	0.0562	1	03/30/2018 03:47	WG1091310
Acrylonitrile	U UJ		0.00201	0.0112	1	03/30/2018 03:47	WG1091310
Benzene	U		0.000303	0.00112	1	03/30/2018 03:47	WG1091310
Bromobenzene	U		0.000319	0.00112	1	03/30/2018 03:47	WG1091310
Bromodichloromethane	U		0.000286	0.00112	1	03/30/2018 03:47	WG1091310
Bromochloromethane	U		0.000438	0.00562	1	03/30/2018 03:47	WG1091310
Bromoform	U		0.000477	0.00112	1	03/30/2018 03:47	WG1091310
Bromomethane	U		0.00151	0.00562	1	03/30/2018 03:47	WG1091310
n-Butylbenzene	U		0.000290	0.00112	1	03/30/2018 03:47	WG1091310
sec-Butylbenzene	U		0.000226	0.00112	1	03/30/2018 03:47	WG1091310
tert-Butylbenzene	U		0.000232	0.00112	1	03/30/2018 03:47	WG1091310
Carbon disulfide	0.000328 J	J	0.000248	0.00112	1	03/30/2018 03:47	WG1091310
Carbon tetrachloride	U UJ		0.000369	0.00112	1	03/30/2018 03:47	WG1091310
Chlorobenzene	U		0.000238	0.00112	1	03/30/2018 03:47	WG1091310
Chlorodibromomethane	U		0.000419	0.00112	1	03/30/2018 03:47	WG1091310
Chloroethane	U		0.00106	0.00562	1	03/30/2018 03:47	WG1091310
Chloroform	U		0.000257	0.00562	1	03/30/2018 03:47	WG1091310
Chloromethane	U		0.000422	0.00281	1	03/30/2018 03:47	WG1091310
2-Chlorotoluene	U		0.000338	0.00112	1	03/30/2018 03:47	WG1091310
4-Chlorotoluene	U		0.000270	0.00112	1	03/30/2018 03:47	WG1091310
1,2-Dibromo-3-Chloropropane	U		0.00118	0.00562	1	03/30/2018 03:47	WG1091310
1,2-Dibromoethane	U		0.000386	0.00112	1	03/30/2018 03:47	WG1091310
Dibromomethane	U		0.000429	0.00112	1	03/30/2018 03:47	WG1091310
1,2-Dichlorobenzene	U		0.000343	0.00112	1	03/30/2018 03:47	WG1091310
1,3-Dichlorobenzene	U		0.000269	0.00112	1	03/30/2018 03:47	WG1091310
1,4-Dichlorobenzene	U		0.000254	0.00112	1	03/30/2018 03:47	WG1091310
Dichlorodifluoromethane	U		0.000801	0.00562	1	03/30/2018 03:47	WG1091310
1,1-Dichloroethane	U		0.000224	0.00112	1	03/30/2018 03:47	WG1091310
1,2-Dichloroethane	U		0.000298	0.00112	1	03/30/2018 03:47	WG1091310
1,1-Dichloroethene	U		0.000341	0.00112	1	03/30/2018 03:47	WG1091310
cis-1,2-Dichloroethene	0.000434 J	J	0.000264	0.00112	1	04/01/2018 15:02	WG1091310
trans-1,2-Dichloroethene	U UJ		0.000297	0.00112	1	03/30/2018 03:47	WG1091310
1,2-Dichloropropane	U		0.000402	0.00112	1	03/30/2018 03:47	WG1091310
1,1-Dichloropropene	U		0.000356	0.00112	1	03/30/2018 03:47	WG1091310
1,3-Dichloropropane	U		0.000233	0.00112	1	03/30/2018 03:47	WG1091310
cis-1,3-Dichloropropene	U		0.000295	0.00112	1	03/30/2018 03:47	WG1091310
trans-1,3-Dichloropropene	U		0.000300	0.00112	1	03/30/2018 03:47	WG1091310
trans-1,4-Dichloro-2-butene	U		0.000875	0.00281	1	03/30/2018 03:47	WG1091310
2,2-Dichloropropane	U		0.000314	0.00112	1	03/30/2018 03:47	WG1091310
Di-isopropyl ether	U		0.000279	0.00112	1	03/30/2018 03:47	WG1091310
Ethylbenzene	U		0.000334	0.00112	1	03/30/2018 03:47	WG1091310
Hexachloro-1,3-butadiene	U		0.000384	0.00112	1	03/30/2018 03:47	WG1091310
2-Hexanone	U		0.00154	0.0112	1	03/30/2018 03:47	WG1091310
n-Hexane	U		0.000326	0.0112	1	03/30/2018 03:47	WG1091310
Iodomethane	U		0.00284	0.0112	1	03/30/2018 03:47	WG1091310
Isopropylbenzene	U		0.000273	0.00112	1	03/30/2018 03:47	WG1091310
p-Isopropyltoluene	U		0.000229	0.00112	1	03/30/2018 03:47	WG1091310
2-Butanone (MEK)	U		0.00526	0.0112	1	03/30/2018 03:47	WG1091310
Methylene Chloride	U		0.00112	0.00562	1	03/30/2018 03:47	WG1091310
4-Methyl-2-pentanone (MIBK)	U		0.00211	0.0112	1	03/30/2018 03:47	WG1091310

Je 4/19/18

IW-46B-5

Collected date/time: 03/20/18 13:15

SAMPLE RESULTS - 01

L980722

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U	UJ	0.000238	0.00112	1	03/30/2018 03:47	WG1091310
Naphthalene	U		0.00112	0.00562	1	03/30/2018 03:47	WG1091310
n-Propylbenzene	U		0.000232	0.00112	1	03/30/2018 03:47	WG1091310
Styrene	U		0.000263	0.00112	1	03/30/2018 03:47	WG1091310
1,1,1,2-Tetrachloroethane	U		0.000297	0.00112	1	03/30/2018 03:47	WG1091310
1,1,2,2-Tetrachloroethane	U		0.000410	0.00112	1	03/30/2018 03:47	WG1091310
1,1,2-Trichlorotrifluoroethane	U		0.000410	0.00112	1	03/30/2018 03:47	WG1091310
Tetrachloroethene	0.00450	J	0.000310	0.00112	1	03/30/2018 03:47	WG1091310
Toluene	U	UJ	0.000488	0.00562	1	03/30/2018 03:47	WG1091310
1,2,3-Trichlorobenzene	U		0.000344	0.00112	1	03/30/2018 03:47	WG1091310
1,2,4-Trichlorobenzene	U		0.000436	0.00112	1	03/30/2018 03:47	WG1091310
1,1,1-Trichloroethane	U		0.000321	0.00112	1	03/30/2018 03:47	WG1091310
1,1,2-Trichloroethane	U		0.000311	0.00112	1	03/30/2018 03:47	WG1091310
Trichloroethene	U		0.000314	0.00112	1	03/30/2018 03:47	WG1091310
Trichlorofluoromethane	U		0.000429	0.00562	1	03/30/2018 03:47	WG1091310
1,2,3-Trichloropropane	U		0.000833	0.00281	1	03/30/2018 03:47	WG1091310
1,2,4-Trimethylbenzene	U		0.000237	0.00112	1	03/30/2018 03:47	WG1091310
1,2,3-Trimethylbenzene	U		0.000323	0.00112	1	03/30/2018 03:47	WG1091310
1,3,5-Trimethylbenzene	U		0.000299	0.00112	1	03/30/2018 03:47	WG1091310
Vinyl acetate	U		0.00269	0.0112	1	03/30/2018 03:47	WG1091310
Vinyl chloride	U		0.000327	0.00112	1	03/30/2018 03:47	WG1091310
Xylenes, Total	U		0.000785	0.00337	1	03/30/2018 03:47	WG1091310
(S) Toluene-d8	*104*			*80.0-120*		*04/01/2018 15:02*	WG1091310
(S) Toluene-d8	*101*			*80.0-120*		*03/30/2018 03:47*	WG1091310
(S) Dibromofluoromethane	*106*			*74.0-131*		*03/30/2018 03:47*	WG1091310
(S) Dibromofluoromethane	*101*			*74.0-131*		*04/01/2018 15:02*	WG1091310
(S) 4-Bromofluorobenzene	*106*			*64.0-132*		*03/30/2018 03:47*	WG1091310
(S) 4-Bromofluorobenzene	*100*			*64.0-132*		*04/01/2018 15:02*	WG1091310

JC 4/19/18

IW-46B-10
Collected date/time: 03/20/18 13:27

SAMPLE RESULTS - 02

L980722

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	91.0		1	03/30/2018 17:11	WG1091657

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg		Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.0688	J		0.0110	0.0549	1	03/30/2018 04:08	WG1091310
Acrylonitrile	U	UJ		0.00197	0.0110	1	03/30/2018 04:08	WG1091310
Benzene	0.000327	J	J	0.000297	0.00110	1	03/30/2018 04:08	WG1091310
Bromobenzene	U	UJ		0.000312	0.00110	1	03/30/2018 04:08	WG1091310
Bromodichloromethane	U			0.000279	0.00110	1	03/30/2018 04:08	WG1091310
Bromochloromethane	U			0.000429	0.00549	1	03/30/2018 04:08	WG1091310
Bromoform	U			0.000466	0.00110	1	03/30/2018 04:08	WG1091310
Bromomethane	U			0.00147	0.00549	1	03/30/2018 04:08	WG1091310
n-Butylbenzene	U			0.000284	0.00110	1	03/30/2018 04:08	WG1091310
sec-Butylbenzene	U			0.000221	0.00110	1	03/30/2018 04:08	WG1091310
tert-Butylbenzene	U			0.000226	0.00110	1	03/30/2018 04:08	WG1091310
Carbon disulfide	0.00104	J	J	0.000243	0.00110	1	03/30/2018 04:08	WG1091310
Carbon tetrachloride	U	UJ		0.000360	0.00110	1	03/30/2018 04:08	WG1091310
Chlorobenzene	U			0.000233	0.00110	1	03/30/2018 04:08	WG1091310
Chlorodibromomethane	U			0.000410	0.00110	1	03/30/2018 04:08	WG1091310
Chloroethane	U			0.00104	0.00549	1	03/30/2018 04:08	WG1091310
Chloroform	U			0.000252	0.00549	1	03/30/2018 04:08	WG1091310
Chloromethane	U			0.000412	0.00275	1	03/30/2018 04:08	WG1091310
2-Chlorotoluene	U			0.000331	0.00110	1	03/30/2018 04:08	WG1091310
4-Chlorotoluene	U			0.000264	0.00110	1	03/30/2018 04:08	WG1091310
1,2-Dibromo-3-Chloropropane	U			0.00115	0.00549	1	03/30/2018 04:08	WG1091310
1,2-Dibromoethane	U			0.000377	0.00110	1	03/30/2018 04:08	WG1091310
Dibromomethane	U			0.000420	0.00110	1	03/30/2018 04:08	WG1091310
1,2-Dichlorobenzene	U			0.000335	0.00110	1	03/30/2018 04:08	WG1091310
1,3-Dichlorobenzene	U			0.000263	0.00110	1	03/30/2018 04:08	WG1091310
1,4-Dichlorobenzene	U			0.000248	0.00110	1	03/30/2018 04:08	WG1091310
Dichlorodifluoromethane	U			0.000783	0.00549	1	03/30/2018 04:08	WG1091310
1,1-Dichloroethane	U			0.000219	0.00110	1	03/30/2018 04:08	WG1091310
1,2-Dichloroethane	U			0.000291	0.00110	1	03/30/2018 04:08	WG1091310
1,1-Dichloroethene	U			0.000333	0.00110	1	03/30/2018 04:08	WG1091310
cis-1,2-Dichloroethene	0.000349	J	J	0.000258	0.00110	1	04/01/2018 15:23	WG1091310
trans-1,2-Dichloroethene	U	UJ		0.000290	0.00110	1	03/30/2018 04:08	WG1091310
1,2-Dichloropropane	U			0.000393	0.00110	1	03/30/2018 04:08	WG1091310
1,1-Dichloropropene	U			0.000348	0.00110	1	03/30/2018 04:08	WG1091310
1,3-Dichloropropane	U			0.000227	0.00110	1	03/30/2018 04:08	WG1091310
cis-1,3-Dichloropropene	U			0.000288	0.00110	1	03/30/2018 04:08	WG1091310
trans-1,3-Dichloropropene	U			0.000293	0.00110	1	03/30/2018 04:08	WG1091310
trans-1,4-Dichloro-2-butene	U			0.000855	0.00275	1	03/30/2018 04:08	WG1091310
2,2-Dichloropropane	U			0.000307	0.00110	1	03/30/2018 04:08	WG1091310
Di-isopropyl ether	U			0.000273	0.00110	1	03/30/2018 04:08	WG1091310
Ethylbenzene	U			0.000326	0.00110	1	03/30/2018 04:08	WG1091310
Hexachloro-1,3-butadiene	U			0.000376	0.00110	1	03/30/2018 04:08	WG1091310
2-Hexanone	U			0.00151	0.0110	1	03/30/2018 04:08	WG1091310
n-Hexane	U			0.000319	0.0110	1	03/30/2018 04:08	WG1091310
Iodomethane	U			0.00278	0.0110	1	03/30/2018 04:08	WG1091310
Isopropylbenzene	U			0.000267	0.00110	1	03/30/2018 04:08	WG1091310
p-Isopropyltoluene	U			0.000224	0.00110	1	03/30/2018 04:08	WG1091310
2-Butanone (MEK)	0.00532	J	J	0.00514	0.0110	1	03/30/2018 04:08	WG1091310
Methylene Chloride	U	UJ		0.00110	0.00549	1	03/30/2018 04:08	WG1091310
4-Methyl-2-pentanone (MIBK)	U			0.00207	0.0110	1	03/30/2018 04:08	WG1091310

JC 4/19/18

IW-46B-10

Collected date/time: 03/20/18 13:27

SAMPLE RESULTS - 02

L980722

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U	UJ	0.000233	0.00110	1	03/30/2018 04:08	WG1091310
Naphthalene	U		0.00110	0.00549	1	03/30/2018 04:08	WG1091310
n-Propylbenzene	U		0.000226	0.00110	1	03/30/2018 04:08	WG1091310
Styrene	U		0.000257	0.00110	1	03/30/2018 04:08	WG1091310
1,1,1,2-Tetrachloroethane	U		0.000290	0.00110	1	03/30/2018 04:08	WG1091310
1,1,2,2-Tetrachloroethane	U		0.000401	0.00110	1	03/30/2018 04:08	WG1091310
1,1,2-Trichlorotrifluoroethane	U		0.000401	0.00110	1	03/30/2018 04:08	WG1091310
Tetrachloroethene	0.0223	J	0.000303	0.00110	1	03/30/2018 04:08	WG1091310
Toluene	U	UJ	0.000477	0.00549	1	03/30/2018 04:08	WG1091310
1,2,3-Trichlorobenzene	U		0.000336	0.00110	1	03/30/2018 04:08	WG1091310
1,2,4-Trichlorobenzene	U		0.000426	0.00110	1	03/30/2018 04:08	WG1091310
1,1,1-Trichloroethane	U		0.000314	0.00110	1	03/30/2018 04:08	WG1091310
1,1,2-Trichloroethane	U		0.000304	0.00110	1	03/30/2018 04:08	WG1091310
Trichloroethene	U		0.000307	0.00110	1	03/30/2018 04:08	WG1091310
Trichlorofluoromethane	U		0.000420	0.00549	1	03/30/2018 04:08	WG1091310
1,2,3-Trichloropropane	U		0.000814	0.00275	1	03/30/2018 04:08	WG1091310
1,2,4-Trimethylbenzene	U		0.000232	0.00110	1	03/30/2018 04:08	WG1091310
1,2,3-Trimethylbenzene	U		0.000315	0.00110	1	03/30/2018 04:08	WG1091310
1,3,5-Trimethylbenzene	U		0.000292	0.00110	1	03/30/2018 04:08	WG1091310
Vinyl acetate	U		0.00263	0.0110	1	03/30/2018 04:08	WG1091310
Vinyl chloride	U		0.000320	0.00110	1	03/30/2018 04:08	WG1091310
Xylenes, Total	U		0.000767	0.00330	1	03/30/2018 04:08	WG1091310
(S) Toluene-d8	*101*			*80.0-120*		*04/01/2018 15:23*	WG1091310
(S) Toluene-d8	*98.9*			*80.0-120*		*03/30/2018 04:08*	WG1091310
(S) Dibromofluoromethane	*108*			*74.0-131*		*03/30/2018 04:08*	WG1091310
(S) Dibromofluoromethane	*103*			*74.0-131*		*04/01/2018 15:23*	WG1091310
(S) 4-Bromofluorobenzene	*105*			*64.0-132*		*04/01/2018 15:23*	WG1091310
(S) 4-Bromofluorobenzene	*104*			*64.0-132*		*03/30/2018 04:08*	WG1091310

4/14/18

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	90.4		1	03/30/2018 17:11	WG1091657

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U	UJ	0.277	1.38	25	04/01/2018 17:51	WG1091310
Acrylonitrile	U		0.0496	0.277	25	04/01/2018 17:51	WG1091310
Benzene	U		0.00747	0.0277	25	04/01/2018 17:51	WG1091310
Bromobenzene	U		0.00785	0.0277	25	04/01/2018 17:51	WG1091310
Bromodichloromethane	U		0.00702	0.0277	25	04/01/2018 17:51	WG1091310
Bromochloromethane	U		0.0108	0.138	25	04/01/2018 17:51	WG1091310
Bromoform	U		0.0117	0.0277	25	04/01/2018 17:51	WG1091310
Bromomethane	U		0.0371	0.138	25	04/01/2018 17:51	WG1091310
n-Butylbenzene	U		0.00713	0.0277	25	04/01/2018 17:51	WG1091310
sec-Butylbenzene	U		0.00555	0.0277	25	04/01/2018 17:51	WG1091310
tert-Butylbenzene	U		0.00570	0.0277	25	04/01/2018 17:51	WG1091310
Carbon disulfide	U		0.00611	0.0277	25	04/01/2018 17:51	WG1091310
Carbon tetrachloride	U		0.00907	0.0277	25	04/01/2018 17:51	WG1091310
Chlorobenzene	U		0.00586	0.0277	25	04/01/2018 17:51	WG1091310
Chlorodibromomethane	U		0.0103	0.0277	25	04/01/2018 17:51	WG1091310
Chloroethane	U		0.0261	0.138	25	04/01/2018 17:51	WG1091310
Chloroform	U		0.00633	0.138	25	04/01/2018 17:51	WG1091310
Chloromethane	U		0.0104	0.0691	25	04/01/2018 17:51	WG1091310
2-Chlorotoluene	U		0.00832	0.0277	25	04/01/2018 17:51	WG1091310
4-Chlorotoluene	U		0.00664	0.0277	25	04/01/2018 17:51	WG1091310
1,2-Dibromo-3-Chloropropane	U		0.0290	0.138	25	04/01/2018 17:51	WG1091310
1,2-Dibromoethane	U	J4	0.00949	0.0277	25	04/01/2018 17:51	WG1091310
Dibromomethane	U		0.0106	0.0277	25	04/01/2018 17:51	WG1091310
1,2-Dichlorobenzene	U		0.00843	0.0277	25	04/01/2018 17:51	WG1091310
1,3-Dichlorobenzene	U		0.00661	0.0277	25	04/01/2018 17:51	WG1091310
1,4-Dichlorobenzene	U		0.00625	0.0277	25	04/01/2018 17:51	WG1091310
Dichlorodifluoromethane	U		0.0197	0.138	25	04/01/2018 17:51	WG1091310
1,1-Dichloroethane	U		0.00551	0.0277	25	04/01/2018 17:51	WG1091310
1,2-Dichloroethane	U		0.00732	0.0277	25	04/01/2018 17:51	WG1091310
1,1-Dichloroethene	U		0.00838	0.0277	25	04/01/2018 17:51	WG1091310
cis-1,2-Dichloroethene	U		0.00650	0.0277	25	04/01/2018 17:51	WG1091310
trans-1,2-Dichloroethene	U		0.00730	0.0277	25	04/01/2018 17:51	WG1091310
1,2-Dichloropropane	U		0.00990	0.0277	25	04/01/2018 17:51	WG1091310
1,1-Dichloropropene	U		0.00876	0.0277	25	04/01/2018 17:51	WG1091310
1,3-Dichloropropane	U		0.00573	0.0277	25	04/01/2018 17:51	WG1091310
cis-1,3-Dichloropropene	U		0.00725	0.0277	25	04/01/2018 17:51	WG1091310
trans-1,3-Dichloropropene	U		0.00739	0.0277	25	04/01/2018 17:51	WG1091310
trans-1,4-Dichloro-2-butene	U	J4	0.0215	0.0691	25	04/01/2018 17:51	WG1091310
2,2-Dichloropropane	U		0.00772	0.0277	25	04/01/2018 17:51	WG1091310
Di-isopropyl ether	U		0.00686	0.0277	25	04/01/2018 17:51	WG1091310
Ethylbenzene	U		0.00821	0.0277	25	04/01/2018 17:51	WG1091310
Hexachloro-1,3-butadiene	U		0.00946	0.0277	25	04/01/2018 17:51	WG1091310
2-Hexanone	U	J3	0.0378	0.277	25	04/01/2018 17:51	WG1091310
n-Hexane	U		0.00802	0.277	25	04/01/2018 17:51	WG1091310
Iodomethane	U		0.0699	0.277	25	04/01/2018 17:51	WG1091310
Isopropylbenzene	U		0.00673	0.0277	25	04/01/2018 17:51	WG1091310
p-Isopropyltoluene	U		0.00564	0.0277	25	04/01/2018 17:51	WG1091310
2-Butanone (MEK)	U		0.129	0.277	25	04/01/2018 17:51	WG1091310
Methylene Chloride	U		0.0277	0.138	25	04/01/2018 17:51	WG1091310
4-Methyl-2-pentanone (MIBK)	U	J3	0.0520	0.277	25	04/01/2018 17:51	WG1091310

Jc 4/19/18

IW-46B-15
Collected date/time: 03/20/18 13:42

SAMPLE RESULTS - 03

L980722

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U	UJ	0.00586	0.0277	25	04/01/2018 17:51	WG1091310
Naphthalene	U		0.0277	0.138	25	04/01/2018 17:51	WG1091310
n-Propylbenzene	U		0.00570	0.0277	25	04/01/2018 17:51	WG1091310
Styrene	U		0.00647	0.0277	25	04/01/2018 17:51	WG1091310
1,1,1,2-Tetrachloroethane	U		0.00730	0.0277	25	04/01/2018 17:51	WG1091310
1,1,2,2-Tetrachloroethane	U		0.0101	0.0277	25	04/01/2018 17:51	WG1091310
1,1,2-Trichlorotrifluoroethane	U		0.0101	0.0277	25	04/01/2018 17:51	WG1091310
Tetrachloroethene	0.386	J	0.00763	0.0277	25	04/01/2018 17:51	WG1091310
Toluene	U	UJ	0.0119	0.138	25	04/01/2018 17:51	WG1091310
1,2,3-Trichlorobenzene	U		0.00846	0.0277	25	04/01/2018 17:51	WG1091310
1,2,4-Trichlorobenzene	U		0.0107	0.0277	25	04/01/2018 17:51	WG1091310
1,1,1-Trichloroethane	U		0.00791	0.0277	25	04/01/2018 17:51	WG1091310
1,1,2-Trichloroethane	U		0.00765	0.0277	25	04/01/2018 17:51	WG1091310
Trichloroethene	0.0108 J	J J4	0.00772	0.0277	25	04/01/2018 17:51	WG1091310
Trichlorofluoromethane	U	UJ	0.0106	0.138	25	04/01/2018 17:51	WG1091310
1,2,3-Trichloropropane	U		0.0205	0.0691	25	04/01/2018 17:51	WG1091310
1,2,4-Trimethylbenzene	U		0.00584	0.0277	25	04/01/2018 17:51	WG1091310
1,2,3-Trimethylbenzene	U		0.00794	0.0277	25	04/01/2018 17:51	WG1091310
1,3,5-Trimethylbenzene	U		0.00736	0.0277	25	04/01/2018 17:51	WG1091310
Vinyl acetate	U		0.0661	0.277	25	04/01/2018 17:51	WG1091310
Vinyl chloride	U		0.00805	0.0277	25	04/01/2018 17:51	WG1091310
Xylenes, Total	U	J4	0.0192	0.0830	25	04/01/2018 17:51	WG1091310
(S) Toluene-d8	*104*			*80.0-120*		*04/01/2018 17:51*	WG1091310
(S) Dibromofluoromethane	*95.0*			*74.0-131*		*04/01/2018 17:51*	WG1091310
(S) 4-Bromofluorobenzene	*101*			*64.0-132*		*04/01/2018 17:51*	WG1091310

Sample Narrative:

L980722-03 WG1091310: Cannot be analyzed at a lower dilution due to high levels of target analytes.

4/19/18

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	89.4		1	03/30/2018 17:11	WG1091657

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U	UJ	0.0112	0.0559	1	03/30/2018 04:51	WG1091310
Acrylonitrile	U		0.00200	0.0112	1	03/30/2018 04:51	WG1091310
Benzene	U		0.000302	0.00112	1	03/30/2018 04:51	WG1091310
Bromobenzene	U		0.000318	0.00112	1	03/30/2018 04:51	WG1091310
Bromodichloromethane	U		0.000284	0.00112	1	03/30/2018 04:51	WG1091310
Bromochloromethane	U		0.000436	0.00559	1	03/30/2018 04:51	WG1091310
Bromoform	U		0.000474	0.00112	1	03/30/2018 04:51	WG1091310
Bromomethane	U		0.00150	0.00559	1	03/30/2018 04:51	WG1091310
n-Butylbenzene	U		0.000288	0.00112	1	03/30/2018 04:51	WG1091310
sec-Butylbenzene	U		0.000225	0.00112	1	03/30/2018 04:51	WG1091310
tert-Butylbenzene	U		0.000230	0.00112	1	03/30/2018 04:51	WG1091310
Carbon disulfide	U		0.000247	0.00112	1	03/30/2018 04:51	WG1091310
Carbon tetrachloride	U		0.000367	0.00112	1	03/30/2018 04:51	WG1091310
Chlorobenzene	U		0.000237	0.00112	1	03/30/2018 04:51	WG1091310
Chlorodibromomethane	U		0.000417	0.00112	1	03/30/2018 04:51	WG1091310
Chloroethane	U		0.00106	0.00559	1	03/30/2018 04:51	WG1091310
Chloroform	U		0.000256	0.00559	1	03/30/2018 04:51	WG1091310
Chloromethane	U		0.000419	0.00280	1	03/30/2018 04:51	WG1091310
2-Chlorotoluene	U		0.000337	0.00112	1	03/30/2018 04:51	WG1091310
4-Chlorotoluene	U		0.000268	0.00112	1	03/30/2018 04:51	WG1091310
1,2-Dibromo-3-Chloropropane	U		0.00117	0.00559	1	03/30/2018 04:51	WG1091310
1,2-Dibromoethane	U		0.000383	0.00112	1	03/30/2018 04:51	WG1091310
Dibromomethane	U		0.000427	0.00112	1	03/30/2018 04:51	WG1091310
1,2-Dichlorobenzene	U		0.000341	0.00112	1	03/30/2018 04:51	WG1091310
1,3-Dichlorobenzene	U		0.000267	0.00112	1	03/30/2018 04:51	WG1091310
1,4-Dichlorobenzene	U		0.000253	0.00112	1	03/30/2018 04:51	WG1091310
Dichlorodifluoromethane	U		0.000797	0.00559	1	03/30/2018 04:51	WG1091310
1,1-Dichloroethane	U		0.000222	0.00112	1	03/30/2018 04:51	WG1091310
1,2-Dichloroethane	U		0.000296	0.00112	1	03/30/2018 04:51	WG1091310
1,1-Dichloroethene	U		0.000339	0.00112	1	03/30/2018 04:51	WG1091310
cis-1,2-Dichloroethene	0.000960	J J	0.000263	0.00112	1	03/30/2018 04:51	WG1091310
trans-1,2-Dichloroethene	U	UJ	0.000295	0.00112	1	03/30/2018 04:51	WG1091310
1,2-Dichloropropane	U		0.000400	0.00112	1	03/30/2018 04:51	WG1091310
1,1-Dichloropropene	U		0.000354	0.00112	1	03/30/2018 04:51	WG1091310
1,3-Dichloropropane	U		0.000231	0.00112	1	03/30/2018 04:51	WG1091310
cis-1,3-Dichloropropene	U		0.000293	0.00112	1	03/30/2018 04:51	WG1091310
trans-1,3-Dichloropropene	U		0.000299	0.00112	1	03/30/2018 04:51	WG1091310
trans-1,4-Dichloro-2-butene	U		0.000870	0.00280	1	03/30/2018 04:51	WG1091310
2,2-Dichloropropane	U		0.000312	0.00112	1	03/30/2018 04:51	WG1091310
Di-isopropyl ether	U		0.000277	0.00112	1	03/30/2018 04:51	WG1091310
Ethylbenzene	U		0.000332	0.00112	1	03/30/2018 04:51	WG1091310
Hexachloro-1,3-butadiene	U		0.000382	0.00112	1	03/30/2018 04:51	WG1091310
2-Hexanone	U		0.00153	0.0112	1	03/30/2018 04:51	WG1091310
n-Hexane	U		0.000324	0.0112	1	03/30/2018 04:51	WG1091310
Iodomethane	U		0.00283	0.0112	1	03/30/2018 04:51	WG1091310
Isopropylbenzene	U		0.000272	0.00112	1	03/30/2018 04:51	WG1091310
p-Isopropyltoluene	U		0.000228	0.00112	1	03/30/2018 04:51	WG1091310
2-Butanone (MEK)	U		0.00523	0.0112	1	03/30/2018 04:51	WG1091310
Methylene Chloride	U		0.00112	0.00559	1	03/30/2018 04:51	WG1091310
4-Methyl-2-pentanone (MIBK)	U		0.00210	0.0112	1	03/30/2018 04:51	WG1091310

JC 4/19/18

IW-46B-20

Collected date/time: 03/20/18 13:55

SAMPLE RESULTS - 04

L980722

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U	UJ	0.000237	0.00112	1	03/30/2018 04:51	WG1091310
Naphthalene	U	↓	0.00112	0.00559	1	03/30/2018 04:51	WG1091310
n-Propylbenzene	U		0.000230	0.00112	1	03/30/2018 04:51	WG1091310
Styrene	U		0.000262	0.00112	1	03/30/2018 04:51	WG1091310
1,1,1,2-Tetrachloroethane	U		0.000295	0.00112	1	03/30/2018 04:51	WG1091310
1,1,2,2-Tetrachloroethane	U		0.000408	0.00112	1	03/30/2018 04:51	WG1091310
1,1,2-Trichlorotrifluoroethane	U		0.000408	0.00112	1	03/30/2018 04:51	WG1091310
Tetrachloroethene	0.0626	J	0.000309	0.00112	1	03/30/2018 04:51	WG1091310
Toluene	U	UJ	0.000485	0.00559	1	03/30/2018 04:51	WG1091310
1,2,3-Trichlorobenzene	U	↓	0.000342	0.00112	1	03/30/2018 04:51	WG1091310
1,2,4-Trichlorobenzene	U		0.000434	0.00112	1	03/30/2018 04:51	WG1091310
1,1,1-Trichloroethane	U		0.000320	0.00112	1	03/30/2018 04:51	WG1091310
1,1,2-Trichloroethane	U		0.000310	0.00112	1	03/30/2018 04:51	WG1091310
Trichloroethene	0.00127	J	0.000312	0.00112	1	03/30/2018 04:51	WG1091310
Trichlorofluoromethane	U	UJ	0.000427	0.00559	1	03/30/2018 04:51	WG1091310
1,2,3-Trichloropropane	U	↓	0.000828	0.00280	1	03/30/2018 04:51	WG1091310
1,2,4-Trimethylbenzene	U		0.000236	0.00112	1	03/30/2018 04:51	WG1091310
1,2,3-Trimethylbenzene	U		0.000321	0.00112	1	03/30/2018 04:51	WG1091310
1,3,5-Trimethylbenzene	U		0.000297	0.00112	1	03/30/2018 04:51	WG1091310
Vinyl acetate	U		0.00267	0.0112	1	03/30/2018 04:51	WG1091310
Vinyl chloride	U		0.000325	0.00112	1	03/30/2018 04:51	WG1091310
Xylenes, Total	U		0.000780	0.00335	1	03/30/2018 04:51	WG1091310
(S) Toluene-d8	*99.6*			*80.0-120*		*03/30/2018 04:51*	WG1091310
(S) Dibromofluoromethane	*107*			*74.0-131*		*03/30/2018 04:51*	WG1091310
(S) 4-Bromofluorobenzene	*104*			*64.0-132*		*03/30/2018 04:51*	WG1091310

4/19/18

IW-46B-25
Collected date/time: 03/20/18 14:05

SAMPLE RESULTS - 05

L980722

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	90.5		1	03/30/2018 17:11	WG1091657

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg		Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.0116	J	J	0.0111	0.0553	1	03/30/2018 05:12	WG1091310
Acrylonitrile	U	UJ		0.00198	0.0111	1	03/30/2018 05:12	WG1091310
Benzene	U			0.000298	0.00111	1	03/30/2018 05:12	WG1091310
Bromobenzene	U			0.000314	0.00111	1	03/30/2018 05:12	WG1091310
Bromodichloromethane	U			0.000281	0.00111	1	03/30/2018 05:12	WG1091310
Bromochloromethane	U			0.000431	0.00553	1	03/30/2018 05:12	WG1091310
Bromoform	U			0.000469	0.00111	1	03/30/2018 05:12	WG1091310
Bromomethane	U			0.00148	0.00553	1	03/30/2018 05:12	WG1091310
n-Butylbenzene	U			0.000285	0.00111	1	03/30/2018 05:12	WG1091310
sec-Butylbenzene	U			0.000222	0.00111	1	03/30/2018 05:12	WG1091310
tert-Butylbenzene	U			0.000228	0.00111	1	03/30/2018 05:12	WG1091310
Carbon disulfide	0.00128	J		0.000244	0.00111	1	03/30/2018 05:12	WG1091310
Carbon tetrachloride	U	UJ		0.000363	0.00111	1	03/30/2018 05:12	WG1091310
Chlorobenzene	U			0.000234	0.00111	1	03/30/2018 05:12	WG1091310
Chlorodibromomethane	U			0.000412	0.00111	1	03/30/2018 05:12	WG1091310
Chloroethane	U			0.00105	0.00553	1	03/30/2018 05:12	WG1091310
Chloroform	U			0.000253	0.00553	1	03/30/2018 05:12	WG1091310
Chloromethane	U			0.000414	0.00276	1	03/30/2018 05:12	WG1091310
2-Chlorotoluene	U			0.000333	0.00111	1	03/30/2018 05:12	WG1091310
4-Chlorotoluene	U			0.000265	0.00111	1	03/30/2018 05:12	WG1091310
1,2-Dibromo-3-Chloropropane	U			0.00116	0.00553	1	03/30/2018 05:12	WG1091310
1,2-Dibromoethane	U			0.000379	0.00111	1	03/30/2018 05:12	WG1091310
Dibromomethane	U			0.000422	0.00111	1	03/30/2018 05:12	WG1091310
1,2-Dichlorobenzene	U			0.000337	0.00111	1	03/30/2018 05:12	WG1091310
1,3-Dichlorobenzene	U			0.000264	0.00111	1	03/30/2018 05:12	WG1091310
1,4-Dichlorobenzene	U			0.000250	0.00111	1	03/30/2018 05:12	WG1091310
Dichlorodifluoromethane	U			0.000788	0.00553	1	03/30/2018 05:12	WG1091310
1,1-Dichloroethane	U			0.000220	0.00111	1	03/30/2018 05:12	WG1091310
1,2-Dichloroethane	U			0.000293	0.00111	1	03/30/2018 05:12	WG1091310
1,1-Dichloroethene	U			0.000335	0.00111	1	03/30/2018 05:12	WG1091310
cis-1,2-Dichloroethene	0.00239	J		0.000260	0.00111	1	03/30/2018 05:12	WG1091310
trans-1,2-Dichloroethene	U	UJ		0.000292	0.00111	1	03/30/2018 05:12	WG1091310
1,2-Dichloropropane	U			0.000396	0.00111	1	03/30/2018 05:12	WG1091310
1,1-Dichloropropene	U			0.000350	0.00111	1	03/30/2018 05:12	WG1091310
1,3-Dichloropropane	U			0.000229	0.00111	1	03/30/2018 05:12	WG1091310
cis-1,3-Dichloropropene	U			0.000290	0.00111	1	03/30/2018 05:12	WG1091310
trans-1,3-Dichloropropene	U			0.000295	0.00111	1	03/30/2018 05:12	WG1091310
trans-1,4-Dichloro-2-butene	U			0.000860	0.00276	1	03/30/2018 05:12	WG1091310
2,2-Dichloropropane	U			0.000308	0.00111	1	03/30/2018 05:12	WG1091310
Di-isopropyl ether	U			0.000274	0.00111	1	03/30/2018 05:12	WG1091310
Ethylbenzene	U			0.000328	0.00111	1	03/30/2018 05:12	WG1091310
Hexachloro-1,3-butadiene	U			0.000378	0.00111	1	03/30/2018 05:12	WG1091310
2-Hexanone	U			0.00151	0.0111	1	03/30/2018 05:12	WG1091310
n-Hexane	U			0.000321	0.0111	1	03/30/2018 05:12	WG1091310
Iodomethane	U			0.00280	0.0111	1	03/30/2018 05:12	WG1091310
Isopropylbenzene	U			0.000269	0.00111	1	03/30/2018 05:12	WG1091310
p-Isopropyltoluene	U			0.000225	0.00111	1	03/30/2018 05:12	WG1091310
2-Butanone (MEK)	U			0.00517	0.0111	1	03/30/2018 05:12	WG1091310
Methylene Chloride	U			0.00111	0.00553	1	03/30/2018 05:12	WG1091310
4-Methyl-2-pentanone (MIBK)	U			0.00208	0.0111	1	03/30/2018 05:12	WG1091310

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U	UJ	0.000234	0.00111	1	03/30/2018 05:12	WG1091310
Naphthalene	U		0.00111	0.00553	1	03/30/2018 05:12	WG1091310
n-Propylbenzene	U		0.000228	0.00111	1	03/30/2018 05:12	WG1091310
Styrene	U		0.000259	0.00111	1	03/30/2018 05:12	WG1091310
1,1,1,2-Tetrachloroethane	U		0.000292	0.00111	1	03/30/2018 05:12	WG1091310
1,1,2,2-Tetrachloroethane	U		0.000403	0.00111	1	03/30/2018 05:12	WG1091310
1,1,2-Trichlorotrifluoroethane	U		0.000403	0.00111	1	03/30/2018 05:12	WG1091310
Tetrachloroethene	20.1	J	0.0610	0.221	200	04/01/2018 18:12	WG1091310
Toluene	U	UJ	0.000480	0.00553	1	03/30/2018 05:12	WG1091310
1,2,3-Trichlorobenzene	U		0.000338	0.00111	1	03/30/2018 05:12	WG1091310
1,2,4-Trichlorobenzene	U		0.000429	0.00111	1	03/30/2018 05:12	WG1091310
1,1,1-Trichloroethane	U		0.000316	0.00111	1	03/30/2018 05:12	WG1091310
1,1,2-Trichloroethane	U		0.000306	0.00111	1	03/30/2018 05:12	WG1091310
Trichloroethene	0.0476	J	0.000308	0.00111	1	03/30/2018 05:12	WG1091310
Trichlorofluoromethane	U		0.000422	0.00553	1	03/30/2018 05:12	WG1091310
1,2,3-Trichloropropane	U		0.000819	0.00276	1	03/30/2018 05:12	WG1091310
1,2,4-Trimethylbenzene	U		0.000233	0.00111	1	03/30/2018 05:12	WG1091310
1,2,3-Trimethylbenzene	U		0.000317	0.00111	1	03/30/2018 05:12	WG1091310
1,3,5-Trimethylbenzene	U		0.000294	0.00111	1	03/30/2018 05:12	WG1091310
Vinyl acetate	U		0.00264	0.0111	1	03/30/2018 05:12	WG1091310
Vinyl chloride	0.000784	J J	0.000322	0.00111	1	03/30/2018 05:12	WG1091310
Xylenes, Total	U	U	0.000772	0.00332	1	03/30/2018 05:12	WG1091310
(S) Toluene-d8	*99.4*			*80.0-120*		*03/30/2018 05:12*	WG1091310
(S) Toluene-d8	*105*			*80.0-120*		*04/01/2018 18:12*	WG1091310
(S) Dibromofluoromethane	*97.2*			*74.0-131*		*04/01/2018 18:12*	WG1091310
(S) Dibromofluoromethane	*106*			*74.0-131*		*03/30/2018 05:12*	WG1091310
(S) 4-Bromofluorobenzene	*106*			*64.0-132*		*03/30/2018 05:12*	WG1091310
(S) 4-Bromofluorobenzene	*98.7*			*64.0-132*		*04/01/2018 18:12*	WG1091310

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Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	89.4		1	03/30/2018 17:11	WG1091657

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg		Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.0144	J	J	0.0112	0.0559	1	03/30/2018 05:33	WG1091310
Acrylonitrile	U	UJ		0.00200	0.0112	1	03/30/2018 05:33	WG1091310
Benzene	U			0.000302	0.00112	1	03/30/2018 05:33	WG1091310
Bromobenzene	U			0.000318	0.00112	1	03/30/2018 05:33	WG1091310
Bromodichloromethane	U			0.000284	0.00112	1	03/30/2018 05:33	WG1091310
Bromochloromethane	U			0.000436	0.00559	1	03/30/2018 05:33	WG1091310
Bromoform	U			0.000474	0.00112	1	03/30/2018 05:33	WG1091310
Bromomethane	U			0.00150	0.00559	1	03/30/2018 05:33	WG1091310
n-Butylbenzene	U			0.000289	0.00112	1	03/30/2018 05:33	WG1091310
sec-Butylbenzene	U			0.000225	0.00112	1	03/30/2018 05:33	WG1091310
tert-Butylbenzene	U			0.000230	0.00112	1	03/30/2018 05:33	WG1091310
Carbon disulfide	0.000553	J	J	0.000247	0.00112	1	03/30/2018 05:33	WG1091310
Carbon tetrachloride	U	UJ		0.000367	0.00112	1	03/30/2018 05:33	WG1091310
Chlorobenzene	U			0.000237	0.00112	1	03/30/2018 05:33	WG1091310
Chlorodibromomethane	U			0.000417	0.00112	1	03/30/2018 05:33	WG1091310
Chloroethane	U			0.00106	0.00559	1	03/30/2018 05:33	WG1091310
Chloroform	U			0.000256	0.00559	1	03/30/2018 05:33	WG1091310
Chloromethane	U			0.000419	0.00280	1	03/30/2018 05:33	WG1091310
2-Chlorotoluene	U			0.000337	0.00112	1	03/30/2018 05:33	WG1091310
4-Chlorotoluene	U			0.000268	0.00112	1	03/30/2018 05:33	WG1091310
1,2-Dibromo-3-Chloropropane	U			0.00117	0.00559	1	03/30/2018 05:33	WG1091310
1,2-Dibromoethane	U			0.000384	0.00112	1	03/30/2018 05:33	WG1091310
Dibromomethane	U			0.000427	0.00112	1	03/30/2018 05:33	WG1091310
1,2-Dichlorobenzene	U			0.000341	0.00112	1	03/30/2018 05:33	WG1091310
1,3-Dichlorobenzene	U			0.000267	0.00112	1	03/30/2018 05:33	WG1091310
1,4-Dichlorobenzene	U			0.000253	0.00112	1	03/30/2018 05:33	WG1091310
Dichlorodifluoromethane	U			0.000797	0.00559	1	03/30/2018 05:33	WG1091310
1,1-Dichloroethane	U			0.000223	0.00112	1	03/30/2018 05:33	WG1091310
1,2-Dichloroethane	U			0.000296	0.00112	1	03/30/2018 05:33	WG1091310
1,1-Dichloroethene	U			0.000339	0.00112	1	03/30/2018 05:33	WG1091310
cis-1,2-Dichloroethene	0.00153	J		0.000263	0.00112	1	03/30/2018 05:33	WG1091310
trans-1,2-Dichloroethene	U	UJ		0.000295	0.00112	1	03/30/2018 05:33	WG1091310
1,2-Dichloropropane	U			0.000400	0.00112	1	03/30/2018 05:33	WG1091310
1,1-Dichloropropene	U			0.000354	0.00112	1	03/30/2018 05:33	WG1091310
1,3-Dichloropropane	U			0.000231	0.00112	1	03/30/2018 05:33	WG1091310
cis-1,3-Dichloropropene	U			0.000293	0.00112	1	03/30/2018 05:33	WG1091310
trans-1,3-Dichloropropene	U			0.000299	0.00112	1	03/30/2018 05:33	WG1091310
trans-1,4-Dichloro-2-butene	U			0.000870	0.00280	1	03/30/2018 05:33	WG1091310
2,2-Dichloropropane	U			0.000312	0.00112	1	03/30/2018 05:33	WG1091310
Di-isopropyl ether	U			0.000277	0.00112	1	03/30/2018 05:33	WG1091310
Ethylbenzene	U			0.000332	0.00112	1	03/30/2018 05:33	WG1091310
Hexachloro-1,3-butadiene	U			0.000382	0.00112	1	03/30/2018 05:33	WG1091310
2-Hexanone	U			0.00153	0.0112	1	03/30/2018 05:33	WG1091310
n-Hexane	U			0.000324	0.0112	1	03/30/2018 05:33	WG1091310
Iodomethane	U			0.00283	0.0112	1	03/30/2018 05:33	WG1091310
Isopropylbenzene	U			0.000272	0.00112	1	03/30/2018 05:33	WG1091310
p-Isopropyltoluene	U			0.000228	0.00112	1	03/30/2018 05:33	WG1091310
2-Butanone (MEK)	U			0.00523	0.0112	1	03/30/2018 05:33	WG1091310
Methylene Chloride	U			0.00112	0.00559	1	03/30/2018 05:33	WG1091310
4-Methyl-2-pentanone (MIBK)	U			0.00210	0.0112	1	03/30/2018 05:33	WG1091310

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IW-46B-30

Collected date/time: 03/20/18 14:15

SAMPLE RESULTS - 06

L980722

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U	UJ	0.000237	0.00112	1	03/30/2018 05:33	WG1091310
Naphthalene	U	↓	0.00112	0.00559	1	03/30/2018 05:33	WG1091310
n-Propylbenzene	U	↓	0.000230	0.00112	1	03/30/2018 05:33	WG1091310
Styrene	U	↓	0.000262	0.00112	1	03/30/2018 05:33	WG1091310
1,1,1,2-Tetrachloroethane	U	↓	0.000295	0.00112	1	03/30/2018 05:33	WG1091310
1,1,2,2-Tetrachloroethane	U	↓	0.000408	0.00112	1	03/30/2018 05:33	WG1091310
1,1,2-Trichlorotrifluoroethane	U	↓	0.000408	0.00112	1	03/30/2018 05:33	WG1091310
Tetrachloroethene	5.63	J	0.0154	0.0559	50	04/01/2018 18:33	WG1091310
Toluene	U	UJ	0.000485	0.00559	1	03/30/2018 05:33	WG1091310
1,2,3-Trichlorobenzene	U	↓	0.000342	0.00112	1	03/30/2018 05:33	WG1091310
1,2,4-Trichlorobenzene	U	↓	0.000434	0.00112	1	03/30/2018 05:33	WG1091310
1,1,1-Trichloroethane	U	↓	0.000320	0.00112	1	03/30/2018 05:33	WG1091310
1,1,2-Trichloroethane	U	↓	0.000310	0.00112	1	03/30/2018 05:33	WG1091310
Trichloroethene	0.0134	J	0.000312	0.00112	1	03/30/2018 05:33	WG1091310
Trichlorofluoromethane	U	UJ	0.000427	0.00559	1	03/30/2018 05:33	WG1091310
1,2,3-Trichloropropane	U	↓	0.000829	0.00280	1	03/30/2018 05:33	WG1091310
1,2,4-Trimethylbenzene	U	↓	0.000236	0.00112	1	03/30/2018 05:33	WG1091310
1,2,3-Trimethylbenzene	U	↓	0.000321	0.00112	1	03/30/2018 05:33	WG1091310
1,3,5-Trimethylbenzene	U	↓	0.000297	0.00112	1	03/30/2018 05:33	WG1091310
Vinyl acetate	U	↓	0.00267	0.0112	1	03/30/2018 05:33	WG1091310
Vinyl chloride	U	↓	0.000325	0.00112	1	03/30/2018 05:33	WG1091310
Xylenes, Total	U	↓	0.000781	0.00335	1	03/30/2018 05:33	WG1091310
(S) Toluene-d8	*100*			*80.0-120*		*04/01/2018 18:33*	WG1091310
(S) Toluene-d8	*98.7*			*80.0-120*		*03/30/2018 05:33*	WG1091310
(S) Dibromofluoromethane	*108*			*74.0-131*		*03/30/2018 05:33*	WG1091310
(S) Dibromofluoromethane	*97.8*			*74.0-131*		*04/01/2018 18:33*	WG1091310
(S) 4-Bromofluorobenzene	*98.8*			*64.0-132*		*04/01/2018 18:33*	WG1091310
(S) 4-Bromofluorobenzene	*106*			*64.0-132*		*03/30/2018 05:33*	WG1091310

4/19/18

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	82.7		1	03/30/2018 16:43	WG1091660

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg		Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.0147	J	J	0.0121	0.0605	1	03/30/2018 05:54	WG1091310
Acrylonitrile	U	UJ		0.00217	0.0121	1	03/30/2018 05:54	WG1091310
Benzene	U			0.000327	0.00121	1	03/30/2018 05:54	WG1091310
Bromobenzene	U			0.000344	0.00121	1	03/30/2018 05:54	WG1091310
Bromodichloromethane	U			0.000307	0.00121	1	03/30/2018 05:54	WG1091310
Bromochloromethane	U			0.000472	0.00605	1	03/30/2018 05:54	WG1091310
Bromoform	U			0.000513	0.00121	1	03/30/2018 05:54	WG1091310
Bromomethane	U			0.00162	0.00605	1	03/30/2018 05:54	WG1091310
n-Butylbenzene	U			0.000312	0.00121	1	03/30/2018 05:54	WG1091310
sec-Butylbenzene	U			0.000243	0.00121	1	03/30/2018 05:54	WG1091310
tert-Butylbenzene	U			0.000249	0.00121	1	03/30/2018 05:54	WG1091310
Carbon disulfide	0.000363	J	J	0.000267	0.00121	1	03/30/2018 05:54	WG1091310
Carbon tetrachloride	U	UJ		0.000397	0.00121	1	03/30/2018 05:54	WG1091310
Chlorobenzene	U			0.000256	0.00121	1	03/30/2018 05:54	WG1091310
Chlorodibromomethane	U			0.000451	0.00121	1	03/30/2018 05:54	WG1091310
Chloroethane	U			0.00114	0.00605	1	03/30/2018 05:54	WG1091310
Chloroform	U			0.000277	0.00605	1	03/30/2018 05:54	WG1091310
Chloromethane	U			0.000454	0.00302	1	03/30/2018 05:54	WG1091310
2-Chlorotoluene	U			0.000364	0.00121	1	03/30/2018 05:54	WG1091310
4-Chlorotoluene	U			0.000290	0.00121	1	03/30/2018 05:54	WG1091310
1,2-Dibromo-3-Chloropropane	U			0.00127	0.00605	1	03/30/2018 05:54	WG1091310
1,2-Dibromoethane	U			0.000415	0.00121	1	03/30/2018 05:54	WG1091310
Dibromomethane	U			0.000462	0.00121	1	03/30/2018 05:54	WG1091310
1,2-Dichlorobenzene	U			0.000369	0.00121	1	03/30/2018 05:54	WG1091310
1,3-Dichlorobenzene	U			0.000289	0.00121	1	03/30/2018 05:54	WG1091310
1,4-Dichlorobenzene	U			0.000273	0.00121	1	03/30/2018 05:54	WG1091310
Dichlorodifluoromethane	U			0.000863	0.00605	1	03/30/2018 05:54	WG1091310
1,1-Dichloroethane	U			0.000241	0.00121	1	03/30/2018 05:54	WG1091310
1,2-Dichloroethane	U			0.000321	0.00121	1	03/30/2018 05:54	WG1091310
1,1-Dichloroethene	U			0.000367	0.00121	1	03/30/2018 05:54	WG1091310
cis-1,2-Dichloroethene	0.000737	J	J	0.000284	0.00121	1	03/30/2018 05:54	WG1091310
trans-1,2-Dichloroethene	U	UJ		0.000319	0.00121	1	03/30/2018 05:54	WG1091310
1,2-Dichloropropane	U			0.000433	0.00121	1	03/30/2018 05:54	WG1091310
1,1-Dichloropropene	U			0.000384	0.00121	1	03/30/2018 05:54	WG1091310
1,3-Dichloropropane	U			0.000250	0.00121	1	03/30/2018 05:54	WG1091310
cis-1,3-Dichloropropene	U			0.000317	0.00121	1	03/30/2018 05:54	WG1091310
trans-1,3-Dichloropropene	U			0.000323	0.00121	1	03/30/2018 05:54	WG1091310
trans-1,4-Dichloro-2-butene	U			0.000941	0.00302	1	03/30/2018 05:54	WG1091310
2,2-Dichloropropane	U			0.000338	0.00121	1	03/30/2018 05:54	WG1091310
Di-isopropyl ether	U			0.000300	0.00121	1	03/30/2018 05:54	WG1091310
Ethylbenzene	U			0.000359	0.00121	1	03/30/2018 05:54	WG1091310
Hexachloro-1,3-butadiene	U			0.000414	0.00121	1	03/30/2018 05:54	WG1091310
2-Hexanone	U			0.00166	0.0121	1	03/30/2018 05:54	WG1091310
n-Hexane	U			0.000351	0.0121	1	03/30/2018 05:54	WG1091310
Iodomethane	U			0.00306	0.0121	1	03/30/2018 05:54	WG1091310
Isopropylbenzene	U			0.000294	0.00121	1	03/30/2018 05:54	WG1091310
p-Isopropyltoluene	U			0.000247	0.00121	1	03/30/2018 05:54	WG1091310
2-Butanone (MEK)	U			0.00566	0.0121	1	03/30/2018 05:54	WG1091310
Methylene Chloride	U			0.00121	0.00605	1	03/30/2018 05:54	WG1091310
4-Methyl-2-pentanone (MIBK)	U			0.00227	0.0121	1	03/30/2018 05:54	WG1091310

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U	UJ	0.000256	0.00121	1	03/30/2018 05:54	WG1091310
Naphthalene	U	↓	0.00121	0.00605	1	03/30/2018 05:54	WG1091310
n-Propylbenzene	U	↓	0.000249	0.00121	1	03/30/2018 05:54	WG1091310
Styrene	U	↓	0.000283	0.00121	1	03/30/2018 05:54	WG1091310
1,1,1,2-Tetrachloroethane	U	↓	0.000319	0.00121	1	03/30/2018 05:54	WG1091310
1,1,2,2-Tetrachloroethane	U	↓	0.000442	0.00121	1	03/30/2018 05:54	WG1091310
1,1,2-Trichlorotrifluoroethane	U	↓	0.000442	0.00121	1	03/30/2018 05:54	WG1091310
Tetrachloroethene	0.00462	J	0.000334	0.00121	1	04/01/2018 15:44	WG1091310
Toluene	U	UJ	0.000525	0.00605	1	03/30/2018 05:54	WG1091310
1,2,3-Trichlorobenzene	U	↓	0.000370	0.00121	1	03/30/2018 05:54	WG1091310
1,2,4-Trichlorobenzene	U	↓	0.000469	0.00121	1	03/30/2018 05:54	WG1091310
1,1,1-Trichloroethane	U	↓	0.000346	0.00121	1	03/30/2018 05:54	WG1091310
1,1,2-Trichloroethane	U	↓	0.000335	0.00121	1	03/30/2018 05:54	WG1091310
Trichloroethene	U	↓	0.000338	0.00121	1	03/30/2018 05:54	WG1091310
Trichlorofluoromethane	U	↓	0.000462	0.00605	1	03/30/2018 05:54	WG1091310
1,2,3-Trichloropropane	U	↓	0.000896	0.00302	1	03/30/2018 05:54	WG1091310
1,2,4-Trimethylbenzene	U	↓	0.000255	0.00121	1	03/30/2018 05:54	WG1091310
1,2,3-Trimethylbenzene	U	↓	0.000347	0.00121	1	03/30/2018 05:54	WG1091310
1,3,5-Trimethylbenzene	U	↓	0.000322	0.00121	1	03/30/2018 05:54	WG1091310
Vinyl acetate	U	↓	0.00289	0.0121	1	03/30/2018 05:54	WG1091310
Vinyl chloride	0.000712	J J	0.000352	0.00121	1	03/30/2018 05:54	WG1091310
Xylenes, Total	U	UJ	0.000844	0.00363	1	03/30/2018 05:54	WG1091310
(S) Toluene-d8	*97.7*			*80.0-120*		*03/30/2018 05:54*	WG1091310
(S) Toluene-d8	*103*			*80.0-120*		*04/01/2018 15:44*	WG1091310
(S) Dibromofluoromethane	*106*			*74.0-131*		*04/01/2018 15:44*	WG1091310
(S) Dibromofluoromethane	*107*			*74.0-131*		*03/30/2018 05:54*	WG1091310
(S) 4-Bromofluorobenzene	*103*			*64.0-132*		*04/01/2018 15:44*	WG1091310
(S) 4-Bromofluorobenzene	*105*			*64.0-132*		*03/30/2018 05:54*	WG1091310

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Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	95.1		1	03/30/2018 16:43	WG1091660

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U	UJ	0.0105	0.0526	1	03/30/2018 06:15	WG1091310
Acrylonitrile	U		0.00188	0.0105	1	03/30/2018 06:15	WG1091310
Benzene	U		0.000284	0.00105	1	03/30/2018 06:15	WG1091310
Bromobenzene	U		0.000299	0.00105	1	03/30/2018 06:15	WG1091310
Bromodichloromethane	U		0.000267	0.00105	1	03/30/2018 06:15	WG1091310
Bromochloromethane	U		0.000410	0.00526	1	03/30/2018 06:15	WG1091310
Bromoform	U		0.000446	0.00105	1	03/30/2018 06:15	WG1091310
Bromomethane	U		0.00141	0.00526	1	03/30/2018 06:15	WG1091310
n-Butylbenzene	U		0.000271	0.00105	1	03/30/2018 06:15	WG1091310
sec-Butylbenzene	U		0.000211	0.00105	1	03/30/2018 06:15	WG1091310
tert-Butylbenzene	U		0.000217	0.00105	1	03/30/2018 06:15	WG1091310
Carbon disulfide	0.000999	J J	0.000232	0.00105	1	03/30/2018 06:15	WG1091310
Carbon tetrachloride	U	UJ	0.000345	0.00105	1	03/30/2018 06:15	WG1091310
Chlorobenzene	U		0.000223	0.00105	1	03/30/2018 06:15	WG1091310
Chlorodibromomethane	U		0.000392	0.00105	1	03/30/2018 06:15	WG1091310
Chloroethane	U		0.000994	0.00526	1	03/30/2018 06:15	WG1091310
Chloroform	U		0.000241	0.00526	1	03/30/2018 06:15	WG1091310
Chloromethane	U		0.000394	0.00263	1	03/30/2018 06:15	WG1091310
2-Chlorotoluene	U		0.000316	0.00105	1	03/30/2018 06:15	WG1091310
4-Chlorotoluene	U		0.000252	0.00105	1	03/30/2018 06:15	WG1091310
1,2-Dibromo-3-Chloropropane	U		0.00110	0.00526	1	03/30/2018 06:15	WG1091310
1,2-Dibromoethane	U		0.000361	0.00105	1	03/30/2018 06:15	WG1091310
Dibromomethane	U		0.000402	0.00105	1	03/30/2018 06:15	WG1091310
1,2-Dichlorobenzene	U		0.000321	0.00105	1	03/30/2018 06:15	WG1091310
1,3-Dichlorobenzene	U		0.000251	0.00105	1	03/30/2018 06:15	WG1091310
1,4-Dichlorobenzene	U		0.000238	0.00105	1	03/30/2018 06:15	WG1091310
Dichlorodifluoromethane	U		0.000749	0.00526	1	03/30/2018 06:15	WG1091310
1,1-Dichloroethane	U		0.000209	0.00105	1	03/30/2018 06:15	WG1091310
1,2-Dichloroethane	U		0.000279	0.00105	1	03/30/2018 06:15	WG1091310
1,1-Dichloroethene	0.000329	J J	0.000319	0.00105	1	03/30/2018 06:15	WG1091310
cis-1,2-Dichloroethene	0.00149	J	0.000247	0.00105	1	03/30/2018 06:15	WG1091310
trans-1,2-Dichloroethene	U	UJ	0.000278	0.00105	1	03/30/2018 06:15	WG1091310
1,2-Dichloropropane	U		0.000376	0.00105	1	03/30/2018 06:15	WG1091310
1,1-Dichloropropene	U		0.000333	0.00105	1	03/30/2018 06:15	WG1091310
1,3-Dichloropropane	U		0.000218	0.00105	1	03/30/2018 06:15	WG1091310
cis-1,3-Dichloropropene	U		0.000275	0.00105	1	03/30/2018 06:15	WG1091310
trans-1,3-Dichloropropene	U		0.000281	0.00105	1	03/30/2018 06:15	WG1091310
trans-1,4-Dichloro-2-butene	U		0.000818	0.00263	1	03/30/2018 06:15	WG1091310
2,2-Dichloropropane	U		0.000293	0.00105	1	03/30/2018 06:15	WG1091310
Di-isopropyl ether	U		0.000261	0.00105	1	03/30/2018 06:15	WG1091310
Ethylbenzene	U		0.000312	0.00105	1	03/30/2018 06:15	WG1091310
Hexachloro-1,3-butadiene	U		0.000359	0.00105	1	03/30/2018 06:15	WG1091310
2-Hexanone	U		0.00144	0.0105	1	03/30/2018 06:15	WG1091310
n-Hexane	0.000618	J J	0.000305	0.0105	1	03/30/2018 06:15	WG1091310
Iodomethane	U	UJ	0.00266	0.0105	1	03/30/2018 06:15	WG1091310
Isopropylbenzene	U		0.000255	0.00105	1	03/30/2018 06:15	WG1091310
p-Isopropyltoluene	U		0.000214	0.00105	1	03/30/2018 06:15	WG1091310
2-Butanone (MEK)	U		0.00492	0.0105	1	03/30/2018 06:15	WG1091310
Methylene Chloride	U		0.00105	0.00526	1	03/30/2018 06:15	WG1091310
4-Methyl-2-pentanone (MIBK)	U		0.00198	0.0105	1	03/30/2018 06:15	WG1091310

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IW-46B-40

Collected date/time: 03/20/18 14:32

SAMPLE RESULTS - 08

L980722

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U	UJ	0.000223	0.00105	1	03/30/2018 06:15	WG1091310
Naphthalene	U	↓	0.00105	0.00526	1	03/30/2018 06:15	WG1091310
n-Propylbenzene	U	↓	0.000217	0.00105	1	03/30/2018 06:15	WG1091310
Styrene	U	↓	0.000246	0.00105	1	03/30/2018 06:15	WG1091310
1,1,1,2-Tetrachloroethane	U	↓	0.000278	0.00105	1	03/30/2018 06:15	WG1091310
1,1,2,2-Tetrachloroethane	U	↓	0.000384	0.00105	1	03/30/2018 06:15	WG1091310
1,1,2-Trichlorotrifluoroethane	U	↓	0.000384	0.00105	1	03/30/2018 06:15	WG1091310
Tetrachloroethene	2.36	J	0.0145	0.0526	50	04/01/2018 18:54	WG1091310
Toluene	U	UJ	0.000456	0.00526	1	03/30/2018 06:15	WG1091310
1,2,3-Trichlorobenzene	U	↓	0.000322	0.00105	1	03/30/2018 06:15	WG1091310
1,2,4-Trichlorobenzene	U	↓	0.000408	0.00105	1	03/30/2018 06:15	WG1091310
1,1,1-Trichloroethane	U	↓	0.000301	0.00105	1	03/30/2018 06:15	WG1091310
1,1,2-Trichloroethane	U	↓	0.000291	0.00105	1	03/30/2018 06:15	WG1091310
Trichloroethene	0.0147	J	0.000293	0.00105	1	03/30/2018 06:15	WG1091310
Trichlorofluoromethane	U	UJ	0.000402	0.00526	1	03/30/2018 06:15	WG1091310
1,2,3-Trichloropropane	U	↓	0.000779	0.00263	1	03/30/2018 06:15	WG1091310
1,2,4-Trimethylbenzene	U	↓	0.000222	0.00105	1	03/30/2018 06:15	WG1091310
1,2,3-Trimethylbenzene	U	↓	0.000302	0.00105	1	03/30/2018 06:15	WG1091310
1,3,5-Trimethylbenzene	U	↓	0.000280	0.00105	1	03/30/2018 06:15	WG1091310
Vinyl acetate	U	↓	0.00251	0.0105	1	03/30/2018 06:15	WG1091310
Vinyl chloride	U	↓	0.000306	0.00105	1	03/30/2018 06:15	WG1091310
Xylenes, Total	U	↓	0.000734	0.00315	1	03/30/2018 06:15	WG1091310
(S) Toluene-d8	*95.5*			*80.0-120*		*04/01/2018 18:54*	WG1091310
(S) Toluene-d8	*97.4*			*80.0-120*		*03/30/2018 06:15*	WG1091310
(S) Dibromofluoromethane	*97.2*			*74.0-131*		*04/01/2018 18:54*	WG1091310
(S) Dibromofluoromethane	*109*			*74.0-131*		*03/30/2018 06:15*	WG1091310
(S) 4-Bromofluorobenzene	*99.4*			*64.0-132*		*04/01/2018 18:54*	WG1091310
(S) 4-Bromofluorobenzene	*106*			*64.0-132*		*03/30/2018 06:15*	WG1091310

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Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	87.9		1	03/30/2018 16:43	WG1091660

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U	UJ	56.9	284	5000	04/01/2018 19:15	WG1091310
Acrylonitrile	U		10.2	56.9	5000	04/01/2018 19:15	WG1091310
Benzene	U		1.54	5.69	5000	04/01/2018 19:15	WG1091310
Bromobenzene	U		1.62	5.69	5000	04/01/2018 19:15	WG1091310
Bromodichloromethane	U		1.44	5.69	5000	04/01/2018 19:15	WG1091310
Bromochloromethane	U		2.22	28.4	5000	04/01/2018 19:15	WG1091310
Bromoform	U		2.41	5.69	5000	04/01/2018 19:15	WG1091310
Bromomethane	U		7.62	28.4	5000	04/01/2018 19:15	WG1091310
n-Butylbenzene	U		1.47	5.69	5000	04/01/2018 19:15	WG1091310
sec-Butylbenzene	U		1.14	5.69	5000	04/01/2018 19:15	WG1091310
tert-Butylbenzene	U		1.17	5.69	5000	04/01/2018 19:15	WG1091310
Carbon disulfide	U		1.25	5.69	5000	04/01/2018 19:15	WG1091310
Carbon tetrachloride	U		1.87	5.69	5000	04/01/2018 19:15	WG1091310
Chlorobenzene	U		1.21	5.69	5000	04/01/2018 19:15	WG1091310
Chlorodibromomethane	U		2.12	5.69	5000	04/01/2018 19:15	WG1091310
Chloroethane	U		5.38	28.4	5000	04/01/2018 19:15	WG1091310
Chloroform	U		1.30	28.4	5000	04/01/2018 19:15	WG1091310
Chloromethane	U		2.14	14.2	5000	04/01/2018 19:15	WG1091310
2-Chlorotoluene	U		1.71	5.69	5000	04/01/2018 19:15	WG1091310
4-Chlorotoluene	U		1.37	5.69	5000	04/01/2018 19:15	WG1091310
1,2-Dibromo-3-Chloropropane	U		5.97	28.4	5000	04/01/2018 19:15	WG1091310
1,2-Dibromoethane	U	J4	1.96	5.69	5000	04/01/2018 19:15	WG1091310
Dibromomethane	U		2.17	5.69	5000	04/01/2018 19:15	WG1091310
1,2-Dichlorobenzene	U		1.73	5.69	5000	04/01/2018 19:15	WG1091310
1,3-Dichlorobenzene	U		1.37	5.69	5000	04/01/2018 19:15	WG1091310
1,4-Dichlorobenzene	U		1.29	5.69	5000	04/01/2018 19:15	WG1091310
Dichlorodifluoromethane	U		4.05	28.4	5000	04/01/2018 19:15	WG1091310
1,1-Dichloroethane	U		1.13	5.69	5000	04/01/2018 19:15	WG1091310
1,2-Dichloroethane	U		1.50	5.69	5000	04/01/2018 19:15	WG1091310
1,1-Dichloroethene	U		1.73	5.69	5000	04/01/2018 19:15	WG1091310
cis-1,2-Dichloroethene	2.47	J J	1.34	5.69	5000	04/01/2018 19:15	WG1091310
trans-1,2-Dichloroethene	U	UJ	1.50	5.69	5000	04/01/2018 19:15	WG1091310
1,2-Dichloropropane	U		2.04	5.69	5000	04/01/2018 19:15	WG1091310
1,1-Dichloropropene	U		1.80	5.69	5000	04/01/2018 19:15	WG1091310
1,3-Dichloropropane	U		1.18	5.69	5000	04/01/2018 19:15	WG1091310
cis-1,3-Dichloropropene	U		1.49	5.69	5000	04/01/2018 19:15	WG1091310
trans-1,3-Dichloropropene	U		1.52	5.69	5000	04/01/2018 19:15	WG1091310
trans-1,4-Dichloro-2-butene	U	J4	4.43	14.2	5000	04/01/2018 19:15	WG1091310
2,2-Dichloropropane	U		1.59	5.69	5000	04/01/2018 19:15	WG1091310
Di-isopropyl ether	U		1.41	5.69	5000	04/01/2018 19:15	WG1091310
Ethylbenzene	U		1.68	5.69	5000	04/01/2018 19:15	WG1091310
Hexachloro-1,3-butadiene	U		1.95	5.69	5000	04/01/2018 19:15	WG1091310
2-Hexanone	U	J3	7.79	56.9	5000	04/01/2018 19:15	WG1091310
n-Hexane	U		1.65	56.9	5000	04/01/2018 19:15	WG1091310
Iodomethane	U		14.3	56.9	5000	04/01/2018 19:15	WG1091310
Isopropylbenzene	U		1.39	5.69	5000	04/01/2018 19:15	WG1091310
p-Isopropyltoluene	U		1.16	5.69	5000	04/01/2018 19:15	WG1091310
2-Butanone (MEK)	U		26.6	56.9	5000	04/01/2018 19:15	WG1091310
Methylene Chloride	U		5.69	28.4	5000	04/01/2018 19:15	WG1091310
4-Methyl-2-pentanone (MIBK)	U	J3	10.7	56.9	5000	04/01/2018 19:15	WG1091310

JL 4/19/18

IW-46B-45

Collected date/time: 03/20/18 14:49

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U	UJ	1.21	5.69	5000	04/01/2018 19:15	WG1091310
Naphthalene	U		5.69	28.4	5000	04/01/2018 19:15	WG1091310
n-Propylbenzene	U		1.17	5.69	5000	04/01/2018 19:15	WG1091310
Styrene	U		1.33	5.69	5000	04/01/2018 19:15	WG1091310
1,1,1,2-Tetrachloroethane	U		1.50	5.69	5000	04/01/2018 19:15	WG1091310
1,1,2,2-Tetrachloroethane	U		2.07	5.69	5000	04/01/2018 19:15	WG1091310
1,1,2-Trichlorotrifluoroethane	U		2.07	5.69	5000	04/01/2018 19:15	WG1091310
Tetrachloroethene	261	J	1.57	5.69	5000	04/01/2018 19:15	WG1091310
Toluene	U	UJ	2.47	28.4	5000	04/01/2018 19:15	WG1091310
1,2,3-Trichlorobenzene	U		1.74	5.69	5000	04/01/2018 19:15	WG1091310
1,2,4-Trichlorobenzene	U		2.21	5.69	5000	04/01/2018 19:15	WG1091310
1,1,1-Trichloroethane	U		1.63	5.69	5000	04/01/2018 19:15	WG1091310
1,1,2-Trichloroethane	U		1.57	5.69	5000	04/01/2018 19:15	WG1091310
Trichloroethene	U	J4	1.59	5.69	5000	04/01/2018 19:15	WG1091310
Trichlorofluoromethane	U		2.17	28.4	5000	04/01/2018 19:15	WG1091310
1,2,3-Trichloropropane	U		4.21	14.2	5000	04/01/2018 19:15	WG1091310
1,2,4-Trimethylbenzene	U		1.21	5.69	5000	04/01/2018 19:15	WG1091310
1,2,3-Trimethylbenzene	U		1.64	5.69	5000	04/01/2018 19:15	WG1091310
1,3,5-Trimethylbenzene	U		1.51	5.69	5000	04/01/2018 19:15	WG1091310
Vinyl acetate	U		13.7	56.9	5000	04/01/2018 19:15	WG1091310
Vinyl chloride	U		1.66	5.69	5000	04/01/2018 19:15	WG1091310
Xylenes, Total	U	J4	3.97	17.1	5000	04/01/2018 19:15	WG1091310
(S) Toluene-d8	*106*			*80.0-120*		*04/01/2018 19:15*	WG1091310
(S) Dibromofluoromethane	*96.1*			*74.0-131*		*04/01/2018 19:15*	WG1091310
(S) 4-Bromofluorobenzene	*100*			*64.0-132*		*04/01/2018 19:15*	WG1091310

Sample Narrative:

L980722-09 WG1091310: Cannot be analyzed at a lower dilution due to high levels of target analytes.

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Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	100		1	03/30/2018 16:43	WG1091660

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.0203	J J J	0.0100	0.0500	1	03/30/2018 06:36	WG1091310
Acrylonitrile	U	UJ	0.00179	0.0100	1	03/30/2018 06:36	WG1091310
Benzene	0.000504	J J	0.000270	0.00100	1	03/30/2018 06:36	WG1091310
Bromobenzene	U	UJ	0.000284	0.00100	1	03/30/2018 06:36	WG1091310
Bromodichloromethane	U		0.000254	0.00100	1	03/30/2018 06:36	WG1091310
Bromochloromethane	U		0.000390	0.00500	1	03/30/2018 06:36	WG1091310
Bromoform	U		0.000424	0.00100	1	03/30/2018 06:36	WG1091310
Bromomethane	U		0.00134	0.00500	1	03/30/2018 06:36	WG1091310
n-Butylbenzene	U		0.000258	0.00100	1	03/30/2018 06:36	WG1091310
sec-Butylbenzene	U		0.000201	0.00100	1	03/30/2018 06:36	WG1091310
tert-Butylbenzene	U		0.000206	0.00100	1	03/30/2018 06:36	WG1091310
Carbon disulfide	0.00218	J	0.000221	0.00100	1	03/30/2018 06:36	WG1091310
Carbon tetrachloride	U	UJ	0.000328	0.00100	1	03/30/2018 06:36	WG1091310
Chlorobenzene	U		0.000212	0.00100	1	03/30/2018 06:36	WG1091310
Chlorodibromomethane	U		0.000373	0.00100	1	03/30/2018 06:36	WG1091310
Chloroethane	U		0.000946	0.00500	1	03/30/2018 06:36	WG1091310
Chloroform	U		0.000229	0.00500	1	03/30/2018 06:36	WG1091310
Chloromethane	U		0.000375	0.00250	1	03/30/2018 06:36	WG1091310
2-Chlorotoluene	U		0.000301	0.00100	1	03/30/2018 06:36	WG1091310
4-Chlorotoluene	U		0.000240	0.00100	1	03/30/2018 06:36	WG1091310
1,2-Dibromo-3-Chloropropane	U		0.00105	0.00500	1	03/30/2018 06:36	WG1091310
1,2-Dibromoethane	U		0.000343	0.00100	1	03/30/2018 06:36	WG1091310
Dibromomethane	U		0.000382	0.00100	1	03/30/2018 06:36	WG1091310
1,2-Dichlorobenzene	U		0.000305	0.00100	1	03/30/2018 06:36	WG1091310
1,3-Dichlorobenzene	U		0.000239	0.00100	1	03/30/2018 06:36	WG1091310
1,4-Dichlorobenzene	U		0.000226	0.00100	1	03/30/2018 06:36	WG1091310
Dichlorodifluoromethane	U		0.000713	0.00500	1	03/30/2018 06:36	WG1091310
1,1-Dichloroethane	U		0.000199	0.00100	1	03/30/2018 06:36	WG1091310
1,2-Dichloroethane	U		0.000265	0.00100	1	03/30/2018 06:36	WG1091310
1,1-Dichloroethene	0.00222	J	0.000303	0.00100	1	03/30/2018 06:36	WG1091310
cis-1,2-Dichloroethene	2.05		0.0588	0.250	250	04/01/2018 19:36	WG1091310
trans-1,2-Dichloroethene	0.00309		0.000264	0.00100	1	03/30/2018 06:36	WG1091310
1,2-Dichloropropane	U	UJ	0.000358	0.00100	1	03/30/2018 06:36	WG1091310
1,1-Dichloropropene	U		0.000317	0.00100	1	03/30/2018 06:36	WG1091310
1,3-Dichloropropane	U		0.000207	0.00100	1	03/30/2018 06:36	WG1091310
cis-1,3-Dichloropropene	U		0.000262	0.00100	1	03/30/2018 06:36	WG1091310
trans-1,3-Dichloropropene	U		0.000267	0.00100	1	03/30/2018 06:36	WG1091310
trans-1,4-Dichloro-2-butene	U		0.000778	0.00250	1	03/30/2018 06:36	WG1091310
2,2-Dichloropropane	U		0.000279	0.00100	1	03/30/2018 06:36	WG1091310
Di-isopropyl ether	U		0.000248	0.00100	1	03/30/2018 06:36	WG1091310
Ethylbenzene	U		0.000297	0.00100	1	03/30/2018 06:36	WG1091310
Hexachloro-1,3-butadiene	U		0.000342	0.00100	1	03/30/2018 06:36	WG1091310
2-Hexanone	U		0.00137	0.0100	1	03/30/2018 06:36	WG1091310
n-Hexane	U		0.000290	0.0100	1	03/30/2018 06:36	WG1091310
Iodomethane	U		0.00253	0.0100	1	03/30/2018 06:36	WG1091310
Isopropylbenzene	U		0.000243	0.00100	1	03/30/2018 06:36	WG1091310
p-Isopropyltoluene	U		0.000204	0.00100	1	03/30/2018 06:36	WG1091310
2-Butanone (MEK)	U		0.00468	0.0100	1	03/30/2018 06:36	WG1091310
Methylene Chloride	U		0.00100	0.00500	1	03/30/2018 06:36	WG1091310
4-Methyl-2-pentanone (MIBK)	U		0.00188	0.0100	1	03/30/2018 06:36	WG1091310

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IW-46B-50

Collected date/time: 03/20/18 14:59

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L980722

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U	UJ	0.000212	0.00100	1	03/30/2018 06:36	WG1091310
Naphthalene	U		0.00100	0.00500	1	03/30/2018 06:36	WG1091310
n-Propylbenzene	U		0.000206	0.00100	1	03/30/2018 06:36	WG1091310
Styrene	U		0.000234	0.00100	1	03/30/2018 06:36	WG1091310
1,1,1,2-Tetrachloroethane	U		0.000264	0.00100	1	03/30/2018 06:36	WG1091310
1,1,2,2-Tetrachloroethane	U		0.000365	0.00100	1	03/30/2018 06:36	WG1091310
1,1,2-Trichlorotrifluoroethane	U		0.000365	0.00100	1	03/30/2018 06:36	WG1091310
Tetrachloroethene	2.31	J	0.0690	0.250	250	04/01/2018 19:36	WG1091310
Toluene	0.000577	J J	0.000434	0.00500	1	03/30/2018 06:36	WG1091310
1,2,3-Trichlorobenzene	U	UJ	0.000306	0.00100	1	03/30/2018 06:36	WG1091310
1,2,4-Trichlorobenzene	U		0.000388	0.00100	1	03/30/2018 06:36	WG1091310
1,1,1-Trichloroethane	U		0.000286	0.00100	1	03/30/2018 06:36	WG1091310
1,1,2-Trichloroethane	U		0.000277	0.00100	1	03/30/2018 06:36	WG1091310
Trichloroethene	0.0168	J	0.000279	0.00100	1	03/30/2018 06:36	WG1091310
Trichlorofluoromethane	U	UJ	0.000382	0.00500	1	03/30/2018 06:36	WG1091310
1,2,3-Trichloropropane	U		0.000741	0.00250	1	03/30/2018 06:36	WG1091310
1,2,4-Trimethylbenzene	U		0.000211	0.00100	1	03/30/2018 06:36	WG1091310
1,2,3-Trimethylbenzene	U		0.000287	0.00100	1	03/30/2018 06:36	WG1091310
1,3,5-Trimethylbenzene	U		0.000266	0.00100	1	03/30/2018 06:36	WG1091310
Vinyl acetate	U		0.00239	0.0100	1	03/30/2018 06:36	WG1091310
Vinyl chloride	1.65	J	0.0728	0.250	250	04/01/2018 19:36	WG1091310
Xylenes, Total	U	UJ	0.000698	0.00300	1	03/30/2018 06:36	WG1091310
(S) Toluene-d8	*99.3*			*80.0-120*		*03/30/2018 06:36*	WG1091310
(S) Toluene-d8	*107*			*80.0-120*		*04/01/2018 19:36*	WG1091310
(S) Dibromofluoromethane	*105*			*74.0-131*		*03/30/2018 06:36*	WG1091310
(S) Dibromofluoromethane	*96.3*			*74.0-131*		*04/01/2018 19:36*	WG1091310
(S) 4-Bromofluorobenzene	*107*			*64.0-132*		*03/30/2018 06:36*	WG1091310
(S) 4-Bromofluorobenzene	*102*			*64.0-132*		*04/01/2018 19:36*	WG1091310

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Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	89.7		1	03/30/2018 16:43	WG1091660

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg		Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.0159	J	J	0.0112	0.0558	1	03/30/2018 06:57	WG1091310
Acrylonitrile	U	UJ		0.00200	0.0112	1	03/30/2018 06:57	WG1091310
Benzene	0.000305	J	J	0.000301	0.00112	1	03/30/2018 06:57	WG1091310
Bromobenzene	U	UJ		0.000317	0.00112	1	03/30/2018 06:57	WG1091310
Bromodichloromethane	U	↓		0.000283	0.00112	1	03/30/2018 06:57	WG1091310
Bromochloromethane	U	↓		0.000435	0.00558	1	03/30/2018 06:57	WG1091310
Bromoform	U	↓		0.000473	0.00112	1	03/30/2018 06:57	WG1091310
Bromomethane	U	↓		0.00149	0.00558	1	03/30/2018 06:57	WG1091310
n-Butylbenzene	U	↓		0.000288	0.00112	1	03/30/2018 06:57	WG1091310
sec-Butylbenzene	U	↓		0.000224	0.00112	1	03/30/2018 06:57	WG1091310
tert-Butylbenzene	U	↓		0.000230	0.00112	1	03/30/2018 06:57	WG1091310
Carbon disulfide	0.00266	J		0.000246	0.00112	1	03/30/2018 06:57	WG1091310
Carbon tetrachloride	U	UJ		0.000366	0.00112	1	03/30/2018 06:57	WG1091310
Chlorobenzene	U	↓		0.000236	0.00112	1	03/30/2018 06:57	WG1091310
Chlorodibromomethane	U	↓		0.000416	0.00112	1	03/30/2018 06:57	WG1091310
Chloroethane	U	↓		0.00105	0.00558	1	03/30/2018 06:57	WG1091310
Chloroform	U	↓		0.000255	0.00558	1	03/30/2018 06:57	WG1091310
Chloromethane	U	↓		0.000418	0.00279	1	03/30/2018 06:57	WG1091310
2-Chlorotoluene	U	↓		0.000336	0.00112	1	03/30/2018 06:57	WG1091310
4-Chlorotoluene	U	↓		0.000268	0.00112	1	03/30/2018 06:57	WG1091310
1,2-Dibromo-3-Chloropropane	U	↓		0.00117	0.00558	1	03/30/2018 06:57	WG1091310
1,2-Dibromoethane	U	↓		0.000382	0.00112	1	03/30/2018 06:57	WG1091310
Dibromomethane	U	↓		0.000426	0.00112	1	03/30/2018 06:57	WG1091310
1,2-Dichlorobenzene	U	↓		0.000340	0.00112	1	03/30/2018 06:57	WG1091310
1,3-Dichlorobenzene	U	↓		0.000267	0.00112	1	03/30/2018 06:57	WG1091310
1,4-Dichlorobenzene	U	↓		0.000252	0.00112	1	03/30/2018 06:57	WG1091310
Dichlorodifluoromethane	U	↓		0.000795	0.00558	1	03/30/2018 06:57	WG1091310
1,1-Dichloroethane	U	↓		0.000222	0.00112	1	03/30/2018 06:57	WG1091310
1,2-Dichloroethane	U	↓		0.000296	0.00112	1	03/30/2018 06:57	WG1091310
1,1-Dichloroethene	0.00185	J		0.000338	0.00112	1	03/30/2018 06:57	WG1091310
cis-1,2-Dichloroethene	1.06	J		0.0656	0.279	250	04/01/2018 19:57	WG1091310
trans-1,2-Dichloroethene	0.000783	J	J	0.000294	0.00112	1	03/30/2018 06:57	WG1091310
1,2-Dichloropropane	U	UJ		0.000399	0.00112	1	03/30/2018 06:57	WG1091310
1,1-Dichloropropene	U	↓		0.000353	0.00112	1	03/30/2018 06:57	WG1091310
1,3-Dichloropropane	U	↓		0.000231	0.00112	1	03/30/2018 06:57	WG1091310
cis-1,3-Dichloropropene	U	↓		0.000292	0.00112	1	03/30/2018 06:57	WG1091310
trans-1,3-Dichloropropene	U	↓		0.000298	0.00112	1	03/30/2018 06:57	WG1091310
trans-1,4-Dichloro-2-butene	U	↓		0.000868	0.00279	1	03/30/2018 06:57	WG1091310
2,2-Dichloropropane	U	↓		0.000311	0.00112	1	03/30/2018 06:57	WG1091310
Di-isopropyl ether	U	↓		0.000277	0.00112	1	03/30/2018 06:57	WG1091310
Ethylbenzene	U	↓		0.000331	0.00112	1	03/30/2018 06:57	WG1091310
Hexachloro-1,3-butadiene	U	↓		0.000381	0.00112	1	03/30/2018 06:57	WG1091310
2-Hexanone	U	↓		0.00153	0.0112	1	03/30/2018 06:57	WG1091310
n-Hexane	U	↓		0.000323	0.0112	1	03/30/2018 06:57	WG1091310
Iodomethane	U	↓		0.00282	0.0112	1	03/30/2018 06:57	WG1091310
Isopropylbenzene	U	↓		0.000271	0.00112	1	03/30/2018 06:57	WG1091310
p-Isopropyltoluene	U	↓		0.000227	0.00112	1	03/30/2018 06:57	WG1091310
2-Butanone (MEK)	U	↓		0.00522	0.0112	1	03/30/2018 06:57	WG1091310
Methylene Chloride	U	↓		0.00112	0.00558	1	03/30/2018 06:57	WG1091310
4-Methyl-2-pentanone (MIBK)	U	↓		0.00210	0.0112	1	03/30/2018 06:57	WG1091310

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IW-46B-55

Collected date/time: 03/20/18 15:05

SAMPLE RESULTS - 11

L980722

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U	UJ	0.000236	0.00112	1	03/30/2018 06:57	WG1091310
Naphthalene	U	↓	0.00112	0.00558	1	03/30/2018 06:57	WG1091310
n-Propylbenzene	U	↓	0.000230	0.00112	1	03/30/2018 06:57	WG1091310
Styrene	U	↓	0.000261	0.00112	1	03/30/2018 06:57	WG1091310
1,1,1,2-Tetrachloroethane	U	↓	0.000294	0.00112	1	03/30/2018 06:57	WG1091310
1,1,2,2-Tetrachloroethane	U	↓	0.000407	0.00112	1	03/30/2018 06:57	WG1091310
1,1,2-Trichlorotrifluoroethane	U	↓	0.000407	0.00112	1	03/30/2018 06:57	WG1091310
Tetrachloroethene	14.3	J	0.0769	0.279	250	04/01/2018 19:57	WG1091310
Toluene	U	UJ	0.000484	0.00558	1	03/30/2018 06:57	WG1091310
1,2,3-Trichlorobenzene	U	↓	0.000341	0.00112	1	03/30/2018 06:57	WG1091310
1,2,4-Trichlorobenzene	U	↓	0.000433	0.00112	1	03/30/2018 06:57	WG1091310
1,1,1-Trichloroethane	U	↓	0.000319	0.00112	1	03/30/2018 06:57	WG1091310
1,1,2-Trichloroethane	U	↓	0.000309	0.00112	1	03/30/2018 06:57	WG1091310
Trichloroethene	0.0266	J	0.000311	0.00112	1	03/30/2018 06:57	WG1091310
Trichlorofluoromethane	U	UJ	0.000426	0.00558	1	03/30/2018 06:57	WG1091310
1,2,3-Trichloropropane	U	↓	0.000826	0.00279	1	03/30/2018 06:57	WG1091310
1,2,4-Trimethylbenzene	0.000290	J J	0.000235	0.00112	1	03/30/2018 06:57	WG1091310
1,2,3-Trimethylbenzene	U	UJ	0.000320	0.00112	1	03/30/2018 06:57	WG1091310
1,3,5-Trimethylbenzene	U	↓	0.000297	0.00112	1	03/30/2018 06:57	WG1091310
Vinyl acetate	U	↓	0.00267	0.0112	1	03/30/2018 06:57	WG1091310
Vinyl chloride	0.0923	J	0.000324	0.00112	1	03/30/2018 06:57	WG1091310
Xylenes, Total	U	UJ	0.000778	0.00335	1	03/30/2018 06:57	WG1091310
(S) Toluene-d8	*97.8*			*80.0-120*		*03/30/2018 06:57*	WG1091310
(S) Toluene-d8	*108*			*80.0-120*		*04/01/2018 19:57*	WG1091310
(S) Dibromofluoromethane	*105*			*74.0-131*		*03/30/2018 06:57*	WG1091310
(S) Dibromofluoromethane	*97.4*			*74.0-131*		*04/01/2018 19:57*	WG1091310
(S) 4-Bromofluorobenzene	*111*			*64.0-132*		*03/30/2018 06:57*	WG1091310
(S) 4-Bromofluorobenzene	*101*			*64.0-132*		*04/01/2018 19:57*	WG1091310

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Jc 4/19/18

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	88.5		1	03/30/2018 16:43	WG1091660

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.0123	J J	0.0113	0.0565	1	03/30/2018 07:18	WG1091310
Acrylonitrile	U	UJ	0.00202	0.0113	1	03/30/2018 07:18	WG1091310
Benzene	U		0.000305	0.00113	1	03/30/2018 07:18	WG1091310
Bromobenzene	U		0.000321	0.00113	1	03/30/2018 07:18	WG1091310
Bromodichloromethane	U		0.000287	0.00113	1	03/30/2018 07:18	WG1091310
Bromochloromethane	U		0.000441	0.00565	1	03/30/2018 07:18	WG1091310
Bromoform	U		0.000479	0.00113	1	03/30/2018 07:18	WG1091310
Bromomethane	U		0.00151	0.00565	1	03/30/2018 07:18	WG1091310
n-Butylbenzene	U		0.000291	0.00113	1	03/30/2018 07:18	WG1091310
sec-Butylbenzene	U		0.000227	0.00113	1	03/30/2018 07:18	WG1091310
tert-Butylbenzene	U		0.000233	0.00113	1	03/30/2018 07:18	WG1091310
Carbon disulfide	0.00171	J	0.000250	0.00113	1	03/30/2018 07:18	WG1091310
Carbon tetrachloride	U	UJ	0.000371	0.00113	1	03/30/2018 07:18	WG1091310
Chlorobenzene	U		0.000239	0.00113	1	03/30/2018 07:18	WG1091310
Chlorodibromomethane	U		0.000421	0.00113	1	03/30/2018 07:18	WG1091310
Chloroethane	U		0.00107	0.00565	1	03/30/2018 07:18	WG1091310
Chloroform	U		0.000259	0.00565	1	03/30/2018 07:18	WG1091310
Chloromethane	U		0.000424	0.00282	1	03/30/2018 07:18	WG1091310
2-Chlorotoluene	U		0.000340	0.00113	1	03/30/2018 07:18	WG1091310
4-Chlorotoluene	U		0.000271	0.00113	1	03/30/2018 07:18	WG1091310
1,2-Dibromo-3-Chloropropane	U		0.00119	0.00565	1	03/30/2018 07:18	WG1091310
1,2-Dibromoethane	U		0.000387	0.00113	1	03/30/2018 07:18	WG1091310
Dibromomethane	U		0.000432	0.00113	1	03/30/2018 07:18	WG1091310
1,2-Dichlorobenzene	U		0.000345	0.00113	1	03/30/2018 07:18	WG1091310
1,3-Dichlorobenzene	U		0.000270	0.00113	1	03/30/2018 07:18	WG1091310
1,4-Dichlorobenzene	U		0.000255	0.00113	1	03/30/2018 07:18	WG1091310
Dichlorodifluoromethane	U		0.000805	0.00565	1	03/30/2018 07:18	WG1091310
1,1-Dichloroethane	U		0.000225	0.00113	1	03/30/2018 07:18	WG1091310
1,2-Dichloroethane	U		0.000299	0.00113	1	03/30/2018 07:18	WG1091310
1,1-Dichloroethene	0.0166	J	0.000342	0.00113	1	03/30/2018 07:18	WG1091310
cis-1,2-Dichloroethene	4.95		0.0664	0.282	250	04/01/2018 20:19	WG1091310
trans-1,2-Dichloroethene	0.00223		0.000298	0.00113	1	03/30/2018 07:18	WG1091310
1,2-Dichloropropane	U	UJ	0.000404	0.00113	1	03/30/2018 07:18	WG1091310
1,1-Dichloropropene	U		0.000358	0.00113	1	03/30/2018 07:18	WG1091310
1,3-Dichloropropane	U		0.000234	0.00113	1	03/30/2018 07:18	WG1091310
cis-1,3-Dichloropropene	U		0.000296	0.00113	1	03/30/2018 07:18	WG1091310
trans-1,3-Dichloropropene	U		0.000302	0.00113	1	03/30/2018 07:18	WG1091310
trans-1,4-Dichloro-2-butene	U		0.000879	0.00282	1	03/30/2018 07:18	WG1091310
2,2-Dichloropropane	U		0.000315	0.00113	1	03/30/2018 07:18	WG1091310
Di-isopropyl ether	U		0.000280	0.00113	1	03/30/2018 07:18	WG1091310
Ethylbenzene	U		0.000335	0.00113	1	03/30/2018 07:18	WG1091310
Hexachloro-1,3-butadiene	U		0.000386	0.00113	1	03/30/2018 07:18	WG1091310
2-Hexanone	U		0.00155	0.0113	1	03/30/2018 07:18	WG1091310
n-Hexane	U		0.000328	0.0113	1	03/30/2018 07:18	WG1091310
Iodomethane	U		0.00286	0.0113	1	03/30/2018 07:18	WG1091310
Isopropylbenzene	U		0.000274	0.00113	1	03/30/2018 07:18	WG1091310
p-Isopropyltoluene	U		0.000230	0.00113	1	03/30/2018 07:18	WG1091310
2-Butanone (MEK)	U		0.00529	0.0113	1	03/30/2018 07:18	WG1091310
Methylene Chloride	U		0.00113	0.00565	1	03/30/2018 07:18	WG1091310
4-Methyl-2-pentanone (MIBK)	U		0.00212	0.0113	1	03/30/2018 07:18	WG1091310

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Collected date/time: 03/20/18 15:16

SAMPLE RESULTS - 12

L980722

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U	UJ	0.000239	0.00113	1	03/30/2018 07:18	WG1091310
Naphthalene	U		0.00113	0.00565	1	03/30/2018 07:18	WG1091310
n-Propylbenzene	U		0.000233	0.00113	1	03/30/2018 07:18	WG1091310
Styrene	U		0.000264	0.00113	1	03/30/2018 07:18	WG1091310
1,1,1,2-Tetrachloroethane	U		0.000298	0.00113	1	03/30/2018 07:18	WG1091310
1,1,2,2-Tetrachloroethane	U		0.000412	0.00113	1	03/30/2018 07:18	WG1091310
1,1,2-Trichlorotrifluoroethane	U		0.000412	0.00113	1	03/30/2018 07:18	WG1091310
Tetrachloroethene	8.71	J	0.0779	0.282	250	04/01/2018 20:19	WG1091310
Toluene	U	UJ	0.000490	0.00565	1	03/30/2018 07:18	WG1091310
1,2,3-Trichlorobenzene	U		0.000346	0.00113	1	03/30/2018 07:18	WG1091310
1,2,4-Trichlorobenzene	U		0.000438	0.00113	1	03/30/2018 07:18	WG1091310
1,1,1-Trichloroethane	U		0.000323	0.00113	1	03/30/2018 07:18	WG1091310
1,1,2-Trichloroethane	U		0.000313	0.00113	1	03/30/2018 07:18	WG1091310
Trichloroethene	0.0393	J	0.000315	0.00113	1	03/30/2018 07:18	WG1091310
Trichlorofluoromethane	U	UJ	0.000432	0.00565	1	03/30/2018 07:18	WG1091310
1,2,3-Trichloropropane	U		0.000837	0.00282	1	03/30/2018 07:18	WG1091310
1,2,4-Trimethylbenzene	U		0.000238	0.00113	1	03/30/2018 07:18	WG1091310
1,2,3-Trimethylbenzene	U		0.000324	0.00113	1	03/30/2018 07:18	WG1091310
1,3,5-Trimethylbenzene	U		0.000300	0.00113	1	03/30/2018 07:18	WG1091310
Vinyl acetate	U		0.00270	0.0113	1	03/30/2018 07:18	WG1091310
Vinyl chloride	0.908	J	0.0822	0.282	250	04/01/2018 20:19	WG1091310
Xylenes, Total	U	UJ	0.000788	0.00339	1	03/30/2018 07:18	WG1091310
(S) Toluene-d8	*103*			*80.0-120*		*04/01/2018 20:19*	WG1091310
(S) Toluene-d8	*98.5*			*80.0-120*		*03/30/2018 07:18*	WG1091310
(S) Dibromofluoromethane	*105*			*74.0-131*		*03/30/2018 07:18*	WG1091310
(S) Dibromofluoromethane	*98.0*			*74.0-131*		*04/01/2018 20:19*	WG1091310
(S) 4-Bromofluorobenzene	*108*			*64.0-132*		*03/30/2018 07:18*	WG1091310
(S) 4-Bromofluorobenzene	*99.3*			*64.0-132*		*04/01/2018 20:19*	WG1091310

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

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Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	89.9		1	03/30/2018 16:43	WG1091660

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.0191 J	J	0.0111	0.0556	1	03/30/2018 07:39	WG1091310
Acrylonitrile	U	UJ	0.00199	0.0111	1	03/30/2018 07:39	WG1091310
Benzene	U		0.000300	0.00111	1	03/30/2018 07:39	WG1091310
Bromobenzene	U		0.000316	0.00111	1	03/30/2018 07:39	WG1091310
Bromodichloromethane	U		0.000282	0.00111	1	03/30/2018 07:39	WG1091310
Bromochloromethane	U		0.000434	0.00556	1	03/30/2018 07:39	WG1091310
Bromoform	U		0.000471	0.00111	1	03/30/2018 07:39	WG1091310
Bromomethane	U		0.00149	0.00556	1	03/30/2018 07:39	WG1091310
n-Butylbenzene	U		0.000287	0.00111	1	03/30/2018 07:39	WG1091310
sec-Butylbenzene	U		0.000223	0.00111	1	03/30/2018 07:39	WG1091310
tert-Butylbenzene	U		0.000229	0.00111	1	03/30/2018 07:39	WG1091310
Carbon disulfide	0.00125	J	0.000246	0.00111	1	03/30/2018 07:39	WG1091310
Carbon tetrachloride	U	UJ	0.000365	0.00111	1	03/30/2018 07:39	WG1091310
Chlorobenzene	U		0.000236	0.00111	1	03/30/2018 07:39	WG1091310
Chlorodibromomethane	U		0.000415	0.00111	1	03/30/2018 07:39	WG1091310
Chloroethane	U		0.00105	0.00556	1	03/30/2018 07:39	WG1091310
Chloroform	U		0.000255	0.00556	1	03/30/2018 07:39	WG1091310
Chloromethane	U		0.000417	0.00278	1	03/30/2018 07:39	WG1091310
2-Chlorotoluene	U		0.000335	0.00111	1	03/30/2018 07:39	WG1091310
4-Chlorotoluene	U		0.000267	0.00111	1	03/30/2018 07:39	WG1091310
1,2-Dibromo-3-Chloropropane	U		0.00117	0.00556	1	03/30/2018 07:39	WG1091310
1,2-Dibromoethane	U		0.000381	0.00111	1	03/30/2018 07:39	WG1091310
Dibromomethane	U		0.000425	0.00111	1	03/30/2018 07:39	WG1091310
1,2-Dichlorobenzene	U		0.000339	0.00111	1	03/30/2018 07:39	WG1091310
1,3-Dichlorobenzene	U		0.000266	0.00111	1	03/30/2018 07:39	WG1091310
1,4-Dichlorobenzene	U		0.000251	0.00111	1	03/30/2018 07:39	WG1091310
Dichlorodifluoromethane	U		0.000793	0.00556	1	03/30/2018 07:39	WG1091310
1,1-Dichloroethane	U		0.000221	0.00111	1	03/30/2018 07:39	WG1091310
1,2-Dichloroethane	U		0.000295	0.00111	1	03/30/2018 07:39	WG1091310
1,1-Dichloroethene	0.0131	~~J~~	0.000337	0.00111	1	03/30/2018 07:39	WG1091310
cis-1,2-Dichloroethene	4.82	~~J~~	0.0654	0.278	250	04/02/2018 14:07	WG1091310
trans-1,2-Dichloroethene	0.000435 J	J	0.000294	0.00111	1	03/30/2018 07:39	WG1091310
1,2-Dichloropropane	U	UJ	0.000398	0.00111	1	03/30/2018 07:39	WG1091310
1,1-Dichloropropene	U		0.000352	0.00111	1	03/30/2018 07:39	WG1091310
1,3-Dichloropropane	U		0.000230	0.00111	1	03/30/2018 07:39	WG1091310
cis-1,3-Dichloropropene	U		0.000291	0.00111	1	03/30/2018 07:39	WG1091310
trans-1,3-Dichloropropene	U		0.000297	0.00111	1	03/30/2018 07:39	WG1091310
trans-1,4-Dichloro-2-butene	U		0.000865	0.00278	1	03/30/2018 07:39	WG1091310
2,2-Dichloropropane	U		0.000310	0.00111	1	03/30/2018 07:39	WG1091310
Di-isopropyl ether	U		0.000276	0.00111	1	03/30/2018 07:39	WG1091310
Ethylbenzene	U		0.000330	0.00111	1	03/30/2018 07:39	WG1091310
Hexachloro-1,3-butadiene	U		0.000380	0.00111	1	03/30/2018 07:39	WG1091310
2-Hexanone	U		0.00152	0.0111	1	03/30/2018 07:39	WG1091310
n-Hexane	U		0.000322	0.0111	1	03/30/2018 07:39	WG1091310
Iodomethane	U		0.00281	0.0111	1	03/30/2018 07:39	WG1091310
Isopropylbenzene	U		0.000270	0.00111	1	03/30/2018 07:39	WG1091310
p-Isopropyltoluene	U		0.000227	0.00111	1	03/30/2018 07:39	WG1091310
2-Butanone (MEK)	U		0.00520	0.0111	1	03/30/2018 07:39	WG1091310
Methylene Chloride	U		0.00111	0.00556	1	03/30/2018 07:39	WG1091310
4-Methyl-2-pentanone (MIBK)	U		0.00209	0.0111	1	03/30/2018 07:39	WG1091310

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Collected date/time: 03/20/18 15:21

SAMPLE RESULTS - 13
L980722

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier		MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		UJ	0.000236	0.00111	1	03/30/2018 07:39	WG1091310
Naphthalene	U		↓	0.00111	0.00556	1	03/30/2018 07:39	WG1091310
n-Propylbenzene	U		↓	0.000229	0.00111	1	03/30/2018 07:39	WG1091310
Styrene	U		↓	0.000260	0.00111	1	03/30/2018 07:39	WG1091310
1,1,1,2-Tetrachloroethane	U		↓	0.000294	0.00111	1	03/30/2018 07:39	WG1091310
1,1,2,2-Tetrachloroethane	U		↓	0.000406	0.00111	1	03/30/2018 07:39	WG1091310
1,1,2-Trichlorotrifluoroethane	U		↓	0.000406	0.00111	1	03/30/2018 07:39	WG1091310
Tetrachloroethene	1.78		J	0.00767	0.0278	25	04/01/2018 20:40	WG1091310
Toluene	U		UJ	0.000483	0.00556	1	03/30/2018 07:39	WG1091310
1,2,3-Trichlorobenzene	U		↓	0.000340	0.00111	1	03/30/2018 07:39	WG1091310
1,2,4-Trichlorobenzene	U		↓	0.000431	0.00111	1	03/30/2018 07:39	WG1091310
1,1,1-Trichloroethane	U		↓	0.000318	0.00111	1	03/30/2018 07:39	WG1091310
1,1,2-Trichloroethane	U		↓	0.000308	0.00111	1	03/30/2018 07:39	WG1091310
Trichloroethene	0.00183		J	0.000310	0.00111	1	03/30/2018 07:39	WG1091310
Trichlorofluoromethane	U		UJ	0.000425	0.00556	1	03/30/2018 07:39	WG1091310
1,2,3-Trichloropropane	U		↓	0.000824	0.00278	1	03/30/2018 07:39	WG1091310
1,2,4-Trimethylbenzene	U		↓	0.000235	0.00111	1	03/30/2018 07:39	WG1091310
1,2,3-Trimethylbenzene	U		↓	0.000319	0.00111	1	03/30/2018 07:39	WG1091310
1,3,5-Trimethylbenzene	U		↓	0.000296	0.00111	1	03/30/2018 07:39	WG1091310
Vinyl acetate	U		↓	0.00266	0.0111	1	03/30/2018 07:39	WG1091310
Vinyl chloride	0.0639		J	0.00809	0.0278	25	04/01/2018 20:40	WG1091310
Xylenes, Total	U		UJ	0.000776	0.00334	1	03/30/2018 07:39	WG1091310
(S) Toluene-d8	*78.0*	J2			*80.0-120*		*04/01/2018 20:40*	WG1091310
(S) Toluene-d8	*106*				*80.0-120*		*04/02/2018 14:07*	WG1091310
(S) Toluene-d8	*99.8*				*80.0-120*		*03/30/2018 07:39*	WG1091310
(S) Dibromofluoromethane	*106*				*74.0-131*		*04/02/2018 14:07*	WG1091310
(S) Dibromofluoromethane	*107*				*74.0-131*		*03/30/2018 07:39*	WG1091310
(S) Dibromofluoromethane	*95.8*				*74.0-131*		*04/01/2018 20:40*	WG1091310
(S) 4-Bromofluorobenzene	*105*				*64.0-132*		*03/30/2018 07:39*	WG1091310
(S) 4-Bromofluorobenzene	*99.3*				*64.0-132*		*04/01/2018 20:40*	WG1091310
(S) 4-Bromofluorobenzene	*101*				*64.0-132*		*04/02/2018 14:07*	WG1091310

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Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	78.4		1	03/30/2018 16:43	WG1091660

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg		Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.0257	J	J	0.0128	0.0638	1	03/30/2018 08:00	WG1091310
Acrylonitrile	U	UJ		0.00228	0.0128	1	03/30/2018 08:00	WG1091310
Benzene	U			0.000344	0.00128	1	03/30/2018 08:00	WG1091310
Bromobenzene	U			0.000362	0.00128	1	03/30/2018 08:00	WG1091310
Bromodichloromethane	U			0.000324	0.00128	1	03/30/2018 08:00	WG1091310
Bromochloromethane	U			0.000497	0.00638	1	03/30/2018 08:00	WG1091310
Bromoform	U			0.000541	0.00128	1	03/30/2018 08:00	WG1091310
Bromomethane	U			0.00171	0.00638	1	03/30/2018 08:00	WG1091310
n-Butylbenzene	U			0.000329	0.00128	1	03/30/2018 08:00	WG1091310
sec-Butylbenzene	U			0.000256	0.00128	1	03/30/2018 08:00	WG1091310
tert-Butylbenzene	U			0.000263	0.00128	1	03/30/2018 08:00	WG1091310
Carbon disulfide	0.00187	J		0.000282	0.00128	1	03/30/2018 08:00	WG1091310
Carbon tetrachloride	U	UJ		0.000418	0.00128	1	03/30/2018 08:00	WG1091310
Chlorobenzene	U			0.000270	0.00128	1	03/30/2018 08:00	WG1091310
Chlorodibromomethane	U			0.000476	0.00128	1	03/30/2018 08:00	WG1091310
Chloroethane	U			0.00121	0.00638	1	03/30/2018 08:00	WG1091310
Chloroform	U			0.000292	0.00638	1	03/30/2018 08:00	WG1091310
Chloromethane	U			0.000478	0.00319	1	03/30/2018 08:00	WG1091310
2-Chlorotoluene	U			0.000384	0.00128	1	03/30/2018 08:00	WG1091310
4-Chlorotoluene	U			0.000306	0.00128	1	03/30/2018 08:00	WG1091310
1,2-Dibromo-3-Chloropropane	U			0.00134	0.00638	1	03/30/2018 08:00	WG1091310
1,2-Dibromoethane	U			0.000438	0.00128	1	03/30/2018 08:00	WG1091310
Dibromomethane	U			0.000487	0.00128	1	03/30/2018 08:00	WG1091310
1,2-Dichlorobenzene	U			0.000389	0.00128	1	03/30/2018 08:00	WG1091310
1,3-Dichlorobenzene	U			0.000305	0.00128	1	03/30/2018 08:00	WG1091310
1,4-Dichlorobenzene	U			0.000288	0.00128	1	03/30/2018 08:00	WG1091310
Dichlorodifluoromethane	U			0.000909	0.00638	1	03/30/2018 08:00	WG1091310
1,1-Dichloroethane	U			0.000254	0.00128	1	03/30/2018 08:00	WG1091310
1,2-Dichloroethane	U			0.000338	0.00128	1	03/30/2018 08:00	WG1091310
1,1-Dichloroethene	0.0321	J		0.000387	0.00128	1	03/30/2018 08:00	WG1091310
cis-1,2-Dichloroethene	4.07			0.0151	0.0638	50	04/01/2018 21:01	WG1091310
trans-1,2-Dichloroethene	0.00185			0.000337	0.00128	1	03/30/2018 08:00	WG1091310
1,2-Dichloropropane	U	UJ		0.000457	0.00128	1	03/30/2018 08:00	WG1091310
1,1-Dichloropropene	U			0.000404	0.00128	1	03/30/2018 08:00	WG1091310
1,3-Dichloropropane	U			0.000264	0.00128	1	03/30/2018 08:00	WG1091310
cis-1,3-Dichloropropene	U			0.000334	0.00128	1	03/30/2018 08:00	WG1091310
trans-1,3-Dichloropropene	U			0.000341	0.00128	1	03/30/2018 08:00	WG1091310
trans-1,4-Dichloro-2-butene	U			0.000992	0.00319	1	03/30/2018 08:00	WG1091310
2,2-Dichloropropane	U			0.000356	0.00128	1	03/30/2018 08:00	WG1091310
Di-isopropyl ether	U			0.000316	0.00128	1	03/30/2018 08:00	WG1091310
Ethylbenzene	U			0.000379	0.00128	1	03/30/2018 08:00	WG1091310
Hexachloro-1,3-butadiene	U			0.000436	0.00128	1	03/30/2018 08:00	WG1091310
2-Hexanone	U			0.00175	0.0128	1	03/30/2018 08:00	WG1091310
n-Hexane	U			0.000370	0.0128	1	03/30/2018 08:00	WG1091310
Iodomethane	U			0.00323	0.0128	1	03/30/2018 08:00	WG1091310
Isopropylbenzene	U			0.000310	0.00128	1	03/30/2018 08:00	WG1091310
p-Isopropyltoluene	U			0.000260	0.00128	1	03/30/2018 08:00	WG1091310
2-Butanone (MEK)	U			0.00597	0.0128	1	03/30/2018 08:00	WG1091310
Methylene Chloride	U			0.00128	0.00638	1	03/30/2018 08:00	WG1091310
4-Methyl-2-pentanone (MIBK)	U			0.00240	0.0128	1	03/30/2018 08:00	WG1091310

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IW-46B-70

Collected date/time: 03/20/18 15:35

SAMPLE RESULTS - 14

L980722

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U	UJ	0.000270	0.00128	1	03/30/2018 08:00	WG1091310
Naphthalene	U	↓	0.00128	0.00638	1	03/30/2018 08:00	WG1091310
n-Propylbenzene	U	↓	0.000263	0.00128	1	03/30/2018 08:00	WG1091310
Styrene	U	↓	0.000298	0.00128	1	03/30/2018 08:00	WG1091310
1,1,1,2-Tetrachloroethane	U	↓	0.000337	0.00128	1	03/30/2018 08:00	WG1091310
1,1,2,2-Tetrachloroethane	U	↓	0.000466	0.00128	1	03/30/2018 08:00	WG1091310
1,1,2-Trichlorotrifluoroethane	U	↓	0.000466	0.00128	1	03/30/2018 08:00	WG1091310
Tetrachloroethene	2.79	J	0.0176	0.0638	50	04/01/2018 21:01	WG1091310
Toluene	U	UJ	0.000554	0.00638	1	03/30/2018 08:00	WG1091310
1,2,3-Trichlorobenzene	U	↓	0.000390	0.00128	1	03/30/2018 08:00	WG1091310
1,2,4-Trichlorobenzene	U	↓	0.000495	0.00128	1	03/30/2018 08:00	WG1091310
1,1,1-Trichloroethane	U	↓	0.000365	0.00128	1	03/30/2018 08:00	WG1091310
1,1,2-Trichloroethane	U	↓	0.000353	0.00128	1	03/30/2018 08:00	WG1091310
Trichloroethene	0.0366	J	0.000356	0.00128	1	03/30/2018 08:00	WG1091310
Trichlorofluoromethane	U	↓	0.000487	0.00638	1	03/30/2018 08:00	WG1091310
1,2,3-Trichloropropane	U	↓	0.000945	0.00319	1	03/30/2018 08:00	WG1091310
1,2,4-Trimethylbenzene	U	↓	0.000269	0.00128	1	03/30/2018 08:00	WG1091310
1,2,3-Trimethylbenzene	U	↓	0.000366	0.00128	1	03/30/2018 08:00	WG1091310
1,3,5-Trimethylbenzene	U	↓	0.000339	0.00128	1	03/30/2018 08:00	WG1091310
Vinyl acetate	U	↓	0.00305	0.0128	1	03/30/2018 08:00	WG1091310
Vinyl chloride	0.0252	J	0.000371	0.00128	1	03/30/2018 08:00	WG1091310
Xylenes, Total	U	UJ	0.000890	0.00383	1	03/30/2018 08:00	WG1091310
(S) Toluene-d8	*90.2*			*80.0-120*		*04/01/2018 21:01*	WG1091310
(S) Toluene-d8	*99.5*			*80.0-120*		*03/30/2018 08:00*	WG1091310
(S) Dibromofluoromethane	*107*			*74.0-131*		*03/30/2018 08:00*	WG1091310
(S) Dibromofluoromethane	*96.8*			*74.0-131*		*04/01/2018 21:01*	WG1091310
(S) 4-Bromofluorobenzene	*105*			*64.0-132*		*03/30/2018 08:00*	WG1091310
(S) 4-Bromofluorobenzene	*100*			*64.0-132*		*04/01/2018 21:01*	WG1091310

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IW-46B-42
Collected date/time: 03/20/18 14:41

SAMPLE RESULTS - 15
L980722

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	83.2		1	03/30/2018 16:43	WG1091660

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.0256	J J	0.0120	0.0601	1	03/30/2018 08:21	WG1091310
Acrylonitrile	U	UJ	0.00215	0.0120	1	03/30/2018 08:21	WG1091310
Benzene	0.000384	J J	0.000325	0.00120	1	03/30/2018 08:21	WG1091310
Bromobenzene	U	UJ	0.000341	0.00120	1	03/30/2018 08:21	WG1091310
Bromodichloromethane	U		0.000305	0.00120	1	03/30/2018 08:21	WG1091310
Bromochloromethane	U		0.000469	0.00601	1	03/30/2018 08:21	WG1091310
Bromoform	U		0.000510	0.00120	1	03/30/2018 08:21	WG1091310
Bromomethane	U		0.00161	0.00601	1	03/30/2018 08:21	WG1091310
n-Butylbenzene	U		0.000310	0.00120	1	03/30/2018 08:21	WG1091310
sec-Butylbenzene	U		0.000242	0.00120	1	03/30/2018 08:21	WG1091310
tert-Butylbenzene	U		0.000248	0.00120	1	03/30/2018 08:21	WG1091310
Carbon disulfide	0.00580	J	0.000266	0.00120	1	03/30/2018 08:21	WG1091310
Carbon tetrachloride	U	UJ	0.000394	0.00120	1	03/30/2018 08:21	WG1091310
Chlorobenzene	U		0.000255	0.00120	1	03/30/2018 08:21	WG1091310
Chlorodibromomethane	U		0.000449	0.00120	1	03/30/2018 08:21	WG1091310
Chloroethane	U		0.00114	0.00601	1	03/30/2018 08:21	WG1091310
Chloroform	0.000660	J J	0.000275	0.00601	1	03/30/2018 08:21	WG1091310
Chloromethane	U	UJ	0.000451	0.00301	1	03/30/2018 08:21	WG1091310
2-Chlorotoluene	U		0.000362	0.00120	1	03/30/2018 08:21	WG1091310
4-Chlorotoluene	U		0.000289	0.00120	1	03/30/2018 08:21	WG1091310
1,2-Dibromo-3-Chloropropane	U		0.00126	0.00601	1	03/30/2018 08:21	WG1091310
1,2-Dibromoethane	U		0.000412	0.00120	1	03/30/2018 08:21	WG1091310
Dibromomethane	U		0.000459	0.00120	1	03/30/2018 08:21	WG1091310
1,2-Dichlorobenzene	U		0.000367	0.00120	1	03/30/2018 08:21	WG1091310
1,3-Dichlorobenzene	U		0.000287	0.00120	1	03/30/2018 08:21	WG1091310
1,4-Dichlorobenzene	U		0.000272	0.00120	1	03/30/2018 08:21	WG1091310
Dichlorodifluoromethane	U		0.000857	0.00601	1	03/30/2018 08:21	WG1091310
1,1-Dichloroethane	U		0.000239	0.00120	1	03/30/2018 08:21	WG1091310
1,2-Dichloroethane	U		0.000319	0.00120	1	03/30/2018 08:21	WG1091310
1,1-Dichloroethene	0.00819	J	0.000364	0.00120	1	03/30/2018 08:21	WG1091310
cis-1,2-Dichloroethene	4.91	J	0.283	1.20	1000	04/01/2018 21:22	WG1091310
trans-1,2-Dichloroethene	0.00269	J	0.000317	0.00120	1	03/30/2018 08:21	WG1091310
1,2-Dichloropropane	U	UJ	0.000430	0.00120	1	03/30/2018 08:21	WG1091310
1,1-Dichloropropene	U		0.000381	0.00120	1	03/30/2018 08:21	WG1091310
1,3-Dichloropropane	U		0.000249	0.00120	1	03/30/2018 08:21	WG1091310
cis-1,3-Dichloropropene	U		0.000315	0.00120	1	03/30/2018 08:21	WG1091310
trans-1,3-Dichloropropene	U		0.000321	0.00120	1	03/30/2018 08:21	WG1091310
trans-1,4-Dichloro-2-butene	U		0.000935	0.00301	1	03/30/2018 08:21	WG1091310
2,2-Dichloropropane	U		0.000335	0.00120	1	03/30/2018 08:21	WG1091310
Di-isopropyl ether	U		0.000298	0.00120	1	03/30/2018 08:21	WG1091310
Ethylbenzene	U		0.000357	0.00120	1	03/30/2018 08:21	WG1091310
Hexachloro-1,3-butadiene	U		0.000411	0.00120	1	03/30/2018 08:21	WG1091310
2-Hexanone	U		0.00165	0.0120	1	03/30/2018 08:21	WG1091310
n-Hexane	0.00177	J J	0.000349	0.0120	1	03/30/2018 08:21	WG1091310
Iodomethane	U	UJ	0.00304	0.0120	1	03/30/2018 08:21	WG1091310
Isopropylbenzene	U		0.000292	0.00120	1	03/30/2018 08:21	WG1091310
p-Isopropyltoluene	U		0.000245	0.00120	1	03/30/2018 08:21	WG1091310
2-Butanone (MEK)	U		0.00563	0.0120	1	03/30/2018 08:21	WG1091310
Methylene Chloride	U		0.00120	0.00601	1	03/30/2018 08:21	WG1091310
4-Methyl-2-pentanone (MIBK)	U		0.00226	0.0120	1	03/30/2018 08:21	WG1091310

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U	UJ	0.000255	0.00120	1	03/30/2018 08:21	WG1091310
Naphthalene	U	↓	0.00120	0.00601	1	03/30/2018 08:21	WG1091310
n-Propylbenzene	U	↓	0.000248	0.00120	1	03/30/2018 08:21	WG1091310
Styrene	U	↓	0.000281	0.00120	1	03/30/2018 08:21	WG1091310
1,1,1,2-Tetrachloroethane	U	↓	0.000317	0.00120	1	03/30/2018 08:21	WG1091310
1,1,2,2-Tetrachloroethane	U	↓	0.000439	0.00120	1	03/30/2018 08:21	WG1091310
1,1,2-Trichlorotrifluoroethane	U	↓	0.000439	0.00120	1	03/30/2018 08:21	WG1091310
Tetrachloroethene	145	↓	0.332	1.20	1000	04/01/2018 21:22	WG1091310
Toluene	0.00189	J J	0.000522	0.00601	1	03/30/2018 08:21	WG1091310
1,2,3-Trichlorobenzene	U	UJ	0.000368	0.00120	1	03/30/2018 08:21	WG1091310
1,2,4-Trichlorobenzene	U	↓	0.000467	0.00120	1	03/30/2018 08:21	WG1091310
1,1,1-Trichloroethane	U	↓	0.000344	0.00120	1	03/30/2018 08:21	WG1091310
1,1,2-Trichloroethane	U	↓	0.000333	0.00120	1	03/30/2018 08:21	WG1091310
Trichloroethene	1.31	J4 J	0.335	1.20	1000	04/01/2018 21:22	WG1091310
Trichlorofluoromethane	U	UJ	0.000459	0.00601	1	03/30/2018 08:21	WG1091310
1,2,3-Trichloropropane	U	↓	0.000891	0.00301	1	03/30/2018 08:21	WG1091310
1,2,4-Trimethylbenzene	0.00136	J	0.000254	0.00120	1	03/30/2018 08:21	WG1091310
1,2,3-Trimethylbenzene	0.000541	J J	0.000345	0.00120	1	03/30/2018 08:21	WG1091310
1,3,5-Trimethylbenzene	0.000545	J J	0.000320	0.00120	1	03/30/2018 08:21	WG1091310
Vinyl acetate	U	UJ	0.00287	0.0120	1	03/30/2018 08:21	WG1091310
Vinyl chloride	0.356	J J	0.350	1.20	1000	04/01/2018 21:22	WG1091310
Xylenes, Total	0.00187	J J	0.000839	0.00361	1	03/30/2018 08:21	WG1091310
(S) Toluene-d8	*104*			*80.0-120*		*04/01/2018 21:22*	WG1091310
(S) Toluene-d8	*172*	J1		*80.0-120*		*03/30/2018 08:21*	WG1091310
(S) Dibromofluoromethane	*103*			*74.0-131*		*03/30/2018 08:21*	WG1091310
(S) Dibromofluoromethane	*101*			*74.0-131*		*04/01/2018 21:22*	WG1091310
(S) 4-Bromofluorobenzene	*100*			*64.0-132*		*04/01/2018 21:22*	WG1091310
(S) 4-Bromofluorobenzene	*120*			*64.0-132*		*03/30/2018 08:21*	WG1091310

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

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Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	78.2		1	03/30/2018 16:43	WG1091660

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg		Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.0178	J	J	0.0128	0.0639	1	04/01/2018 16:05	WG1091540
Acrylonitrile	U	UJ		0.00229	0.0128	1	04/01/2018 16:05	WG1091540
Benzene	U			0.000345	0.00128	1	04/01/2018 16:05	WG1091540
Bromobenzene	U			0.000363	0.00128	1	04/01/2018 16:05	WG1091540
Bromodichloromethane	U			0.000325	0.00128	1	04/01/2018 16:05	WG1091540
Bromochloromethane	U			0.000499	0.00639	1	04/01/2018 16:05	WG1091540
Bromoform	U			0.000542	0.00128	1	04/01/2018 16:05	WG1091540
Bromomethane	U			0.00171	0.00639	1	04/01/2018 16:05	WG1091540
n-Butylbenzene	U			0.000330	0.00128	1	04/01/2018 16:05	WG1091540
sec-Butylbenzene	U			0.000257	0.00128	1	04/01/2018 16:05	WG1091540
tert-Butylbenzene	U			0.000263	0.00128	1	04/01/2018 16:05	WG1091540
Carbon disulfide	0.000623	J	J	0.000283	0.00128	1	04/01/2018 16:05	WG1091540
Carbon tetrachloride	U	UJ		0.000419	0.00128	1	04/01/2018 16:05	WG1091540
Chlorobenzene	U			0.000271	0.00128	1	04/01/2018 16:05	WG1091540
Chlorodibromomethane	U			0.000477	0.00128	1	04/01/2018 16:05	WG1091540
Chloroethane	U			0.00121	0.00639	1	04/01/2018 16:05	WG1091540
Chloroform	U			0.000293	0.00639	1	04/01/2018 16:05	WG1091540
Chloromethane	U			0.000480	0.00320	1	04/01/2018 16:05	WG1091540
2-Chlorotoluene	U			0.000385	0.00128	1	04/01/2018 16:05	WG1091540
4-Chlorotoluene	U			0.000307	0.00128	1	04/01/2018 16:05	WG1091540
1,2-Dibromo-3-Chloropropane	U			0.00134	0.00639	1	04/01/2018 16:05	WG1091540
1,2-Dibromoethane	U			0.000439	0.00128	1	04/01/2018 16:05	WG1091540
Dibromomethane	U			0.000489	0.00128	1	04/01/2018 16:05	WG1091540
1,2-Dichlorobenzene	U			0.000390	0.00128	1	04/01/2018 16:05	WG1091540
1,3-Dichlorobenzene	U			0.000306	0.00128	1	04/01/2018 16:05	WG1091540
1,4-Dichlorobenzene	U			0.000289	0.00128	1	04/01/2018 16:05	WG1091540
Dichlorodifluoromethane	U			0.000912	0.00639	1	04/01/2018 16:05	WG1091540
1,1-Dichloroethane	U			0.000254	0.00128	1	04/01/2018 16:05	WG1091540
1,2-Dichloroethane	U			0.000339	0.00128	1	04/01/2018 16:05	WG1091540
1,1-Dichloroethene	0.000679	J	J	0.000387	0.00128	1	04/01/2018 16:05	WG1091540
cis-1,2-Dichloroethene	0.00147	#J		0.000301	0.00128	1	04/01/2018 16:05	WG1091540
trans-1,2-Dichloroethene	U	UJ		0.000338	0.00128	1	04/01/2018 16:05	WG1091540
1,2-Dichloropropane	U			0.000458	0.00128	1	04/01/2018 16:05	WG1091540
1,1-Dichloropropene	U			0.000405	0.00128	1	04/01/2018 16:05	WG1091540
1,3-Dichloropropane	U			0.000265	0.00128	1	04/01/2018 16:05	WG1091540
cis-1,3-Dichloropropene	U			0.000335	0.00128	1	04/01/2018 16:05	WG1091540
trans-1,3-Dichloropropene	U			0.000341	0.00128	1	04/01/2018 16:05	WG1091540
trans-1,4-Dichloro-2-butene	U			0.000995	0.00320	1	04/01/2018 16:05	WG1091540
2,2-Dichloropropane	U			0.000357	0.00128	1	04/01/2018 16:05	WG1091540
Di-isopropyl ether	U			0.000317	0.00128	1	04/01/2018 16:05	WG1091540
Ethylbenzene	U			0.000380	0.00128	1	04/01/2018 16:05	WG1091540
Hexachloro-1,3-butadiene	U			0.000437	0.00128	1	04/01/2018 16:05	WG1091540
2-Hexanone	U			0.00175	0.0128	1	04/01/2018 16:05	WG1091540
n-Hexane	U			0.000371	0.0128	1	04/01/2018 16:05	WG1091540
Iodomethane	U			0.00324	0.0128	1	04/01/2018 16:05	WG1091540
Isopropylbenzene	U			0.000311	0.00128	1	04/01/2018 16:05	WG1091540
p-Isopropyltoluene	U			0.000261	0.00128	1	04/01/2018 16:05	WG1091540
2-Butanone (MEK)	U			0.00599	0.0128	1	04/01/2018 16:05	WG1091540
Methylene Chloride	U			0.00128	0.00639	1	04/01/2018 16:05	WG1091540
4-Methyl-2-pentanone (MIBK)	U			0.00240	0.0128	1	04/01/2018 16:05	WG1091540

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U	UJ	0.000271	0.00128	1	04/01/2018 16:05	WG1091540
Naphthalene	U	↓	0.00128	0.00639	1	04/01/2018 16:05	WG1091540
n-Propylbenzene	U	↓	0.000263	0.00128	1	04/01/2018 16:05	WG1091540
Styrene	U	↓	0.000299	0.00128	1	04/01/2018 16:05	WG1091540
1,1,1,2-Tetrachloroethane	U	↓	0.000338	0.00128	1	04/01/2018 16:05	WG1091540
1,1,2,2-Tetrachloroethane	U	↓	0.000467	0.00128	1	04/01/2018 16:05	WG1091540
1,1,2-Trichlorotrifluoroethane	U	J4	0.000467	0.00128	1	04/01/2018 16:05	WG1091540
Tetrachloroethene	0.0143	J	0.000353	0.00128	1	04/01/2018 16:05	WG1091540
Toluene	U	UJ	0.000555	0.00639	1	04/01/2018 16:05	WG1091540
1,2,3-Trichlorobenzene	U	↓	0.000391	0.00128	1	04/01/2018 16:05	WG1091540
1,2,4-Trichlorobenzene	U	↓	0.000496	0.00128	1	04/01/2018 16:05	WG1091540
1,1,1-Trichloroethane	U	↓	0.000366	0.00128	1	04/01/2018 16:05	WG1091540
1,1,2-Trichloroethane	U	↓	0.000354	0.00128	1	04/01/2018 16:05	WG1091540
Trichloroethene	0.00219	J	0.000357	0.00128	1	04/01/2018 16:05	WG1091540
Trichlorofluoromethane	U	J4 UJ	0.000489	0.00639	1	04/01/2018 16:05	WG1091540
1,2,3-Trichloropropane	U	↓	0.000948	0.00320	1	04/01/2018 16:05	WG1091540
1,2,4-Trimethylbenzene	U	↓	0.000270	0.00128	1	04/01/2018 16:05	WG1091540
1,2,3-Trimethylbenzene	U	↓	0.000367	0.00128	1	04/01/2018 16:05	WG1091540
1,3,5-Trimethylbenzene	U	↓	0.000340	0.00128	1	04/01/2018 16:05	WG1091540
Vinyl acetate	U	J4 ↓	0.00306	0.0128	1	04/01/2018 16:05	WG1091540
Vinyl chloride	0.000756	J J	0.000372	0.00128	1	04/01/2018 16:05	WG1091540
Xylenes, Total	U	UJ	0.000893	0.00384	1	04/01/2018 16:05	WG1091540
(S) Toluene-d8	*100*			*80.0-120*		*04/01/2018 16:05*	WG1091540
(S) Dibromofluoromethane	*106*			*74.0-131*		*04/01/2018 16:05*	WG1091540
(S) 4-Bromofluorobenzene	*103*			*64.0-132*		*04/01/2018 16:05*	WG1091540

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Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	84.8		1	03/30/2018 14:41	WG1091662

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg		Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.0309	J	J J0	0.0118	0.0590	1	04/01/2018 18:44	WG1091540
Acrylonitrile	U	UJ		0.00211	0.0118	1	03/30/2018 19:35	WG1091540
Benzene	0.000323	J	J	0.000319	0.00118	1	03/30/2018 19:35	WG1091540
Bromobenzene	U	UJ		0.000335	0.00118	1	03/30/2018 19:35	WG1091540
Bromodichloromethane	U	UJ	J0	0.000300	0.00118	1	03/30/2018 19:35	WG1091540
Bromochloromethane	U	UJ		0.000460	0.00590	1	03/30/2018 19:35	WG1091540
Bromoform	U			0.000500	0.00118	1	03/30/2018 19:35	WG1091540
Bromomethane	U			0.00158	0.00590	1	03/30/2018 19:35	WG1091540
n-Butylbenzene	U			0.000304	0.00118	1	03/30/2018 19:35	WG1091540
sec-Butylbenzene	U			0.000237	0.00118	1	03/30/2018 19:35	WG1091540
tert-Butylbenzene	U	↓		0.000243	0.00118	1	03/30/2018 19:35	WG1091540
Carbon disulfide	0.000553	J	J	0.000261	0.00118	1	03/30/2018 19:35	WG1091540
Carbon tetrachloride	U	UJ		0.000387	0.00118	1	03/30/2018 19:35	WG1091540
Chlorobenzene	U	UJ		0.000250	0.00118	1	03/30/2018 19:35	WG1091540
Chlorodibromomethane	U	UJ	J0	0.000440	0.00118	1	03/30/2018 19:35	WG1091540
Chloroethane	U			0.00112	0.00590	1	03/30/2018 19:35	WG1091540
Chloroform	U			0.000270	0.00590	1	03/30/2018 19:35	WG1091540
Chloromethane	U			0.000442	0.00295	1	03/30/2018 19:35	WG1091540
2-Chlorotoluene	U			0.000355	0.00118	1	03/30/2018 19:35	WG1091540
4-Chlorotoluene	U	↓		0.000283	0.00118	1	03/30/2018 19:35	WG1091540
1,2-Dibromo-3-Chloropropane	U	UJ	J0	0.00124	0.00590	1	03/30/2018 19:35	WG1091540
1,2-Dibromoethane	U			0.000405	0.00118	1	03/30/2018 19:35	WG1091540
Dibromomethane	U			0.000451	0.00118	1	03/30/2018 19:35	WG1091540
1,2-Dichlorobenzene	U			0.000360	0.00118	1	03/30/2018 19:35	WG1091540
1,3-Dichlorobenzene	U			0.000282	0.00118	1	03/30/2018 19:35	WG1091540
1,4-Dichlorobenzene	U			0.000267	0.00118	1	03/30/2018 19:35	WG1091540
Dichlorodifluoromethane	U			0.000841	0.00590	1	03/30/2018 19:35	WG1091540
1,1-Dichloroethane	U			0.000235	0.00118	1	03/30/2018 19:35	WG1091540
1,2-Dichloroethane	U			0.000313	0.00118	1	03/30/2018 19:35	WG1091540
1,1-Dichloroethene	U	↓		0.000357	0.00118	1	03/30/2018 19:35	WG1091540
cis-1,2-Dichloroethene	0.000394	J	J	0.000277	0.00118	1	03/30/2018 19:35	WG1091540
trans-1,2-Dichloroethene	U	UJ		0.000311	0.00118	1	03/30/2018 19:35	WG1091540
1,2-Dichloropropane	U			0.000422	0.00118	1	03/30/2018 19:35	WG1091540
1,1-Dichloropropene	U			0.000374	0.00118	1	03/30/2018 19:35	WG1091540
1,3-Dichloropropane	U			0.000244	0.00118	1	03/30/2018 19:35	WG1091540
cis-1,3-Dichloropropene	U			0.000309	0.00118	1	03/30/2018 19:35	WG1091540
trans-1,3-Dichloropropene	U	↓		0.000315	0.00118	1	03/30/2018 19:35	WG1091540
trans-1,4-Dichloro-2-butene	U	UJ	J0	0.000918	0.00295	1	03/30/2018 19:35	WG1091540
2,2-Dichloropropane	U			0.000329	0.00118	1	03/30/2018 19:35	WG1091540
Di-isopropyl ether	U			0.000293	0.00118	1	03/30/2018 19:35	WG1091540
Ethylbenzene	U			0.000350	0.00118	1	03/30/2018 19:35	WG1091540
Hexachloro-1,3-butadiene	U	↓		0.000403	0.00118	1	03/30/2018 19:35	WG1091540
2-Hexanone	U	UJ	J0	0.00162	0.0118	1	03/30/2018 19:35	WG1091540
n-Hexane	U			0.000342	0.0118	1	03/30/2018 19:35	WG1091540
Iodomethane	U			0.00298	0.0118	1	03/30/2018 19:35	WG1091540
Isopropylbenzene	U			0.000287	0.00118	1	03/30/2018 19:35	WG1091540
p-Isopropyltoluene	U			0.000241	0.00118	1	03/30/2018 19:35	WG1091540
2-Butanone (MEK)	U			0.00552	0.0118	1	03/30/2018 19:35	WG1091540
Methylene Chloride	U			0.00118	0.00590	1	03/30/2018 19:35	WG1091540
4-Methyl-2-pentanone (MIBK)	U	↓		0.00222	0.0118	1	03/30/2018 19:35	WG1091540

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Collected date/time: 03/22/18 11:06

SAMPLE RESULTS - 17

L980722

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U	UJ	0.000250	0.00118	1	03/30/2018 19:35	WG1091540
Naphthalene	U	↓	0.00118	0.00590	1	03/30/2018 19:35	WG1091540
n-Propylbenzene	U	↓	0.000243	0.00118	1	03/30/2018 19:35	WG1091540
Styrene	U	↓	0.000276	0.00118	1	03/30/2018 19:35	WG1091540
1,1,1,2-Tetrachloroethane	U	↓	0.000311	0.00118	1	03/30/2018 19:35	WG1091540
1,1,2,2-Tetrachloroethane	U	↓	0.000431	0.00118	1	03/30/2018 19:35	WG1091540
1,1,2-Trichlorotrifluoroethane	U	↓ J4	0.000431	0.00118	1	03/30/2018 19:35	WG1091540
Tetrachloroethene	0.0518	J ~~UJ~~ J0	0.000326	0.00118	1	03/30/2018 19:35	WG1091540
Toluene	U	UJ	0.000512	0.00590	1	03/30/2018 19:35	WG1091540
1,2,3-Trichlorobenzene	U	↓	0.000361	0.00118	1	03/30/2018 19:35	WG1091540
1,2,4-Trichlorobenzene	U	↓	0.000458	0.00118	1	03/30/2018 19:35	WG1091540
1,1,1-Trichloroethane	U	↓	0.000337	0.00118	1	03/30/2018 19:35	WG1091540
1,1,2-Trichloroethane	U	UJ J0	0.000327	0.00118	1	03/30/2018 19:35	WG1091540
Trichloroethene	0.00121	J	0.000329	0.00118	1	03/30/2018 19:35	WG1091540
Trichlorofluoromethane	U	UJ J4	0.000451	0.00590	1	03/30/2018 19:35	WG1091540
1,2,3-Trichloropropane	U	↓	0.000874	0.00295	1	03/30/2018 19:35	WG1091540
1,2,4-Trimethylbenzene	U	↓	0.000249	0.00118	1	03/30/2018 19:35	WG1091540
1,2,3-Trimethylbenzene	U	↓	0.000339	0.00118	1	03/30/2018 19:35	WG1091540
1,3,5-Trimethylbenzene	U	↓	0.000314	0.00118	1	03/30/2018 19:35	WG1091540
Vinyl acetate	U	↓ J4	0.00282	0.0118	1	03/30/2018 19:35	WG1091540
Vinyl chloride	U	↓	0.000343	0.00118	1	03/30/2018 19:35	WG1091540
Xylenes, Total	U	↓	0.000823	0.00354	1	03/30/2018 19:35	WG1091540
(S) Toluene-d8	*106*			*80.0-120*		*04/01/2018 18:44*	WG1091540
(S) Toluene-d8	*99.7*			*80.0-120*		*03/30/2018 19:35*	WG1091540
(S) Dibromofluoromethane	*101*			*74.0-131*		*04/01/2018 18:44*	WG1091540
(S) Dibromofluoromethane	*119*			*74.0-131*		*03/30/2018 19:35*	WG1091540
(S) 4-Bromofluorobenzene	*107*			*64.0-132*		*03/30/2018 19:35*	WG1091540
(S) 4-Bromofluorobenzene	*89.1*			*64.0-132*		*04/01/2018 18:44*	WG1091540

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Collected date/time: 03/22/18 11:16

SAMPLE RESULTS - 18
L980722

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	85.0		1	03/30/2018 14:41	WG1091662

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U UJ	J0	0.0118	0.0588	1	03/30/2018 19:55	WG1091540
Acrylonitrile	U		0.00211	0.0118	1	03/30/2018 19:55	WG1091540
Benzene	U		0.000318	0.00118	1	03/30/2018 19:55	WG1091540
Bromobenzene	U		0.000334	0.00118	1	03/30/2018 19:55	WG1091540
Bromodichloromethane	U UJ	J0	0.000299	0.00118	1	03/30/2018 19:55	WG1091540
Bromochloromethane	U		0.000459	0.00588	1	03/30/2018 19:55	WG1091540
Bromoform	U		0.000499	0.00118	1	03/30/2018 19:55	WG1091540
Bromomethane	U		0.00158	0.00588	1	03/30/2018 19:55	WG1091540
n-Butylbenzene	U		0.000303	0.00118	1	03/30/2018 19:55	WG1091540
sec-Butylbenzene	U		0.000236	0.00118	1	03/30/2018 19:55	WG1091540
tert-Butylbenzene	U		0.000242	0.00118	1	03/30/2018 19:55	WG1091540
Carbon disulfide	U		0.000260	0.00118	1	03/30/2018 19:55	WG1091540
Carbon tetrachloride	U		0.000386	0.00118	1	03/30/2018 19:55	WG1091540
Chlorobenzene	U		0.000249	0.00118	1	03/30/2018 19:55	WG1091540
Chlorodibromomethane	U UJ	J0	0.000439	0.00118	1	03/30/2018 19:55	WG1091540
Chloroethane	U		0.00111	0.00588	1	03/30/2018 19:55	WG1091540
Chloroform	U		0.000269	0.00588	1	03/30/2018 19:55	WG1091540
Chloromethane	U		0.000441	0.00294	1	03/30/2018 19:55	WG1091540
2-Chlorotoluene	U		0.000354	0.00118	1	03/30/2018 19:55	WG1091540
4-Chlorotoluene	U		0.000282	0.00118	1	03/30/2018 19:55	WG1091540
1,2-Dibromo-3-Chloropropane	U UJ	J0	0.00124	0.00588	1	03/30/2018 19:55	WG1091540
1,2-Dibromoethane	U UJ	J0	0.000403	0.00118	1	03/30/2018 19:55	WG1091540
Dibromomethane	U		0.000449	0.00118	1	03/30/2018 19:55	WG1091540
1,2-Dichlorobenzene	U		0.000359	0.00118	1	03/30/2018 19:55	WG1091540
1,3-Dichlorobenzene	U		0.000281	0.00118	1	03/30/2018 19:55	WG1091540
1,4-Dichlorobenzene	U		0.000266	0.00118	1	03/30/2018 19:55	WG1091540
Dichlorodifluoromethane	U		0.000839	0.00588	1	03/30/2018 19:55	WG1091540
1,1-Dichloroethane	U		0.000234	0.00118	1	03/30/2018 19:55	WG1091540
1,2-Dichloroethane	U		0.000312	0.00118	1	03/30/2018 19:55	WG1091540
1,1-Dichloroethene	U		0.000356	0.00118	1	03/30/2018 19:55	WG1091540
cis-1,2-Dichloroethene	0.000623 J	J	0.000276	0.00118	1	03/30/2018 19:55	WG1091540
trans-1,2-Dichloroethene	U UJ		0.000311	0.00118	1	03/30/2018 19:55	WG1091540
1,2-Dichloropropane	U		0.000421	0.00118	1	03/30/2018 19:55	WG1091540
1,1-Dichloropropene	U		0.000373	0.00118	1	03/30/2018 19:55	WG1091540
1,3-Dichloropropane	U		0.000244	0.00118	1	03/30/2018 19:55	WG1091540
cis-1,3-Dichloropropene	U		0.000308	0.00118	1	03/30/2018 19:55	WG1091540
trans-1,3-Dichloropropene	U		0.000314	0.00118	1	03/30/2018 19:55	WG1091540
trans-1,4-Dichloro-2-butene	U UJ	J0	0.000915	0.00294	1	03/30/2018 19:55	WG1091540
2,2-Dichloropropane	U		0.000328	0.00118	1	03/30/2018 19:55	WG1091540
Di-isopropyl ether	U		0.000292	0.00118	1	03/30/2018 19:55	WG1091540
Ethylbenzene	U		0.000349	0.00118	1	03/30/2018 19:55	WG1091540
Hexachloro-1,3-butadiene	U		0.000402	0.00118	1	03/30/2018 19:55	WG1091540
2-Hexanone	U UJ	J0	0.00161	0.0118	1	03/30/2018 19:55	WG1091540
n-Hexane	U		0.000341	0.0118	1	03/30/2018 19:55	WG1091540
Iodomethane	U		0.00298	0.0118	1	03/30/2018 19:55	WG1091540
Isopropylbenzene	U		0.000286	0.00118	1	03/30/2018 19:55	WG1091540
p-Isopropyltoluene	U		0.000240	0.00118	1	03/30/2018 19:55	WG1091540
2-Butanone (MEK)	U		0.00551	0.0118	1	03/30/2018 19:55	WG1091540
Methylene Chloride	U		0.00118	0.00588	1	03/30/2018 19:55	WG1091540
4-Methyl-2-pentanone (MIBK)	U		0.00221	0.0118	1	03/30/2018 19:55	WG1091540

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SAMPLE RESULTS - 18

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg		Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U	UJ		0.000249	0.00118	1	03/30/2018 19:55	WG1091540
Naphthalene	U			0.00118	0.00588	1	03/30/2018 19:55	WG1091540
n-Propylbenzene	U			0.000242	0.00118	1	03/30/2018 19:55	WG1091540
Styrene	U			0.000275	0.00118	1	03/30/2018 19:55	WG1091540
1,1,1,2-Tetrachloroethane	U			0.000311	0.00118	1	03/30/2018 19:55	WG1091540
1,1,2,2-Tetrachloroethane	U			0.000429	0.00118	1	03/30/2018 19:55	WG1091540
1,1,2-Trichlorotrifluoroethane	U	↓	J4	0.000429	0.00118	1	03/30/2018 19:55	WG1091540
Tetrachloroethene	0.0214	UJ	J0	0.000325	0.00118	1	03/30/2018 19:55	WG1091540
Toluene	U			0.000511	0.00588	1	03/30/2018 19:55	WG1091540
1,2,3-Trichlorobenzene	U			0.000360	0.00118	1	03/30/2018 19:55	WG1091540
1,2,4-Trichlorobenzene	U			0.000456	0.00118	1	03/30/2018 19:55	WG1091540
1,1,1-Trichloroethane	U	↓		0.000336	0.00118	1	03/30/2018 19:55	WG1091540
1,1,2-Trichloroethane	U	UJ	J0	0.000326	0.00118	1	03/30/2018 19:55	WG1091540
Trichloroethene	0.000935	J	J	0.000328	0.00118	1	03/30/2018 19:55	WG1091540
Trichlorofluoromethane	U	UJ	J4	0.000449	0.00588	1	03/30/2018 19:55	WG1091540
1,2,3-Trichloropropane	U			0.000872	0.00294	1	03/30/2018 19:55	WG1091540
1,2,4-Trimethylbenzene	U			0.000248	0.00118	1	03/30/2018 19:55	WG1091540
1,2,3-Trimethylbenzene	U			0.000338	0.00118	1	03/30/2018 19:55	WG1091540
1,3,5-Trimethylbenzene	U			0.000313	0.00118	1	03/30/2018 19:55	WG1091540
Vinyl acetate	U		J4	0.00281	0.0118	1	03/30/2018 19:55	WG1091540
Vinyl chloride	U			0.000342	0.00118	1	03/30/2018 19:55	WG1091540
Xylenes, Total	U	↓		0.000821	0.00353	1	03/30/2018 19:55	WG1091540
(S) Toluene-d8	*99.4*				*80.0-120*		*03/30/2018 19:55*	WG1091540
(S) Dibromofluoromethane	*117*				*74.0-131*		*03/30/2018 19:55*	WG1091540
(S) 4-Bromofluorobenzene	*105*				*64.0-132*		*03/30/2018 19:55*	WG1091540

JK 4/14/18

IW-47B-15

Collected date/time: 03/22/18 11:21

SAMPLE RESULTS - 19

L980722

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	89.6		1	03/30/2018 14:41	WG1091662

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg		Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U	UJ	J0	0.0112	0.0558	1	03/30/2018 20:42	WG1091540
Acrylonitrile	U			0.00200	0.0112	1	03/30/2018 20:42	WG1091540
Benzene	U			0.000301	0.00112	1	03/30/2018 20:42	WG1091540
Bromobenzene	U			0.000317	0.00112	1	03/30/2018 20:42	WG1091540
Bromodichloromethane	U	UJ	J0	0.000284	0.00112	1	03/30/2018 20:42	WG1091540
Bromochloromethane	U			0.000435	0.00558	1	03/30/2018 20:42	WG1091540
Bromoform	U			0.000473	0.00112	1	03/30/2018 20:42	WG1091540
Bromomethane	U			0.00150	0.00558	1	03/30/2018 20:42	WG1091540
n-Butylbenzene	U			0.000288	0.00112	1	03/30/2018 20:42	WG1091540
sec-Butylbenzene	U			0.000224	0.00112	1	03/30/2018 20:42	WG1091540
tert-Butylbenzene	U			0.000230	0.00112	1	03/30/2018 20:42	WG1091540
Carbon disulfide	U			0.000247	0.00112	1	03/30/2018 20:42	WG1091540
Carbon tetrachloride	U			0.000366	0.00112	1	03/30/2018 20:42	WG1091540
Chlorobenzene	U			0.000237	0.00112	1	03/30/2018 20:42	WG1091540
Chlorodibromomethane	U	UJ	J0	0.000416	0.00112	1	03/30/2018 20:42	WG1091540
Chloroethane	U			0.00106	0.00558	1	03/30/2018 20:42	WG1091540
Chloroform	U			0.000256	0.00558	1	03/30/2018 20:42	WG1091540
Chloromethane	U			0.000419	0.00279	1	03/30/2018 20:42	WG1091540
2-Chlorotoluene	U			0.000336	0.00112	1	03/30/2018 20:42	WG1091540
4-Chlorotoluene	U			0.000268	0.00112	1	03/30/2018 20:42	WG1091540
1,2-Dibromo-3-Chloropropane	U	UJ	J0	0.00117	0.00558	1	03/30/2018 20:42	WG1091540
1,2-Dibromoethane	U	UJ	J0	0.000383	0.00112	1	03/30/2018 20:42	WG1091540
Dibromomethane	U			0.000427	0.00112	1	03/30/2018 20:42	WG1091540
1,2-Dichlorobenzene	U			0.000341	0.00112	1	03/30/2018 20:42	WG1091540
1,3-Dichlorobenzene	U			0.000267	0.00112	1	03/30/2018 20:42	WG1091540
1,4-Dichlorobenzene	U			0.000252	0.00112	1	03/30/2018 20:42	WG1091540
Dichlorodifluoromethane	U			0.000796	0.00558	1	03/30/2018 20:42	WG1091540
1,1-Dichloroethane	U			0.000222	0.00112	1	03/30/2018 20:42	WG1091540
1,2-Dichloroethane	U			0.000296	0.00112	1	03/30/2018 20:42	WG1091540
1,1-Dichloroethene	U			0.000338	0.00112	1	03/30/2018 20:42	WG1091540
cis-1,2-Dichloroethene	0.0413	J		0.000262	0.00112	1	03/30/2018 20:42	WG1091540
trans-1,2-Dichloroethene	U	UJ		0.000295	0.00112	1	03/30/2018 20:42	WG1091540
1,2-Dichloropropane	U			0.000400	0.00112	1	03/30/2018 20:42	WG1091540
1,1-Dichloropropene	U			0.000354	0.00112	1	03/30/2018 20:42	WG1091540
1,3-Dichloropropane	U			0.000231	0.00112	1	03/30/2018 20:42	WG1091540
cis-1,3-Dichloropropene	U			0.000293	0.00112	1	03/30/2018 20:42	WG1091540
trans-1,3-Dichloropropene	U			0.000298	0.00112	1	03/30/2018 20:42	WG1091540
trans-1,4-Dichloro-2-butene	U	UJ	J0	0.000869	0.00279	1	03/30/2018 20:42	WG1091540
2,2-Dichloropropane	U			0.000312	0.00112	1	03/30/2018 20:42	WG1091540
Di-isopropyl ether	U			0.000277	0.00112	1	03/30/2018 20:42	WG1091540
Ethylbenzene	U			0.000332	0.00112	1	03/30/2018 20:42	WG1091540
Hexachloro-1,3-butadiene	U			0.000382	0.00112	1	03/30/2018 20:42	WG1091540
2-Hexanone	U	UJ	J0	0.00153	0.0112	1	03/30/2018 20:42	WG1091540
n-Hexane	U			0.000324	0.0112	1	03/30/2018 20:42	WG1091540
Iodomethane	U			0.00282	0.0112	1	03/30/2018 20:42	WG1091540
Isopropylbenzene	U			0.000271	0.00112	1	03/30/2018 20:42	WG1091540
p-Isopropyltoluene	U			0.000228	0.00112	1	03/30/2018 20:42	WG1091540
2-Butanone (MEK)	U			0.00523	0.0112	1	03/30/2018 20:42	WG1091540
Methylene Chloride	U			0.00112	0.00558	1	03/30/2018 20:42	WG1091540
4-Methyl-2-pentanone (MIBK)	U			0.00210	0.0112	1	03/30/2018 20:42	WG1091540

JC 4/19/18

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U	UJ	0.000237	0.00112	1	03/30/2018 20:42	WG1091540
Naphthalene	U		0.00112	0.00558	1	03/30/2018 20:42	WG1091540
n-Propylbenzene	U		0.000230	0.00112	1	03/30/2018 20:42	WG1091540
Styrene	U		0.000261	0.00112	1	03/30/2018 20:42	WG1091540
1,1,1,2-Tetrachloroethane	U		0.000295	0.00112	1	03/30/2018 20:42	WG1091540
1,1,2,2-Tetrachloroethane	U		0.000408	0.00112	1	03/30/2018 20:42	WG1091540
1,1,2-Trichlorotrifluoroethane	U	J4	0.000408	0.00112	1	03/30/2018 20:42	WG1091540
Tetrachloroethene	0.00348	UJ J0	0.000308	0.00112	1	03/30/2018 20:42	WG1091540
Toluene	U		0.000485	0.00558	1	03/30/2018 20:42	WG1091540
1,2,3-Trichlorobenzene	U		0.000342	0.00112	1	03/30/2018 20:42	WG1091540
1,2,4-Trichlorobenzene	U		0.000433	0.00112	1	03/30/2018 20:42	WG1091540
1,1,1-Trichloroethane	U		0.000319	0.00112	1	03/30/2018 20:42	WG1091540
1,1,2-Trichloroethane	U	UJ J0	0.000309	0.00112	1	03/30/2018 20:42	WG1091540
Trichloroethene	U		0.000312	0.00112	1	03/30/2018 20:42	WG1091540
Trichlorofluoromethane	U	J4	0.000427	0.00558	1	03/30/2018 20:42	WG1091540
1,2,3-Trichloropropane	U		0.000827	0.00279	1	03/30/2018 20:42	WG1091540
1,2,4-Trimethylbenzene	U		0.000236	0.00112	1	03/30/2018 20:42	WG1091540
1,2,3-Trimethylbenzene	U		0.000320	0.00112	1	03/30/2018 20:42	WG1091540
1,3,5-Trimethylbenzene	U		0.000297	0.00112	1	03/30/2018 20:42	WG1091540
Vinyl acetate	U	J4	0.00267	0.0112	1	03/30/2018 20:42	WG1091540
Vinyl chloride	U		0.000325	0.00112	1	03/30/2018 20:42	WG1091540
Xylenes, Total	U		0.000779	0.00335	1	03/30/2018 20:42	WG1091540
(S) Toluene-d8	*102*			*80.0-120*		*03/30/2018 20:42*	WG1091540
(S) Dibromofluoromethane	*121*			*74.0-131*		*03/30/2018 20:42*	WG1091540
(S) 4-Bromofluorobenzene	*104*			*64.0-132*		*03/30/2018 20:42*	WG1091540

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Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	90.1		1	03/30/2018 14:41	WG1091662

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg		Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U	UJ	J0	0.0111	0.0555	1	03/30/2018 21:03	WG1091540
Acrylonitrile	U			0.00199	0.0111	1	03/30/2018 21:03	WG1091540
Benzene	U			0.000300	0.00111	1	03/30/2018 21:03	WG1091540
Bromobenzene	U			0.000315	0.00111	1	03/30/2018 21:03	WG1091540
Bromodichloromethane	U	UJ	J0	0.000282	0.00111	1	03/30/2018 21:03	WG1091540
Bromochloromethane	U			0.000433	0.00555	1	03/30/2018 21:03	WG1091540
Bromoform	U			0.000471	0.00111	1	03/30/2018 21:03	WG1091540
Bromomethane	U			0.00149	0.00555	1	03/30/2018 21:03	WG1091540
n-Butylbenzene	U			0.000286	0.00111	1	03/30/2018 21:03	WG1091540
sec-Butylbenzene	U			0.000223	0.00111	1	03/30/2018 21:03	WG1091540
tert-Butylbenzene	U			0.000229	0.00111	1	03/30/2018 21:03	WG1091540
Carbon disulfide	0.000425	J	J	0.000245	0.00111	1	03/30/2018 21:03	WG1091540
Carbon tetrachloride	U	UJ		0.000364	0.00111	1	03/30/2018 21:03	WG1091540
Chlorobenzene	U	UJ	J0	0.000235	0.00111	1	03/30/2018 21:03	WG1091540
Chlorodibromomethane	U			0.000414	0.00111	1	03/30/2018 21:03	WG1091540
Chloroethane	U			0.00105	0.00555	1	03/30/2018 21:03	WG1091540
Chloroform	U			0.000254	0.00555	1	03/30/2018 21:03	WG1091540
Chloromethane	U			0.000416	0.00278	1	03/30/2018 21:03	WG1091540
2-Chlorotoluene	U			0.000334	0.00111	1	03/30/2018 21:03	WG1091540
4-Chlorotoluene	U			0.000267	0.00111	1	03/30/2018 21:03	WG1091540
1,2-Dibromo-3-Chloropropane	U	UJ	J0	0.00117	0.00555	1	03/30/2018 21:03	WG1091540
1,2-Dibromoethane	U	UJ	J0	0.000381	0.00111	1	03/30/2018 21:03	WG1091540
Dibromomethane	U			0.000424	0.00111	1	03/30/2018 21:03	WG1091540
1,2-Dichlorobenzene	U			0.000339	0.00111	1	03/30/2018 21:03	WG1091540
1,3-Dichlorobenzene	U			0.000265	0.00111	1	03/30/2018 21:03	WG1091540
1,4-Dichlorobenzene	U			0.000251	0.00111	1	03/30/2018 21:03	WG1091540
Dichlorodifluoromethane	U			0.000792	0.00555	1	03/30/2018 21:03	WG1091540
1,1-Dichloroethane	U			0.000221	0.00111	1	03/30/2018 21:03	WG1091540
1,2-Dichloroethane	U			0.000294	0.00111	1	03/30/2018 21:03	WG1091540
1,1-Dichloroethene	U			0.000336	0.00111	1	03/30/2018 21:03	WG1091540
cis-1,2-Dichloroethene	0.00146	J		0.000261	0.00111	1	03/30/2018 21:03	WG1091540
trans-1,2-Dichloroethene	U	UJ		0.000293	0.00111	1	03/30/2018 21:03	WG1091540
1,2-Dichloropropane	U			0.000398	0.00111	1	03/30/2018 21:03	WG1091540
1,1-Dichloropropene	U			0.000352	0.00111	1	03/30/2018 21:03	WG1091540
1,3-Dichloropropane	U			0.000230	0.00111	1	03/30/2018 21:03	WG1091540
cis-1,3-Dichloropropene	U			0.000291	0.00111	1	03/30/2018 21:03	WG1091540
trans-1,3-Dichloropropene	U			0.000296	0.00111	1	03/30/2018 21:03	WG1091540
trans-1,4-Dichloro-2-butene	U	UJ	J0	0.000864	0.00278	1	03/30/2018 21:03	WG1091540
2,2-Dichloropropane	U			0.000310	0.00111	1	03/30/2018 21:03	WG1091540
Di-isopropyl ether	U			0.000275	0.00111	1	03/30/2018 21:03	WG1091540
Ethylbenzene	U			0.000330	0.00111	1	03/30/2018 21:03	WG1091540
Hexachloro-1,3-butadiene	U			0.000380	0.00111	1	03/30/2018 21:03	WG1091540
2-Hexanone	U	UJ	J0	0.00152	0.0111	1	03/30/2018 21:03	WG1091540
n-Hexane	U			0.000322	0.0111	1	03/30/2018 21:03	WG1091540
Iodomethane	U			0.00281	0.0111	1	03/30/2018 21:03	WG1091540
Isopropylbenzene	U			0.000270	0.00111	1	03/30/2018 21:03	WG1091540
p-Isopropyltoluene	U			0.000227	0.00111	1	03/30/2018 21:03	WG1091540
2-Butanone (MEK)	U			0.00520	0.0111	1	03/30/2018 21:03	WG1091540
Methylene Chloride	U			0.00111	0.00555	1	03/30/2018 21:03	WG1091540
4-Methyl-2-pentanone (MIBK)	U			0.00209	0.0111	1	03/30/2018 21:03	WG1091540

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg		Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U	UJ		0.000235	0.00111	1	03/30/2018 21:03	WG1091540
Naphthalene	U			0.00111	0.00555	1	03/30/2018 21:03	WG1091540
n-Propylbenzene	U			0.000229	0.00111	1	03/30/2018 21:03	WG1091540
Styrene	U			0.000260	0.00111	1	03/30/2018 21:03	WG1091540
1,1,1,2-Tetrachloroethane	U			0.000293	0.00111	1	03/30/2018 21:03	WG1091540
1,1,2,2-Tetrachloroethane	U			0.000405	0.00111	1	03/30/2018 21:03	WG1091540
1,1,2-Trichlorotrifluoroethane	U		J4	0.000405	0.00111	1	03/30/2018 21:03	WG1091540
Tetrachloroethene	0.0344	UJ	J0	0.000306	0.00111	1	03/30/2018 21:03	WG1091540
Toluene	U			0.000482	0.00555	1	03/30/2018 21:03	WG1091540
1,2,3-Trichlorobenzene	U			0.000340	0.00111	1	03/30/2018 21:03	WG1091540
1,2,4-Trichlorobenzene	U			0.000431	0.00111	1	03/30/2018 21:03	WG1091540
1,1,1-Trichloroethane	U			0.000318	0.00111	1	03/30/2018 21:03	WG1091540
1,1,2-Trichloroethane	U	UJ	J0	0.000308	0.00111	1	03/30/2018 21:03	WG1091540
Trichloroethene	0.00453	J		0.000310	0.00111	1	03/30/2018 21:03	WG1091540
Trichlorofluoromethane	U	UJ	J4	0.000424	0.00555	1	03/30/2018 21:03	WG1091540
1,2,3-Trichloropropane	U			0.000823	0.00278	1	03/30/2018 21:03	WG1091540
1,2,4-Trimethylbenzene	U			0.000234	0.00111	1	03/30/2018 21:03	WG1091540
1,2,3-Trimethylbenzene	U			0.000319	0.00111	1	03/30/2018 21:03	WG1091540
1,3,5-Trimethylbenzene	U			0.000295	0.00111	1	03/30/2018 21:03	WG1091540
Vinyl acetate	U		J4	0.00265	0.0111	1	03/30/2018 21:03	WG1091540
Vinyl chloride	U			0.000323	0.00111	1	03/30/2018 21:03	WG1091540
Xylenes, Total	U			0.000775	0.00333	1	03/30/2018 21:03	WG1091540
(S) Toluene-d8	*100*				*80.0-120*		*03/30/2018 21:03*	WG1091540
(S) Dibromofluoromethane	*120*				*74.0-131*		*03/30/2018 21:03*	WG1091540
(S) 4-Bromofluorobenzene	*106*				*64.0-132*		*03/30/2018 21:03*	WG1091540

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ANALYTICAL REPORT

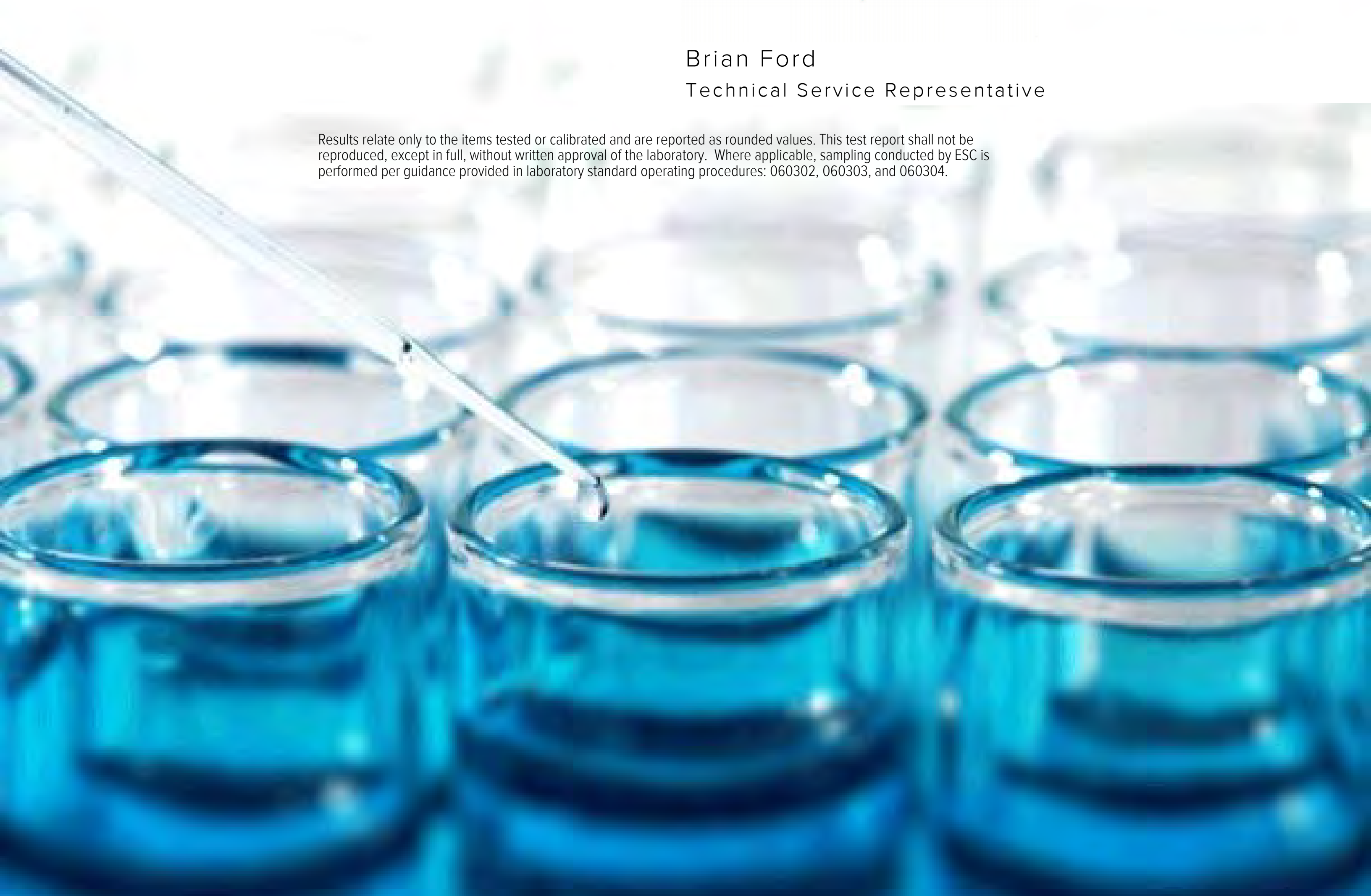
April 04, 2018

PES Environmental, Inc.- WA

Sample Delivery Group:	L980954
Samples Received:	03/28/2018
Project Number:	1413.001.05.601
Description:	
Report To:	Brian O'Neal/Bill Haldeman 1215 Fourth Ave., Suite 1350 Seattle, WA 98161

Entire Report Reviewed By: Brian Ford

Brian Ford
Technical Service Representative



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IW-51A-50 L980954-01 Solid

Collected by	Collected date/time	Received date/time
Dan Johnson	03/26/18 11:23	03/28/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1092325	1	04/02/18 08:45	04/02/18 09:01	KS
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1091812	1	03/26/18 11:23	03/31/18 03:29	ACG
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1091812	50	03/26/18 11:23	04/01/18 14:48	BMB

IW-51A-55 L980954-02 Solid

Collected by	Collected date/time	Received date/time
Dan Johnson	03/26/18 11:32	03/28/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1092325	1	04/02/18 08:45	04/02/18 09:01	KS
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1091812	1	03/26/18 11:32	03/31/18 03:50	ACG
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1091812	25	03/26/18 11:32	04/01/18 15:08	BMB

IW-51A-60 L980954-03 Solid

Collected by	Collected date/time	Received date/time
Dan Johnson	03/26/18 11:41	03/28/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1092325	1	04/02/18 08:45	04/02/18 09:01	KS
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1091812	1	03/26/18 11:41	03/31/18 04:11	ACG
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1091812	1	03/26/18 11:41	04/01/18 14:09	BMB

IW-51A-62 L980954-04 Solid

Collected by	Collected date/time	Received date/time
Dan Johnson	03/26/18 11:52	03/28/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1092325	1	04/02/18 08:45	04/02/18 09:01	KS
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1091812	1	03/26/18 11:52	03/31/18 04:32	ACG

IW-50A-5 L980954-05 Solid

Collected by	Collected date/time	Received date/time
Dan Johnson	03/27/18 10:10	03/28/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1092325	1	04/02/18 08:45	04/02/18 09:01	KS
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1091812	1	03/27/18 10:10	03/31/18 04:54	ACG

IW-50A-10 L980954-06 Solid

Collected by	Collected date/time	Received date/time
Dan Johnson	03/27/18 10:23	03/28/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1092325	1	04/02/18 08:45	04/02/18 09:01	KS
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1091812	1	03/27/18 10:23	03/31/18 05:15	ACG

IW-50A-15 L980954-07 Solid

Collected by	Collected date/time	Received date/time
Dan Johnson	03/27/18 10:37	03/28/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1092325	1	04/02/18 08:45	04/02/18 09:01	KS
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1091812	1	03/27/18 10:37	03/31/18 05:36	ACG
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1091812	25	03/27/18 10:37	04/01/18 15:28	BMB

IW-50A-20 L980954-08 Solid

Collected by	Collected date/time	Received date/time
Dan Johnson	03/27/18 10:59	03/28/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1092325	1	04/02/18 08:45	04/02/18 09:01	KS
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1091812	1	03/27/18 10:59	03/31/18 05:57	ACG
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1091812	1	03/27/18 10:59	04/01/18 14:28	BMB

IW-50A-25 L980954-09 Solid

Collected by	Collected date/time	Received date/time
Dan Johnson	03/27/18 11:07	03/28/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1092326	1	04/02/18 09:41	04/02/18 09:51	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1091812	1	03/27/18 11:07	03/31/18 06:18	ACG

IW-50A-30 L980954-10 Solid

Collected by	Collected date/time	Received date/time
Dan Johnson	03/27/18 11:14	03/28/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1092326	1	04/02/18 09:41	04/02/18 09:51	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1091812	1	03/27/18 11:14	03/31/18 06:39	ACG

IW-50A-35 L980954-11 Solid

Collected by	Collected date/time	Received date/time
Dan Johnson	03/27/18 11:22	03/28/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1092326	1	04/02/18 09:41	04/02/18 09:51	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1091812	1	03/27/18 11:22	03/31/18 07:01	ACG

IW-50A-40 L980954-12 Solid

Collected by	Collected date/time	Received date/time
Dan Johnson	03/27/18 11:44	03/28/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1092326	1	04/02/18 09:41	04/02/18 09:51	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1091812	1	03/27/18 11:44	03/31/18 07:22	ACG

IW-50A-42 L980954-13 Solid

Collected by	Collected date/time	Received date/time
Dan Johnson	03/27/18 11:52	03/28/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1092326	1	04/02/18 09:41	04/02/18 09:51	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1091812	1	03/27/18 11:52	03/31/18 07:43	ACG

IW-50A-45 L980954-14 Solid

Collected by	Collected date/time	Received date/time
Dan Johnson	03/27/18 12:04	03/28/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1092326	1	04/02/18 09:41	04/02/18 09:51	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1091812	1	03/27/18 12:04	03/31/18 08:04	ACG
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1091812	25	03/27/18 12:04	04/01/18 15:47	BMB

IW-50A-50 L980954-15 Solid

Collected by	Collected date/time	Received date/time
Dan Johnson	03/27/18 13:04	03/28/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1092326	1	04/02/18 09:41	04/02/18 09:51	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1091812	1	03/27/18 13:04	03/31/18 08:25	ACG
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1091812	25	03/27/18 13:04	04/01/18 16:07	BMB

IW-50A-55 L980954-16 Solid

Collected by	Collected date/time	Received date/time
Dan Johnson	03/27/18 13:20	03/28/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1092326	1	04/02/18 09:41	04/02/18 09:51	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1091812	1	03/27/18 13:20	03/31/18 08:46	ACG

IW-50A-60 L980954-17 Solid

Collected by	Collected date/time	Received date/time
Dan Johnson	03/27/18 13:27	03/28/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1092326	1	04/02/18 09:41	04/02/18 09:51	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1092087	1	03/27/18 13:27	03/31/18 16:43	ACG

IW-906-50 L980954-18 Solid

Collected by	Collected date/time	Received date/time
Dan Johnson	03/27/18 11:15	03/28/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1092326	1	04/02/18 09:41	04/02/18 09:51	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1092087	1	03/27/18 11:15	03/31/18 17:03	ACG

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All radiochemical sample results for solids are reported on a dry weight basis with the exception of tritium, carbon-14 and radon, unless wet weight was requested by the client. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Brian Ford

Brian Ford
Technical Service Representative

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	87.3		1	04/02/2018 09:01	WG1092325

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.0181	J	0.0115	0.0573	1	03/31/2018 03:29	WG1091812
Acrylonitrile	U		0.00205	0.0115	1	03/31/2018 03:29	WG1091812
Benzene	0.000378	J	0.000309	0.00115	1	03/31/2018 03:29	WG1091812
Bromobenzene	U		0.000325	0.00115	1	03/31/2018 03:29	WG1091812
Bromodichloromethane	U		0.000291	0.00115	1	03/31/2018 03:29	WG1091812
Bromochloromethane	U		0.000447	0.00573	1	03/31/2018 03:29	WG1091812
Bromoform	U		0.000486	0.00115	1	03/31/2018 03:29	WG1091812
Bromomethane	U		0.00154	0.00573	1	03/31/2018 03:29	WG1091812
n-Butylbenzene	U		0.000296	0.00115	1	03/31/2018 03:29	WG1091812
sec-Butylbenzene	U		0.000230	0.00115	1	03/31/2018 03:29	WG1091812
tert-Butylbenzene	U		0.000236	0.00115	1	03/31/2018 03:29	WG1091812
Carbon disulfide	0.000907	J	0.000253	0.00115	1	03/31/2018 03:29	WG1091812
Carbon tetrachloride	U		0.000376	0.00115	1	03/31/2018 03:29	WG1091812
Chlorobenzene	U		0.000243	0.00115	1	03/31/2018 03:29	WG1091812
Chlorodibromomethane	U		0.000427	0.00115	1	03/31/2018 03:29	WG1091812
Chloroethane	U		0.00108	0.00573	1	03/31/2018 03:29	WG1091812
Chloroform	U		0.000262	0.00573	1	03/31/2018 03:29	WG1091812
Chloromethane	U		0.000430	0.00286	1	03/31/2018 03:29	WG1091812
2-Chlorotoluene	U		0.000345	0.00115	1	03/31/2018 03:29	WG1091812
4-Chlorotoluene	U		0.000275	0.00115	1	03/31/2018 03:29	WG1091812
1,2-Dibromo-3-Chloropropane	U		0.00120	0.00573	1	03/31/2018 03:29	WG1091812
1,2-Dibromoethane	U		0.000393	0.00115	1	03/31/2018 03:29	WG1091812
Dibromomethane	U		0.000438	0.00115	1	03/31/2018 03:29	WG1091812
1,2-Dichlorobenzene	U		0.000349	0.00115	1	03/31/2018 03:29	WG1091812
1,3-Dichlorobenzene	U		0.000274	0.00115	1	03/31/2018 03:29	WG1091812
1,4-Dichlorobenzene	U		0.000259	0.00115	1	03/31/2018 03:29	WG1091812
Dichlorodifluoromethane	U		0.000817	0.00573	1	03/31/2018 03:29	WG1091812
1,1-Dichloroethane	U		0.000228	0.00115	1	03/31/2018 03:29	WG1091812
1,2-Dichloroethane	U		0.000304	0.00115	1	03/31/2018 03:29	WG1091812
1,1-Dichloroethene	0.00233		0.000347	0.00115	1	03/31/2018 03:29	WG1091812
cis-1,2-Dichloroethene	2.06		0.0135	0.0573	50	04/01/2018 14:48	WG1091812
trans-1,2-Dichloroethene	0.000572	J	0.000302	0.00115	1	03/31/2018 03:29	WG1091812
1,2-Dichloropropane	U		0.000410	0.00115	1	03/31/2018 03:29	WG1091812
1,1-Dichloropropene	U		0.000363	0.00115	1	03/31/2018 03:29	WG1091812
1,3-Dichloropropane	U		0.000237	0.00115	1	03/31/2018 03:29	WG1091812
cis-1,3-Dichloropropene	U		0.000300	0.00115	1	03/31/2018 03:29	WG1091812
trans-1,3-Dichloropropene	U		0.000306	0.00115	1	03/31/2018 03:29	WG1091812
trans-1,4-Dichloro-2-butene	U		0.000891	0.00286	1	03/31/2018 03:29	WG1091812
2,2-Dichloropropane	U		0.000320	0.00115	1	03/31/2018 03:29	WG1091812
Di-isopropyl ether	U		0.000284	0.00115	1	03/31/2018 03:29	WG1091812
Ethylbenzene	U		0.000340	0.00115	1	03/31/2018 03:29	WG1091812
Hexachloro-1,3-butadiene	U		0.000392	0.00115	1	03/31/2018 03:29	WG1091812
2-Hexanone	U		0.00157	0.0115	1	03/31/2018 03:29	WG1091812
n-Hexane	U		0.000332	0.0115	1	03/31/2018 03:29	WG1091812
Iodomethane	U		0.00290	0.0115	1	03/31/2018 03:29	WG1091812
Isopropylbenzene	U		0.000278	0.00115	1	03/31/2018 03:29	WG1091812
p-Isopropyltoluene	U		0.000234	0.00115	1	03/31/2018 03:29	WG1091812
2-Butanone (MEK)	0.0540		0.00536	0.0115	1	03/31/2018 03:29	WG1091812
Methylene Chloride	U		0.00115	0.00573	1	03/31/2018 03:29	WG1091812
4-Methyl-2-pentanone (MIBK)	U		0.00215	0.0115	1	03/31/2018 03:29	WG1091812

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000243	0.00115	1	03/31/2018 03:29	WG1091812
Naphthalene	U		0.00115	0.00573	1	03/31/2018 03:29	WG1091812
n-Propylbenzene	U		0.000236	0.00115	1	03/31/2018 03:29	WG1091812
Styrene	U		0.000268	0.00115	1	03/31/2018 03:29	WG1091812
1,1,1,2-Tetrachloroethane	U		0.000302	0.00115	1	03/31/2018 03:29	WG1091812
1,1,2,2-Tetrachloroethane	U		0.000418	0.00115	1	03/31/2018 03:29	WG1091812
1,1,2-Trichlorotrifluoroethane	U		0.000418	0.00115	1	03/31/2018 03:29	WG1091812
Tetrachloroethene	1.36		0.0158	0.0573	50	04/01/2018 14:48	WG1091812
Toluene	U		0.000497	0.00573	1	03/31/2018 03:29	WG1091812
1,2,3-Trichlorobenzene	U		0.000351	0.00115	1	03/31/2018 03:29	WG1091812
1,2,4-Trichlorobenzene	U		0.000444	0.00115	1	03/31/2018 03:29	WG1091812
1,1,1-Trichloroethane	U		0.000328	0.00115	1	03/31/2018 03:29	WG1091812
1,1,2-Trichloroethane	U		0.000317	0.00115	1	03/31/2018 03:29	WG1091812
Trichloroethene	0.0165		0.000320	0.00115	1	03/31/2018 03:29	WG1091812
Trichlorofluoromethane	U		0.000438	0.00573	1	03/31/2018 03:29	WG1091812
1,2,3-Trichloropropane	U		0.000849	0.00286	1	03/31/2018 03:29	WG1091812
1,2,4-Trimethylbenzene	U		0.000242	0.00115	1	03/31/2018 03:29	WG1091812
1,2,3-Trimethylbenzene	U		0.000329	0.00115	1	03/31/2018 03:29	WG1091812
1,3,5-Trimethylbenzene	U		0.000305	0.00115	1	03/31/2018 03:29	WG1091812
Vinyl acetate	U		0.00274	0.0115	1	03/31/2018 03:29	WG1091812
Vinyl chloride	0.00557		0.000333	0.00115	1	03/31/2018 03:29	WG1091812
Xylenes, Total	U		0.000800	0.00344	1	03/31/2018 03:29	WG1091812
(S) Toluene-d8	*102*			*80.0-120*		*03/31/2018 03:29*	WG1091812
(S) Toluene-d8	*106*			*80.0-120*		*04/01/2018 14:48*	WG1091812
(S) Dibromofluoromethane	*103*			*74.0-131*		*03/31/2018 03:29*	WG1091812
(S) Dibromofluoromethane	*95.1*			*74.0-131*		*04/01/2018 14:48*	WG1091812
(S) 4-Bromofluorobenzene	*113*			*64.0-132*		*03/31/2018 03:29*	WG1091812
(S) 4-Bromofluorobenzene	*87.0*			*64.0-132*		*04/01/2018 14:48*	WG1091812

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	87.2		1	04/02/2018 09:01	WG1092325

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.0198	J	0.0115	0.0573	1	03/31/2018 03:50	WG1091812
Acrylonitrile	U		0.00205	0.0115	1	03/31/2018 03:50	WG1091812
Benzene	U		0.000310	0.00115	1	03/31/2018 03:50	WG1091812
Bromobenzene	U		0.000326	0.00115	1	03/31/2018 03:50	WG1091812
Bromodichloromethane	U		0.000291	0.00115	1	03/31/2018 03:50	WG1091812
Bromochloromethane	U		0.000447	0.00573	1	03/31/2018 03:50	WG1091812
Bromoform	U		0.000486	0.00115	1	03/31/2018 03:50	WG1091812
Bromomethane	U		0.00154	0.00573	1	03/31/2018 03:50	WG1091812
n-Butylbenzene	U		0.000296	0.00115	1	03/31/2018 03:50	WG1091812
sec-Butylbenzene	U		0.000230	0.00115	1	03/31/2018 03:50	WG1091812
tert-Butylbenzene	U		0.000236	0.00115	1	03/31/2018 03:50	WG1091812
Carbon disulfide	0.000492	J	0.000253	0.00115	1	03/31/2018 03:50	WG1091812
Carbon tetrachloride	U		0.000376	0.00115	1	03/31/2018 03:50	WG1091812
Chlorobenzene	U		0.000243	0.00115	1	03/31/2018 03:50	WG1091812
Chlorodibromomethane	U		0.000428	0.00115	1	03/31/2018 03:50	WG1091812
Chloroethane	U		0.00108	0.00573	1	03/31/2018 03:50	WG1091812
Chloroform	U		0.000263	0.00573	1	03/31/2018 03:50	WG1091812
Chloromethane	U		0.000430	0.00287	1	03/31/2018 03:50	WG1091812
2-Chlorotoluene	U		0.000345	0.00115	1	03/31/2018 03:50	WG1091812
4-Chlorotoluene	U		0.000275	0.00115	1	03/31/2018 03:50	WG1091812
1,2-Dibromo-3-Chloropropane	U		0.00120	0.00573	1	03/31/2018 03:50	WG1091812
1,2-Dibromoethane	U		0.000393	0.00115	1	03/31/2018 03:50	WG1091812
Dibromomethane	U		0.000438	0.00115	1	03/31/2018 03:50	WG1091812
1,2-Dichlorobenzene	U		0.000350	0.00115	1	03/31/2018 03:50	WG1091812
1,3-Dichlorobenzene	U		0.000274	0.00115	1	03/31/2018 03:50	WG1091812
1,4-Dichlorobenzene	U		0.000259	0.00115	1	03/31/2018 03:50	WG1091812
Dichlorodifluoromethane	U		0.000817	0.00573	1	03/31/2018 03:50	WG1091812
1,1-Dichloroethane	U		0.000228	0.00115	1	03/31/2018 03:50	WG1091812
1,2-Dichloroethane	U		0.000304	0.00115	1	03/31/2018 03:50	WG1091812
1,1-Dichloroethene	0.000907	J	0.000347	0.00115	1	03/31/2018 03:50	WG1091812
cis-1,2-Dichloroethene	0.729		0.00674	0.0287	25	04/01/2018 15:08	WG1091812
trans-1,2-Dichloroethene	U		0.000303	0.00115	1	03/31/2018 03:50	WG1091812
1,2-Dichloropropane	U		0.000410	0.00115	1	03/31/2018 03:50	WG1091812
1,1-Dichloropropene	U		0.000363	0.00115	1	03/31/2018 03:50	WG1091812
1,3-Dichloropropane	U		0.000237	0.00115	1	03/31/2018 03:50	WG1091812
cis-1,3-Dichloropropene	U		0.000300	0.00115	1	03/31/2018 03:50	WG1091812
trans-1,3-Dichloropropene	U		0.000306	0.00115	1	03/31/2018 03:50	WG1091812
trans-1,4-Dichloro-2-butene	U		0.000892	0.00287	1	03/31/2018 03:50	WG1091812
2,2-Dichloropropane	U		0.000320	0.00115	1	03/31/2018 03:50	WG1091812
Di-isopropyl ether	U		0.000284	0.00115	1	03/31/2018 03:50	WG1091812
Ethylbenzene	U		0.000340	0.00115	1	03/31/2018 03:50	WG1091812
Hexachloro-1,3-butadiene	U		0.000392	0.00115	1	03/31/2018 03:50	WG1091812
2-Hexanone	U		0.00157	0.0115	1	03/31/2018 03:50	WG1091812
n-Hexane	U		0.000332	0.0115	1	03/31/2018 03:50	WG1091812
Iodomethane	U		0.00290	0.0115	1	03/31/2018 03:50	WG1091812
Isopropylbenzene	U		0.000279	0.00115	1	03/31/2018 03:50	WG1091812
p-Isopropyltoluene	U		0.000234	0.00115	1	03/31/2018 03:50	WG1091812
2-Butanone (MEK)	0.0160		0.00536	0.0115	1	03/31/2018 03:50	WG1091812
Methylene Chloride	U		0.00115	0.00573	1	03/31/2018 03:50	WG1091812
4-Methyl-2-pentanone (MIBK)	U		0.00216	0.0115	1	03/31/2018 03:50	WG1091812

IW-51A-55

Collected date/time: 03/26/18 11:32

SAMPLE RESULTS - 02

L980954

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000243	0.00115	1	03/31/2018 03:50	WG1091812
Naphthalene	U		0.00115	0.00573	1	03/31/2018 03:50	WG1091812
n-Propylbenzene	U		0.000236	0.00115	1	03/31/2018 03:50	WG1091812
Styrene	U		0.000268	0.00115	1	03/31/2018 03:50	WG1091812
1,1,1,2-Tetrachloroethane	U		0.000303	0.00115	1	03/31/2018 03:50	WG1091812
1,1,2,2-Tetrachloroethane	U		0.000418	0.00115	1	03/31/2018 03:50	WG1091812
1,1,2-Trichlorotrifluoroethane	U		0.000418	0.00115	1	03/31/2018 03:50	WG1091812
Tetrachloroethene	0.103		0.000316	0.00115	1	03/31/2018 03:50	WG1091812
Toluene	U		0.000498	0.00573	1	03/31/2018 03:50	WG1091812
1,2,3-Trichlorobenzene	U		0.000351	0.00115	1	03/31/2018 03:50	WG1091812
1,2,4-Trichlorobenzene	U		0.000445	0.00115	1	03/31/2018 03:50	WG1091812
1,1,1-Trichloroethane	U		0.000328	0.00115	1	03/31/2018 03:50	WG1091812
1,1,2-Trichloroethane	U		0.000318	0.00115	1	03/31/2018 03:50	WG1091812
Trichloroethene	0.00933		0.000320	0.00115	1	03/31/2018 03:50	WG1091812
Trichlorofluoromethane	U		0.000438	0.00573	1	03/31/2018 03:50	WG1091812
1,2,3-Trichloropropane	U		0.000849	0.00287	1	03/31/2018 03:50	WG1091812
1,2,4-Trimethylbenzene	U		0.000242	0.00115	1	03/31/2018 03:50	WG1091812
1,2,3-Trimethylbenzene	U		0.000329	0.00115	1	03/31/2018 03:50	WG1091812
1,3,5-Trimethylbenzene	U		0.000305	0.00115	1	03/31/2018 03:50	WG1091812
Vinyl acetate	U		0.00274	0.0115	1	03/31/2018 03:50	WG1091812
Vinyl chloride	0.00612		0.000334	0.00115	1	03/31/2018 03:50	WG1091812
Xylenes, Total	U		0.000800	0.00344	1	03/31/2018 03:50	WG1091812
(S) Toluene-d8	*100*			*80.0-120*		*03/31/2018 03:50*	WG1091812
(S) Toluene-d8	*106*			*80.0-120*		*04/01/2018 15:08*	WG1091812
(S) Dibromofluoromethane	*103*			*74.0-131*		*03/31/2018 03:50*	WG1091812
(S) Dibromofluoromethane	*92.1*			*74.0-131*		*04/01/2018 15:08*	WG1091812
(S) 4-Bromofluorobenzene	*108*			*64.0-132*		*03/31/2018 03:50*	WG1091812
(S) 4-Bromofluorobenzene	*88.6*			*64.0-132*		*04/01/2018 15:08*	WG1091812

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	93.0		1	04/02/2018 09:01	WG1092325

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0108	0.0538	1	03/31/2018 04:11	WG1091812
Acrylonitrile	U		0.00193	0.0108	1	03/31/2018 04:11	WG1091812
Benzene	U		0.000290	0.00108	1	03/31/2018 04:11	WG1091812
Bromobenzene	U		0.000305	0.00108	1	03/31/2018 04:11	WG1091812
Bromodichloromethane	U		0.000273	0.00108	1	03/31/2018 04:11	WG1091812
Bromochloromethane	U		0.000420	0.00538	1	03/31/2018 04:11	WG1091812
Bromoform	U		0.000456	0.00108	1	03/31/2018 04:11	WG1091812
Bromomethane	U		0.00144	0.00538	1	03/31/2018 04:11	WG1091812
n-Butylbenzene	U		0.000278	0.00108	1	03/31/2018 04:11	WG1091812
sec-Butylbenzene	U		0.000216	0.00108	1	03/31/2018 04:11	WG1091812
tert-Butylbenzene	U		0.000222	0.00108	1	03/31/2018 04:11	WG1091812
Carbon disulfide	0.000255	J	0.000238	0.00108	1	03/31/2018 04:11	WG1091812
Carbon tetrachloride	U		0.000353	0.00108	1	03/31/2018 04:11	WG1091812
Chlorobenzene	U		0.000228	0.00108	1	03/31/2018 04:11	WG1091812
Chlorodibromomethane	U		0.000401	0.00108	1	03/31/2018 04:11	WG1091812
Chloroethane	U		0.00102	0.00538	1	03/31/2018 04:11	WG1091812
Chloroform	U		0.000246	0.00538	1	03/31/2018 04:11	WG1091812
Chloromethane	U		0.000403	0.00269	1	03/31/2018 04:11	WG1091812
2-Chlorotoluene	U		0.000324	0.00108	1	03/31/2018 04:11	WG1091812
4-Chlorotoluene	U		0.000258	0.00108	1	03/31/2018 04:11	WG1091812
1,2-Dibromo-3-Chloropropane	U		0.00113	0.00538	1	03/31/2018 04:11	WG1091812
1,2-Dibromoethane	U		0.000369	0.00108	1	03/31/2018 04:11	WG1091812
Dibromomethane	U		0.000411	0.00108	1	03/31/2018 04:11	WG1091812
1,2-Dichlorobenzene	U		0.000328	0.00108	1	03/31/2018 04:11	WG1091812
1,3-Dichlorobenzene	U		0.000257	0.00108	1	03/31/2018 04:11	WG1091812
1,4-Dichlorobenzene	U		0.000243	0.00108	1	03/31/2018 04:11	WG1091812
Dichlorodifluoromethane	U		0.000767	0.00538	1	03/31/2018 04:11	WG1091812
1,1-Dichloroethane	U		0.000214	0.00108	1	03/31/2018 04:11	WG1091812
1,2-Dichloroethane	U		0.000285	0.00108	1	03/31/2018 04:11	WG1091812
1,1-Dichloroethene	U		0.000326	0.00108	1	03/31/2018 04:11	WG1091812
cis-1,2-Dichloroethene	0.00129		0.000253	0.00108	1	04/01/2018 14:09	WG1091812
trans-1,2-Dichloroethene	U		0.000284	0.00108	1	03/31/2018 04:11	WG1091812
1,2-Dichloropropane	U		0.000385	0.00108	1	03/31/2018 04:11	WG1091812
1,1-Dichloropropene	U		0.000341	0.00108	1	03/31/2018 04:11	WG1091812
1,3-Dichloropropane	U		0.000223	0.00108	1	03/31/2018 04:11	WG1091812
cis-1,3-Dichloropropene	U		0.000282	0.00108	1	03/31/2018 04:11	WG1091812
trans-1,3-Dichloropropene	U		0.000287	0.00108	1	03/31/2018 04:11	WG1091812
trans-1,4-Dichloro-2-butene	U		0.000837	0.00269	1	03/31/2018 04:11	WG1091812
2,2-Dichloropropane	U		0.000300	0.00108	1	03/31/2018 04:11	WG1091812
Di-isopropyl ether	U		0.000267	0.00108	1	03/31/2018 04:11	WG1091812
Ethylbenzene	U		0.000319	0.00108	1	03/31/2018 04:11	WG1091812
Hexachloro-1,3-butadiene	U		0.000368	0.00108	1	03/31/2018 04:11	WG1091812
2-Hexanone	U		0.00147	0.0108	1	03/31/2018 04:11	WG1091812
n-Hexane	U		0.000312	0.0108	1	03/31/2018 04:11	WG1091812
Iodomethane	U		0.00272	0.0108	1	03/31/2018 04:11	WG1091812
Isopropylbenzene	U		0.000261	0.00108	1	03/31/2018 04:11	WG1091812
p-Isopropyltoluene	U		0.000219	0.00108	1	03/31/2018 04:11	WG1091812
2-Butanone (MEK)	U		0.00503	0.0108	1	03/31/2018 04:11	WG1091812
Methylene Chloride	U		0.00108	0.00538	1	03/31/2018 04:11	WG1091812
4-Methyl-2-pentanone (MIBK)	U		0.00202	0.0108	1	03/31/2018 04:11	WG1091812

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000228	0.00108	1	03/31/2018 04:11	WG1091812
Naphthalene	U		0.00108	0.00538	1	03/31/2018 04:11	WG1091812
n-Propylbenzene	U		0.000222	0.00108	1	03/31/2018 04:11	WG1091812
Styrene	U		0.000252	0.00108	1	03/31/2018 04:11	WG1091812
1,1,1,2-Tetrachloroethane	U		0.000284	0.00108	1	03/31/2018 04:11	WG1091812
1,1,2,2-Tetrachloroethane	U		0.000393	0.00108	1	03/31/2018 04:11	WG1091812
1,1,2-Trichlorotrifluoroethane	U		0.000393	0.00108	1	03/31/2018 04:11	WG1091812
Tetrachloroethene	0.000796	J	0.000297	0.00108	1	03/31/2018 04:11	WG1091812
Toluene	U		0.000467	0.00538	1	03/31/2018 04:11	WG1091812
1,2,3-Trichlorobenzene	U		0.000329	0.00108	1	03/31/2018 04:11	WG1091812
1,2,4-Trichlorobenzene	U		0.000417	0.00108	1	03/31/2018 04:11	WG1091812
1,1,1-Trichloroethane	U		0.000308	0.00108	1	03/31/2018 04:11	WG1091812
1,1,2-Trichloroethane	U		0.000298	0.00108	1	03/31/2018 04:11	WG1091812
Trichloroethene	U		0.000300	0.00108	1	03/31/2018 04:11	WG1091812
Trichlorofluoromethane	U		0.000411	0.00538	1	03/31/2018 04:11	WG1091812
1,2,3-Trichloropropane	U		0.000797	0.00269	1	03/31/2018 04:11	WG1091812
1,2,4-Trimethylbenzene	U		0.000227	0.00108	1	03/31/2018 04:11	WG1091812
1,2,3-Trimethylbenzene	U		0.000309	0.00108	1	03/31/2018 04:11	WG1091812
1,3,5-Trimethylbenzene	U		0.000286	0.00108	1	03/31/2018 04:11	WG1091812
Vinyl acetate	U		0.00257	0.0108	1	03/31/2018 04:11	WG1091812
Vinyl chloride	0.000706	J	0.000313	0.00108	1	03/31/2018 04:11	WG1091812
Xylenes, Total	U		0.000751	0.00323	1	03/31/2018 04:11	WG1091812
(S) Toluene-d8	*103*			*80.0-120*		*03/31/2018 04:11*	WG1091812
(S) Toluene-d8	*107*			*80.0-120*		*04/01/2018 14:09*	WG1091812
(S) Dibromofluoromethane	*101*			*74.0-131*		*04/01/2018 14:09*	WG1091812
(S) Dibromofluoromethane	*106*			*74.0-131*		*03/31/2018 04:11*	WG1091812
(S) 4-Bromofluorobenzene	*105*			*64.0-132*		*03/31/2018 04:11*	WG1091812
(S) 4-Bromofluorobenzene	*94.6*			*64.0-132*		*04/01/2018 14:09*	WG1091812

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	91.9		1	04/02/2018 09:01	WG1092325

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0109	0.0544	1	03/31/2018 04:32	WG1091812
Acrylonitrile	U		0.00195	0.0109	1	03/31/2018 04:32	WG1091812
Benzene	U		0.000294	0.00109	1	03/31/2018 04:32	WG1091812
Bromobenzene	U		0.000309	0.00109	1	03/31/2018 04:32	WG1091812
Bromodichloromethane	U		0.000276	0.00109	1	03/31/2018 04:32	WG1091812
Bromochloromethane	U		0.000424	0.00544	1	03/31/2018 04:32	WG1091812
Bromoform	U		0.000461	0.00109	1	03/31/2018 04:32	WG1091812
Bromomethane	U		0.00146	0.00544	1	03/31/2018 04:32	WG1091812
n-Butylbenzene	U		0.000281	0.00109	1	03/31/2018 04:32	WG1091812
sec-Butylbenzene	U		0.000219	0.00109	1	03/31/2018 04:32	WG1091812
tert-Butylbenzene	U		0.000224	0.00109	1	03/31/2018 04:32	WG1091812
Carbon disulfide	0.000264	J	0.000240	0.00109	1	03/31/2018 04:32	WG1091812
Carbon tetrachloride	U		0.000357	0.00109	1	03/31/2018 04:32	WG1091812
Chlorobenzene	U		0.000231	0.00109	1	03/31/2018 04:32	WG1091812
Chlorodibromomethane	U		0.000406	0.00109	1	03/31/2018 04:32	WG1091812
Chloroethane	U		0.00103	0.00544	1	03/31/2018 04:32	WG1091812
Chloroform	U		0.000249	0.00544	1	03/31/2018 04:32	WG1091812
Chloromethane	U		0.000408	0.00272	1	03/31/2018 04:32	WG1091812
2-Chlorotoluene	U		0.000327	0.00109	1	03/31/2018 04:32	WG1091812
4-Chlorotoluene	U		0.000261	0.00109	1	03/31/2018 04:32	WG1091812
1,2-Dibromo-3-Chloropropane	U		0.00114	0.00544	1	03/31/2018 04:32	WG1091812
1,2-Dibromoethane	U		0.000373	0.00109	1	03/31/2018 04:32	WG1091812
Dibromomethane	U		0.000415	0.00109	1	03/31/2018 04:32	WG1091812
1,2-Dichlorobenzene	U		0.000332	0.00109	1	03/31/2018 04:32	WG1091812
1,3-Dichlorobenzene	U		0.000260	0.00109	1	03/31/2018 04:32	WG1091812
1,4-Dichlorobenzene	U		0.000246	0.00109	1	03/31/2018 04:32	WG1091812
Dichlorodifluoromethane	U		0.000776	0.00544	1	03/31/2018 04:32	WG1091812
1,1-Dichloroethane	U		0.000216	0.00109	1	03/31/2018 04:32	WG1091812
1,2-Dichloroethane	U		0.000288	0.00109	1	03/31/2018 04:32	WG1091812
1,1-Dichloroethene	U		0.000330	0.00109	1	03/31/2018 04:32	WG1091812
cis-1,2-Dichloroethene	0.00180		0.000256	0.00109	1	03/31/2018 04:32	WG1091812
trans-1,2-Dichloroethene	U		0.000287	0.00109	1	03/31/2018 04:32	WG1091812
1,2-Dichloropropane	U		0.000389	0.00109	1	03/31/2018 04:32	WG1091812
1,1-Dichloropropene	U		0.000345	0.00109	1	03/31/2018 04:32	WG1091812
1,3-Dichloropropane	U		0.000225	0.00109	1	03/31/2018 04:32	WG1091812
cis-1,3-Dichloropropene	U		0.000285	0.00109	1	03/31/2018 04:32	WG1091812
trans-1,3-Dichloropropene	U		0.000290	0.00109	1	03/31/2018 04:32	WG1091812
trans-1,4-Dichloro-2-butene	U		0.000846	0.00272	1	03/31/2018 04:32	WG1091812
2,2-Dichloropropane	U		0.000303	0.00109	1	03/31/2018 04:32	WG1091812
Di-isopropyl ether	U		0.000270	0.00109	1	03/31/2018 04:32	WG1091812
Ethylbenzene	U		0.000323	0.00109	1	03/31/2018 04:32	WG1091812
Hexachloro-1,3-butadiene	U		0.000372	0.00109	1	03/31/2018 04:32	WG1091812
2-Hexanone	U		0.00149	0.0109	1	03/31/2018 04:32	WG1091812
n-Hexane	U		0.000315	0.0109	1	03/31/2018 04:32	WG1091812
Iodomethane	U		0.00275	0.0109	1	03/31/2018 04:32	WG1091812
Isopropylbenzene	U		0.000264	0.00109	1	03/31/2018 04:32	WG1091812
p-Isopropyltoluene	U		0.000222	0.00109	1	03/31/2018 04:32	WG1091812
2-Butanone (MEK)	U		0.00509	0.0109	1	03/31/2018 04:32	WG1091812
Methylene Chloride	U		0.00109	0.00544	1	03/31/2018 04:32	WG1091812
4-Methyl-2-pentanone (MIBK)	U		0.00204	0.0109	1	03/31/2018 04:32	WG1091812

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000231	0.00109	1	03/31/2018 04:32	WG1091812
Naphthalene	U		0.00109	0.00544	1	03/31/2018 04:32	WG1091812
n-Propylbenzene	U		0.000224	0.00109	1	03/31/2018 04:32	WG1091812
Styrene	U		0.000255	0.00109	1	03/31/2018 04:32	WG1091812
1,1,1,2-Tetrachloroethane	U		0.000287	0.00109	1	03/31/2018 04:32	WG1091812
1,1,2,2-Tetrachloroethane	U		0.000397	0.00109	1	03/31/2018 04:32	WG1091812
1,1,2-Trichlorotrifluoroethane	U		0.000397	0.00109	1	03/31/2018 04:32	WG1091812
Tetrachloroethene	0.000824	J	0.000300	0.00109	1	03/31/2018 04:32	WG1091812
Toluene	U		0.000472	0.00544	1	03/31/2018 04:32	WG1091812
1,2,3-Trichlorobenzene	U		0.000333	0.00109	1	03/31/2018 04:32	WG1091812
1,2,4-Trichlorobenzene	U		0.000422	0.00109	1	03/31/2018 04:32	WG1091812
1,1,1-Trichloroethane	U		0.000311	0.00109	1	03/31/2018 04:32	WG1091812
1,1,2-Trichloroethane	U		0.000301	0.00109	1	03/31/2018 04:32	WG1091812
Trichloroethene	U		0.000303	0.00109	1	03/31/2018 04:32	WG1091812
Trichlorofluoromethane	U		0.000415	0.00544	1	03/31/2018 04:32	WG1091812
1,2,3-Trichloropropane	U		0.000806	0.00272	1	03/31/2018 04:32	WG1091812
1,2,4-Trimethylbenzene	U		0.000229	0.00109	1	03/31/2018 04:32	WG1091812
1,2,3-Trimethylbenzene	U		0.000312	0.00109	1	03/31/2018 04:32	WG1091812
1,3,5-Trimethylbenzene	U		0.000289	0.00109	1	03/31/2018 04:32	WG1091812
Vinyl acetate	U		0.00260	0.0109	1	03/31/2018 04:32	WG1091812
Vinyl chloride	0.00354		0.000317	0.00109	1	03/31/2018 04:32	WG1091812
Xylenes, Total	U		0.000759	0.00326	1	03/31/2018 04:32	WG1091812
(S) Toluene-d8	*99.1*			*80.0-120*		*03/31/2018 04:32*	WG1091812
(S) Dibromofluoromethane	*104*			*74.0-131*		*03/31/2018 04:32*	WG1091812
(S) 4-Bromofluorobenzene	*110*			*64.0-132*		*03/31/2018 04:32*	WG1091812

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	87.6		1	04/02/2018 09:01	WG1092325

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.0493	J	0.0114	0.0571	1	03/31/2018 04:54	WG1091812
Acrylonitrile	U		0.00204	0.0114	1	03/31/2018 04:54	WG1091812
Benzene	0.000343	J	0.000308	0.00114	1	03/31/2018 04:54	WG1091812
Bromobenzene	U		0.000324	0.00114	1	03/31/2018 04:54	WG1091812
Bromodichloromethane	U		0.000290	0.00114	1	03/31/2018 04:54	WG1091812
Bromochloromethane	U		0.000445	0.00571	1	03/31/2018 04:54	WG1091812
Bromoform	U		0.000484	0.00114	1	03/31/2018 04:54	WG1091812
Bromomethane	U		0.00153	0.00571	1	03/31/2018 04:54	WG1091812
n-Butylbenzene	U		0.000294	0.00114	1	03/31/2018 04:54	WG1091812
sec-Butylbenzene	U		0.000229	0.00114	1	03/31/2018 04:54	WG1091812
tert-Butylbenzene	U		0.000235	0.00114	1	03/31/2018 04:54	WG1091812
Carbon disulfide	0.000543	J	0.000252	0.00114	1	03/31/2018 04:54	WG1091812
Carbon tetrachloride	U		0.000374	0.00114	1	03/31/2018 04:54	WG1091812
Chlorobenzene	U		0.000242	0.00114	1	03/31/2018 04:54	WG1091812
Chlorodibromomethane	U		0.000426	0.00114	1	03/31/2018 04:54	WG1091812
Chloroethane	U		0.00108	0.00571	1	03/31/2018 04:54	WG1091812
Chloroform	U		0.000261	0.00571	1	03/31/2018 04:54	WG1091812
Chloromethane	U		0.000428	0.00285	1	03/31/2018 04:54	WG1091812
2-Chlorotoluene	U		0.000344	0.00114	1	03/31/2018 04:54	WG1091812
4-Chlorotoluene	U		0.000274	0.00114	1	03/31/2018 04:54	WG1091812
1,2-Dibromo-3-Chloropropane	U		0.00120	0.00571	1	03/31/2018 04:54	WG1091812
1,2-Dibromoethane	U		0.000392	0.00114	1	03/31/2018 04:54	WG1091812
Dibromomethane	U		0.000436	0.00114	1	03/31/2018 04:54	WG1091812
1,2-Dichlorobenzene	U		0.000348	0.00114	1	03/31/2018 04:54	WG1091812
1,3-Dichlorobenzene	U		0.000273	0.00114	1	03/31/2018 04:54	WG1091812
1,4-Dichlorobenzene	U		0.000258	0.00114	1	03/31/2018 04:54	WG1091812
Dichlorodifluoromethane	U		0.000814	0.00571	1	03/31/2018 04:54	WG1091812
1,1-Dichloroethane	U		0.000227	0.00114	1	03/31/2018 04:54	WG1091812
1,2-Dichloroethane	U		0.000302	0.00114	1	03/31/2018 04:54	WG1091812
1,1-Dichloroethene	U		0.000346	0.00114	1	03/31/2018 04:54	WG1091812
cis-1,2-Dichloroethene	U		0.000268	0.00114	1	03/31/2018 04:54	WG1091812
trans-1,2-Dichloroethene	U		0.000301	0.00114	1	03/31/2018 04:54	WG1091812
1,2-Dichloropropane	U		0.000409	0.00114	1	03/31/2018 04:54	WG1091812
1,1-Dichloropropene	U		0.000362	0.00114	1	03/31/2018 04:54	WG1091812
1,3-Dichloropropane	U		0.000236	0.00114	1	03/31/2018 04:54	WG1091812
cis-1,3-Dichloropropene	U		0.000299	0.00114	1	03/31/2018 04:54	WG1091812
trans-1,3-Dichloropropene	U		0.000305	0.00114	1	03/31/2018 04:54	WG1091812
trans-1,4-Dichloro-2-butene	U		0.000888	0.00285	1	03/31/2018 04:54	WG1091812
2,2-Dichloropropane	U		0.000318	0.00114	1	03/31/2018 04:54	WG1091812
Di-isopropyl ether	U		0.000283	0.00114	1	03/31/2018 04:54	WG1091812
Ethylbenzene	U		0.000339	0.00114	1	03/31/2018 04:54	WG1091812
Hexachloro-1,3-butadiene	U		0.000390	0.00114	1	03/31/2018 04:54	WG1091812
2-Hexanone	U		0.00156	0.0114	1	03/31/2018 04:54	WG1091812
n-Hexane	0.00123	J	0.000331	0.0114	1	03/31/2018 04:54	WG1091812
Iodomethane	U		0.00289	0.0114	1	03/31/2018 04:54	WG1091812
Isopropylbenzene	U		0.000277	0.00114	1	03/31/2018 04:54	WG1091812
p-Isopropyltoluene	U		0.000233	0.00114	1	03/31/2018 04:54	WG1091812
2-Butanone (MEK)	U		0.00534	0.0114	1	03/31/2018 04:54	WG1091812
Methylene Chloride	U		0.00114	0.00571	1	03/31/2018 04:54	WG1091812
4-Methyl-2-pentanone (MIBK)	0.00621	J	0.00215	0.0114	1	03/31/2018 04:54	WG1091812

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000242	0.00114	1	03/31/2018 04:54	WG1091812
Naphthalene	U		0.00114	0.00571	1	03/31/2018 04:54	WG1091812
n-Propylbenzene	U		0.000235	0.00114	1	03/31/2018 04:54	WG1091812
Styrene	U		0.000267	0.00114	1	03/31/2018 04:54	WG1091812
1,1,1,2-Tetrachloroethane	U		0.000301	0.00114	1	03/31/2018 04:54	WG1091812
1,1,2,2-Tetrachloroethane	U		0.000417	0.00114	1	03/31/2018 04:54	WG1091812
1,1,2-Trichlorotrifluoroethane	U		0.000417	0.00114	1	03/31/2018 04:54	WG1091812
Tetrachloroethene	0.0105		0.000315	0.00114	1	03/31/2018 04:54	WG1091812
Toluene	U		0.000495	0.00571	1	03/31/2018 04:54	WG1091812
1,2,3-Trichlorobenzene	U		0.000349	0.00114	1	03/31/2018 04:54	WG1091812
1,2,4-Trichlorobenzene	U		0.000443	0.00114	1	03/31/2018 04:54	WG1091812
1,1,1-Trichloroethane	U		0.000326	0.00114	1	03/31/2018 04:54	WG1091812
1,1,2-Trichloroethane	U		0.000316	0.00114	1	03/31/2018 04:54	WG1091812
Trichloroethene	U		0.000318	0.00114	1	03/31/2018 04:54	WG1091812
Trichlorofluoromethane	U		0.000436	0.00571	1	03/31/2018 04:54	WG1091812
1,2,3-Trichloropropane	U		0.000846	0.00285	1	03/31/2018 04:54	WG1091812
1,2,4-Trimethylbenzene	U		0.000241	0.00114	1	03/31/2018 04:54	WG1091812
1,2,3-Trimethylbenzene	U		0.000328	0.00114	1	03/31/2018 04:54	WG1091812
1,3,5-Trimethylbenzene	U		0.000304	0.00114	1	03/31/2018 04:54	WG1091812
Vinyl acetate	U		0.00273	0.0114	1	03/31/2018 04:54	WG1091812
Vinyl chloride	U		0.000332	0.00114	1	03/31/2018 04:54	WG1091812
Xylenes, Total	U		0.000797	0.00342	1	03/31/2018 04:54	WG1091812
(S) Toluene-d8	*100*			*80.0-120*		*03/31/2018 04:54*	WG1091812
(S) Dibromofluoromethane	*104*			*74.0-131*		*03/31/2018 04:54*	WG1091812
(S) 4-Bromofluorobenzene	*105*			*64.0-132*		*03/31/2018 04:54*	WG1091812

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	89.7		1	04/02/2018 09:01	WG1092325

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.504		0.0111	0.0557	1	03/31/2018 05:15	WG1091812
Acrylonitrile	U		0.00200	0.0111	1	03/31/2018 05:15	WG1091812
Benzene	U		0.000301	0.00111	1	03/31/2018 05:15	WG1091812
Bromobenzene	U		0.000317	0.00111	1	03/31/2018 05:15	WG1091812
Bromodichloromethane	U		0.000283	0.00111	1	03/31/2018 05:15	WG1091812
Bromochloromethane	U		0.000435	0.00557	1	03/31/2018 05:15	WG1091812
Bromoform	U		0.000473	0.00111	1	03/31/2018 05:15	WG1091812
Bromomethane	U		0.00149	0.00557	1	03/31/2018 05:15	WG1091812
n-Butylbenzene	U		0.000288	0.00111	1	03/31/2018 05:15	WG1091812
sec-Butylbenzene	U		0.000224	0.00111	1	03/31/2018 05:15	WG1091812
tert-Butylbenzene	U		0.000230	0.00111	1	03/31/2018 05:15	WG1091812
Carbon disulfide	U		0.000246	0.00111	1	03/31/2018 05:15	WG1091812
Carbon tetrachloride	U		0.000366	0.00111	1	03/31/2018 05:15	WG1091812
Chlorobenzene	U		0.000236	0.00111	1	03/31/2018 05:15	WG1091812
Chlorodibromomethane	U		0.000416	0.00111	1	03/31/2018 05:15	WG1091812
Chloroethane	U		0.00105	0.00557	1	03/31/2018 05:15	WG1091812
Chloroform	U		0.000255	0.00557	1	03/31/2018 05:15	WG1091812
Chloromethane	U		0.000418	0.00279	1	03/31/2018 05:15	WG1091812
2-Chlorotoluene	U		0.000335	0.00111	1	03/31/2018 05:15	WG1091812
4-Chlorotoluene	U		0.000267	0.00111	1	03/31/2018 05:15	WG1091812
1,2-Dibromo-3-Chloropropane	U		0.00117	0.00557	1	03/31/2018 05:15	WG1091812
1,2-Dibromoethane	U		0.000382	0.00111	1	03/31/2018 05:15	WG1091812
Dibromomethane	U		0.000426	0.00111	1	03/31/2018 05:15	WG1091812
1,2-Dichlorobenzene	U		0.000340	0.00111	1	03/31/2018 05:15	WG1091812
1,3-Dichlorobenzene	U		0.000266	0.00111	1	03/31/2018 05:15	WG1091812
1,4-Dichlorobenzene	U		0.000252	0.00111	1	03/31/2018 05:15	WG1091812
Dichlorodifluoromethane	U		0.000795	0.00557	1	03/31/2018 05:15	WG1091812
1,1-Dichloroethane	U		0.000222	0.00111	1	03/31/2018 05:15	WG1091812
1,2-Dichloroethane	U		0.000295	0.00111	1	03/31/2018 05:15	WG1091812
1,1-Dichloroethene	U		0.000338	0.00111	1	03/31/2018 05:15	WG1091812
cis-1,2-Dichloroethene	0.00210		0.000262	0.00111	1	03/31/2018 05:15	WG1091812
trans-1,2-Dichloroethene	U		0.000294	0.00111	1	03/31/2018 05:15	WG1091812
1,2-Dichloropropane	U		0.000399	0.00111	1	03/31/2018 05:15	WG1091812
1,1-Dichloropropene	U		0.000353	0.00111	1	03/31/2018 05:15	WG1091812
1,3-Dichloropropane	U		0.000231	0.00111	1	03/31/2018 05:15	WG1091812
cis-1,3-Dichloropropene	U		0.000292	0.00111	1	03/31/2018 05:15	WG1091812
trans-1,3-Dichloropropene	U		0.000298	0.00111	1	03/31/2018 05:15	WG1091812
trans-1,4-Dichloro-2-butene	U		0.000867	0.00279	1	03/31/2018 05:15	WG1091812
2,2-Dichloropropane	U		0.000311	0.00111	1	03/31/2018 05:15	WG1091812
Di-isopropyl ether	U		0.000276	0.00111	1	03/31/2018 05:15	WG1091812
Ethylbenzene	U		0.000331	0.00111	1	03/31/2018 05:15	WG1091812
Hexachloro-1,3-butadiene	U		0.000381	0.00111	1	03/31/2018 05:15	WG1091812
2-Hexanone	U		0.00153	0.0111	1	03/31/2018 05:15	WG1091812
n-Hexane	U		0.000323	0.0111	1	03/31/2018 05:15	WG1091812
Iodomethane	U		0.00282	0.0111	1	03/31/2018 05:15	WG1091812
Isopropylbenzene	U		0.000271	0.00111	1	03/31/2018 05:15	WG1091812
p-Isopropyltoluene	U		0.000227	0.00111	1	03/31/2018 05:15	WG1091812
2-Butanone (MEK)	0.0791		0.00522	0.0111	1	03/31/2018 05:15	WG1091812
Methylene Chloride	U		0.00111	0.00557	1	03/31/2018 05:15	WG1091812
4-Methyl-2-pentanone (MIBK)	U		0.00210	0.0111	1	03/31/2018 05:15	WG1091812

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000236	0.00111	1	03/31/2018 05:15	WG1091812
Naphthalene	U		0.00111	0.00557	1	03/31/2018 05:15	WG1091812
n-Propylbenzene	U		0.000230	0.00111	1	03/31/2018 05:15	WG1091812
Styrene	U		0.000261	0.00111	1	03/31/2018 05:15	WG1091812
1,1,1,2-Tetrachloroethane	U		0.000294	0.00111	1	03/31/2018 05:15	WG1091812
1,1,2,2-Tetrachloroethane	U		0.000407	0.00111	1	03/31/2018 05:15	WG1091812
1,1,2-Trichlorotrifluoroethane	U		0.000407	0.00111	1	03/31/2018 05:15	WG1091812
Tetrachloroethene	0.00526		0.000308	0.00111	1	03/31/2018 05:15	WG1091812
Toluene	U		0.000484	0.00557	1	03/31/2018 05:15	WG1091812
1,2,3-Trichlorobenzene	U		0.000341	0.00111	1	03/31/2018 05:15	WG1091812
1,2,4-Trichlorobenzene	U		0.000432	0.00111	1	03/31/2018 05:15	WG1091812
1,1,1-Trichloroethane	U		0.000319	0.00111	1	03/31/2018 05:15	WG1091812
1,1,2-Trichloroethane	U		0.000309	0.00111	1	03/31/2018 05:15	WG1091812
Trichloroethene	0.00365		0.000311	0.00111	1	03/31/2018 05:15	WG1091812
Trichlorofluoromethane	U		0.000426	0.00557	1	03/31/2018 05:15	WG1091812
1,2,3-Trichloropropane	U		0.000826	0.00279	1	03/31/2018 05:15	WG1091812
1,2,4-Trimethylbenzene	U		0.000235	0.00111	1	03/31/2018 05:15	WG1091812
1,2,3-Trimethylbenzene	U		0.000320	0.00111	1	03/31/2018 05:15	WG1091812
1,3,5-Trimethylbenzene	U		0.000296	0.00111	1	03/31/2018 05:15	WG1091812
Vinyl acetate	U		0.00266	0.0111	1	03/31/2018 05:15	WG1091812
Vinyl chloride	U		0.000324	0.00111	1	03/31/2018 05:15	WG1091812
Xylenes, Total	U		0.000778	0.00334	1	03/31/2018 05:15	WG1091812
(S) Toluene-d8	*100*			*80.0-120*		*03/31/2018 05:15*	WG1091812
(S) Dibromofluoromethane	*104*			*74.0-131*		*03/31/2018 05:15*	WG1091812
(S) 4-Bromofluorobenzene	*102*			*64.0-132*		*03/31/2018 05:15*	WG1091812

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	91.0		1	04/02/2018 09:01	WG1092325

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.667	J	0.275	1.37	25	04/01/2018 15:28	WG1091812
Acrylonitrile	U		0.00197	0.0110	1	03/31/2018 05:36	WG1091812
Benzene	U		0.000297	0.00110	1	03/31/2018 05:36	WG1091812
Bromobenzene	U		0.000312	0.00110	1	03/31/2018 05:36	WG1091812
Bromodichloromethane	U		0.000279	0.00110	1	03/31/2018 05:36	WG1091812
Bromochloromethane	U		0.000428	0.00549	1	03/31/2018 05:36	WG1091812
Bromoform	U		0.000466	0.00110	1	03/31/2018 05:36	WG1091812
Bromomethane	U		0.00147	0.00549	1	03/31/2018 05:36	WG1091812
n-Butylbenzene	U		0.000283	0.00110	1	03/31/2018 05:36	WG1091812
sec-Butylbenzene	U		0.000221	0.00110	1	03/31/2018 05:36	WG1091812
tert-Butylbenzene	U		0.000226	0.00110	1	03/31/2018 05:36	WG1091812
Carbon disulfide	0.000287	J	0.000243	0.00110	1	03/31/2018 05:36	WG1091812
Carbon tetrachloride	U		0.000360	0.00110	1	03/31/2018 05:36	WG1091812
Chlorobenzene	U		0.000233	0.00110	1	03/31/2018 05:36	WG1091812
Chlorodibromomethane	U		0.000410	0.00110	1	03/31/2018 05:36	WG1091812
Chloroethane	U		0.00104	0.00549	1	03/31/2018 05:36	WG1091812
Chloroform	U		0.000252	0.00549	1	03/31/2018 05:36	WG1091812
Chloromethane	U		0.000412	0.00275	1	03/31/2018 05:36	WG1091812
2-Chlorotoluene	U		0.000331	0.00110	1	03/31/2018 05:36	WG1091812
4-Chlorotoluene	U		0.000264	0.00110	1	03/31/2018 05:36	WG1091812
1,2-Dibromo-3-Chloropropane	U		0.00115	0.00549	1	03/31/2018 05:36	WG1091812
1,2-Dibromoethane	U		0.000377	0.00110	1	03/31/2018 05:36	WG1091812
Dibromomethane	U		0.000420	0.00110	1	03/31/2018 05:36	WG1091812
1,2-Dichlorobenzene	U		0.000335	0.00110	1	03/31/2018 05:36	WG1091812
1,3-Dichlorobenzene	U		0.000263	0.00110	1	03/31/2018 05:36	WG1091812
1,4-Dichlorobenzene	U		0.000248	0.00110	1	03/31/2018 05:36	WG1091812
Dichlorodifluoromethane	U		0.000783	0.00549	1	03/31/2018 05:36	WG1091812
1,1-Dichloroethane	U		0.000219	0.00110	1	03/31/2018 05:36	WG1091812
1,2-Dichloroethane	U		0.000291	0.00110	1	03/31/2018 05:36	WG1091812
1,1-Dichloroethene	U		0.000333	0.00110	1	03/31/2018 05:36	WG1091812
cis-1,2-Dichloroethene	0.00185		0.000258	0.00110	1	03/31/2018 05:36	WG1091812
trans-1,2-Dichloroethene	U		0.000290	0.00110	1	03/31/2018 05:36	WG1091812
1,2-Dichloropropane	U		0.000393	0.00110	1	03/31/2018 05:36	WG1091812
1,1-Dichloropropene	U		0.000348	0.00110	1	03/31/2018 05:36	WG1091812
1,3-Dichloropropane	U		0.000227	0.00110	1	03/31/2018 05:36	WG1091812
cis-1,3-Dichloropropene	U		0.000288	0.00110	1	03/31/2018 05:36	WG1091812
trans-1,3-Dichloropropene	U		0.000293	0.00110	1	03/31/2018 05:36	WG1091812
trans-1,4-Dichloro-2-butene	U		0.000855	0.00275	1	03/31/2018 05:36	WG1091812
2,2-Dichloropropane	U		0.000306	0.00110	1	03/31/2018 05:36	WG1091812
Di-isopropyl ether	U		0.000272	0.00110	1	03/31/2018 05:36	WG1091812
Ethylbenzene	U		0.000326	0.00110	1	03/31/2018 05:36	WG1091812
Hexachloro-1,3-butadiene	U		0.000376	0.00110	1	03/31/2018 05:36	WG1091812
2-Hexanone	U		0.00150	0.0110	1	03/31/2018 05:36	WG1091812
n-Hexane	U		0.000319	0.0110	1	03/31/2018 05:36	WG1091812
Iodomethane	U		0.00278	0.0110	1	03/31/2018 05:36	WG1091812
Isopropylbenzene	U		0.000267	0.00110	1	03/31/2018 05:36	WG1091812
p-Isopropyltoluene	U		0.000224	0.00110	1	03/31/2018 05:36	WG1091812
2-Butanone (MEK)	0.225		0.00514	0.0110	1	03/31/2018 05:36	WG1091812
Methylene Chloride	U		0.00110	0.00549	1	03/31/2018 05:36	WG1091812
4-Methyl-2-pentanone (MIBK)	U		0.00207	0.0110	1	03/31/2018 05:36	WG1091812

IW-50A-15

Collected date/time: 03/27/18 10:37

SAMPLE RESULTS - 07

L980954

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000233	0.00110	1	03/31/2018 05:36	WG1091812
Naphthalene	U		0.00110	0.00549	1	03/31/2018 05:36	WG1091812
n-Propylbenzene	U		0.000226	0.00110	1	03/31/2018 05:36	WG1091812
Styrene	U		0.000257	0.00110	1	03/31/2018 05:36	WG1091812
1,1,1,2-Tetrachloroethane	U		0.000290	0.00110	1	03/31/2018 05:36	WG1091812
1,1,2,2-Tetrachloroethane	U		0.000401	0.00110	1	03/31/2018 05:36	WG1091812
1,1,2-Trichlorotrifluoroethane	U		0.000401	0.00110	1	03/31/2018 05:36	WG1091812
Tetrachloroethene	0.00323		0.000303	0.00110	1	03/31/2018 05:36	WG1091812
Toluene	U		0.000477	0.00549	1	03/31/2018 05:36	WG1091812
1,2,3-Trichlorobenzene	U		0.000336	0.00110	1	03/31/2018 05:36	WG1091812
1,2,4-Trichlorobenzene	U		0.000426	0.00110	1	03/31/2018 05:36	WG1091812
1,1,1-Trichloroethane	U		0.000314	0.00110	1	03/31/2018 05:36	WG1091812
1,1,2-Trichloroethane	U		0.000304	0.00110	1	03/31/2018 05:36	WG1091812
Trichloroethene	0.00225		0.000306	0.00110	1	03/31/2018 05:36	WG1091812
Trichlorofluoromethane	U		0.000420	0.00549	1	03/31/2018 05:36	WG1091812
1,2,3-Trichloropropane	U		0.000814	0.00275	1	03/31/2018 05:36	WG1091812
1,2,4-Trimethylbenzene	U		0.000232	0.00110	1	03/31/2018 05:36	WG1091812
1,2,3-Trimethylbenzene	U		0.000315	0.00110	1	03/31/2018 05:36	WG1091812
1,3,5-Trimethylbenzene	U		0.000292	0.00110	1	03/31/2018 05:36	WG1091812
Vinyl acetate	U		0.00263	0.0110	1	03/31/2018 05:36	WG1091812
Vinyl chloride	U		0.000320	0.00110	1	03/31/2018 05:36	WG1091812
Xylenes, Total	U		0.000767	0.00330	1	03/31/2018 05:36	WG1091812
(S) Toluene-d8	*105*			*80.0-120*		*04/01/2018 15:28*	WG1091812
(S) Toluene-d8	*101*			*80.0-120*		*03/31/2018 05:36*	WG1091812
(S) Dibromofluoromethane	*105*			*74.0-131*		*03/31/2018 05:36*	WG1091812
(S) Dibromofluoromethane	*91.6*			*74.0-131*		*04/01/2018 15:28*	WG1091812
(S) 4-Bromofluorobenzene	*88.5*			*64.0-132*		*04/01/2018 15:28*	WG1091812
(S) 4-Bromofluorobenzene	*103*			*64.0-132*		*03/31/2018 05:36*	WG1091812

IW-50A-20

Collected date/time: 03/27/18 10:59

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	90.0		1	04/02/2018 09:01	WG1092325

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.0419	J	0.0111	0.0556	1	04/01/2018 14:28	WG1091812
Acrylonitrile	U		0.00199	0.0111	1	03/31/2018 05:57	WG1091812
Benzene	U		0.000300	0.00111	1	03/31/2018 05:57	WG1091812
Bromobenzene	U		0.000316	0.00111	1	03/31/2018 05:57	WG1091812
Bromodichloromethane	U		0.000282	0.00111	1	03/31/2018 05:57	WG1091812
Bromochloromethane	U		0.000433	0.00556	1	03/31/2018 05:57	WG1091812
Bromoform	U		0.000471	0.00111	1	03/31/2018 05:57	WG1091812
Bromomethane	U		0.00149	0.00556	1	03/31/2018 05:57	WG1091812
n-Butylbenzene	U		0.000287	0.00111	1	03/31/2018 05:57	WG1091812
sec-Butylbenzene	U		0.000223	0.00111	1	03/31/2018 05:57	WG1091812
tert-Butylbenzene	U		0.000229	0.00111	1	03/31/2018 05:57	WG1091812
Carbon disulfide	U		0.000246	0.00111	1	03/31/2018 05:57	WG1091812
Carbon tetrachloride	U		0.000365	0.00111	1	03/31/2018 05:57	WG1091812
Chlorobenzene	U		0.000236	0.00111	1	03/31/2018 05:57	WG1091812
Chlorodibromomethane	U		0.000415	0.00111	1	03/31/2018 05:57	WG1091812
Chloroethane	U		0.00105	0.00556	1	03/31/2018 05:57	WG1091812
Chloroform	U		0.000255	0.00556	1	03/31/2018 05:57	WG1091812
Chloromethane	U		0.000417	0.00278	1	03/31/2018 05:57	WG1091812
2-Chlorotoluene	U		0.000335	0.00111	1	03/31/2018 05:57	WG1091812
4-Chlorotoluene	U		0.000267	0.00111	1	03/31/2018 05:57	WG1091812
1,2-Dibromo-3-Chloropropane	U		0.00117	0.00556	1	03/31/2018 05:57	WG1091812
1,2-Dibromoethane	U		0.000381	0.00111	1	03/31/2018 05:57	WG1091812
Dibromomethane	U		0.000425	0.00111	1	03/31/2018 05:57	WG1091812
1,2-Dichlorobenzene	U		0.000339	0.00111	1	03/31/2018 05:57	WG1091812
1,3-Dichlorobenzene	U		0.000266	0.00111	1	03/31/2018 05:57	WG1091812
1,4-Dichlorobenzene	U		0.000251	0.00111	1	03/31/2018 05:57	WG1091812
Dichlorodifluoromethane	U		0.000792	0.00556	1	03/31/2018 05:57	WG1091812
1,1-Dichloroethane	U		0.000221	0.00111	1	03/31/2018 05:57	WG1091812
1,2-Dichloroethane	U		0.000295	0.00111	1	03/31/2018 05:57	WG1091812
1,1-Dichloroethene	U		0.000337	0.00111	1	03/31/2018 05:57	WG1091812
cis-1,2-Dichloroethene	0.0300		0.000261	0.00111	1	03/31/2018 05:57	WG1091812
trans-1,2-Dichloroethene	U		0.000293	0.00111	1	03/31/2018 05:57	WG1091812
1,2-Dichloropropane	U		0.000398	0.00111	1	03/31/2018 05:57	WG1091812
1,1-Dichloropropene	U		0.000352	0.00111	1	03/31/2018 05:57	WG1091812
1,3-Dichloropropane	U		0.000230	0.00111	1	03/31/2018 05:57	WG1091812
cis-1,3-Dichloropropene	U		0.000291	0.00111	1	03/31/2018 05:57	WG1091812
trans-1,3-Dichloropropene	U		0.000297	0.00111	1	03/31/2018 05:57	WG1091812
trans-1,4-Dichloro-2-butene	U		0.000865	0.00278	1	03/31/2018 05:57	WG1091812
2,2-Dichloropropane	U		0.000310	0.00111	1	03/31/2018 05:57	WG1091812
Di-isopropyl ether	U		0.000276	0.00111	1	03/31/2018 05:57	WG1091812
Ethylbenzene	U		0.000330	0.00111	1	03/31/2018 05:57	WG1091812
Hexachloro-1,3-butadiene	U		0.000380	0.00111	1	03/31/2018 05:57	WG1091812
2-Hexanone	U		0.00152	0.0111	1	03/31/2018 05:57	WG1091812
n-Hexane	U		0.000322	0.0111	1	03/31/2018 05:57	WG1091812
Iodomethane	U		0.00281	0.0111	1	03/31/2018 05:57	WG1091812
Isopropylbenzene	U		0.000270	0.00111	1	03/31/2018 05:57	WG1091812
p-Isopropyltoluene	U		0.000227	0.00111	1	03/31/2018 05:57	WG1091812
2-Butanone (MEK)	0.0116		0.00520	0.0111	1	03/31/2018 05:57	WG1091812
Methylene Chloride	U		0.00111	0.00556	1	03/31/2018 05:57	WG1091812
4-Methyl-2-pentanone (MIBK)	U		0.00209	0.0111	1	03/31/2018 05:57	WG1091812

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000236	0.00111	1	03/31/2018 05:57	WG1091812
Naphthalene	U		0.00111	0.00556	1	03/31/2018 05:57	WG1091812
n-Propylbenzene	U		0.000229	0.00111	1	03/31/2018 05:57	WG1091812
Styrene	U		0.000260	0.00111	1	03/31/2018 05:57	WG1091812
1,1,1,2-Tetrachloroethane	U		0.000293	0.00111	1	03/31/2018 05:57	WG1091812
1,1,2,2-Tetrachloroethane	U		0.000406	0.00111	1	03/31/2018 05:57	WG1091812
1,1,2-Trichlorotrifluoroethane	U		0.000406	0.00111	1	03/31/2018 05:57	WG1091812
Tetrachloroethene	0.00173		0.000307	0.00111	1	03/31/2018 05:57	WG1091812
Toluene	U		0.000482	0.00556	1	03/31/2018 05:57	WG1091812
1,2,3-Trichlorobenzene	U		0.000340	0.00111	1	03/31/2018 05:57	WG1091812
1,2,4-Trichlorobenzene	U		0.000431	0.00111	1	03/31/2018 05:57	WG1091812
1,1,1-Trichloroethane	U		0.000318	0.00111	1	03/31/2018 05:57	WG1091812
1,1,2-Trichloroethane	U		0.000308	0.00111	1	03/31/2018 05:57	WG1091812
Trichloroethene	U		0.000310	0.00111	1	03/31/2018 05:57	WG1091812
Trichlorofluoromethane	U		0.000425	0.00556	1	03/31/2018 05:57	WG1091812
1,2,3-Trichloropropane	U		0.000824	0.00278	1	03/31/2018 05:57	WG1091812
1,2,4-Trimethylbenzene	U		0.000235	0.00111	1	03/31/2018 05:57	WG1091812
1,2,3-Trimethylbenzene	U		0.000319	0.00111	1	03/31/2018 05:57	WG1091812
1,3,5-Trimethylbenzene	U		0.000296	0.00111	1	03/31/2018 05:57	WG1091812
Vinyl acetate	U		0.00266	0.0111	1	03/31/2018 05:57	WG1091812
Vinyl chloride	U		0.000323	0.00111	1	03/31/2018 05:57	WG1091812
Xylenes, Total	U		0.000776	0.00333	1	03/31/2018 05:57	WG1091812
(S) Toluene-d8	*108*			*80.0-120*		*04/01/2018 14:28*	WG1091812
(S) Toluene-d8	*100*			*80.0-120*		*03/31/2018 05:57*	WG1091812
(S) Dibromofluoromethane	*102*			*74.0-131*		*03/31/2018 05:57*	WG1091812
(S) Dibromofluoromethane	*97.1*			*74.0-131*		*04/01/2018 14:28*	WG1091812
(S) 4-Bromofluorobenzene	*101*			*64.0-132*		*03/31/2018 05:57*	WG1091812
(S) 4-Bromofluorobenzene	*89.7*			*64.0-132*		*04/01/2018 14:28*	WG1091812

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	92.4		1	04/02/2018 09:51	WG1092326

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0108	0.0541	1	03/31/2018 06:18	WG1091812
Acrylonitrile	U		0.00194	0.0108	1	03/31/2018 06:18	WG1091812
Benzene	U		0.000292	0.00108	1	03/31/2018 06:18	WG1091812
Bromobenzene	U		0.000307	0.00108	1	03/31/2018 06:18	WG1091812
Bromodichloromethane	U		0.000275	0.00108	1	03/31/2018 06:18	WG1091812
Bromochloromethane	U		0.000422	0.00541	1	03/31/2018 06:18	WG1091812
Bromoform	U		0.000459	0.00108	1	03/31/2018 06:18	WG1091812
Bromomethane	U		0.00145	0.00541	1	03/31/2018 06:18	WG1091812
n-Butylbenzene	U		0.000279	0.00108	1	03/31/2018 06:18	WG1091812
sec-Butylbenzene	U		0.000218	0.00108	1	03/31/2018 06:18	WG1091812
tert-Butylbenzene	U		0.000223	0.00108	1	03/31/2018 06:18	WG1091812
Carbon disulfide	U		0.000239	0.00108	1	03/31/2018 06:18	WG1091812
Carbon tetrachloride	U		0.000355	0.00108	1	03/31/2018 06:18	WG1091812
Chlorobenzene	U		0.000229	0.00108	1	03/31/2018 06:18	WG1091812
Chlorodibromomethane	U		0.000404	0.00108	1	03/31/2018 06:18	WG1091812
Chloroethane	U		0.00102	0.00541	1	03/31/2018 06:18	WG1091812
Chloroform	U		0.000248	0.00541	1	03/31/2018 06:18	WG1091812
Chloromethane	U		0.000406	0.00271	1	03/31/2018 06:18	WG1091812
2-Chlorotoluene	U		0.000326	0.00108	1	03/31/2018 06:18	WG1091812
4-Chlorotoluene	U		0.000260	0.00108	1	03/31/2018 06:18	WG1091812
1,2-Dibromo-3-Chloropropane	U		0.00114	0.00541	1	03/31/2018 06:18	WG1091812
1,2-Dibromoethane	U		0.000371	0.00108	1	03/31/2018 06:18	WG1091812
Dibromomethane	U		0.000413	0.00108	1	03/31/2018 06:18	WG1091812
1,2-Dichlorobenzene	U		0.000330	0.00108	1	03/31/2018 06:18	WG1091812
1,3-Dichlorobenzene	U		0.000259	0.00108	1	03/31/2018 06:18	WG1091812
1,4-Dichlorobenzene	U		0.000245	0.00108	1	03/31/2018 06:18	WG1091812
Dichlorodifluoromethane	U		0.000772	0.00541	1	03/31/2018 06:18	WG1091812
1,1-Dichloroethane	U		0.000215	0.00108	1	03/31/2018 06:18	WG1091812
1,2-Dichloroethane	U		0.000287	0.00108	1	03/31/2018 06:18	WG1091812
1,1-Dichloroethene	U		0.000328	0.00108	1	03/31/2018 06:18	WG1091812
cis-1,2-Dichloroethene	0.0836		0.000254	0.00108	1	03/31/2018 06:18	WG1091812
trans-1,2-Dichloroethene	0.000640	J	0.000286	0.00108	1	03/31/2018 06:18	WG1091812
1,2-Dichloropropane	U		0.000387	0.00108	1	03/31/2018 06:18	WG1091812
1,1-Dichloropropene	U		0.000343	0.00108	1	03/31/2018 06:18	WG1091812
1,3-Dichloropropane	U		0.000224	0.00108	1	03/31/2018 06:18	WG1091812
cis-1,3-Dichloropropene	U		0.000284	0.00108	1	03/31/2018 06:18	WG1091812
trans-1,3-Dichloropropene	U		0.000289	0.00108	1	03/31/2018 06:18	WG1091812
trans-1,4-Dichloro-2-butene	U		0.000842	0.00271	1	03/31/2018 06:18	WG1091812
2,2-Dichloropropane	U		0.000302	0.00108	1	03/31/2018 06:18	WG1091812
Di-isopropyl ether	U		0.000268	0.00108	1	03/31/2018 06:18	WG1091812
Ethylbenzene	U		0.000321	0.00108	1	03/31/2018 06:18	WG1091812
Hexachloro-1,3-butadiene	U		0.000370	0.00108	1	03/31/2018 06:18	WG1091812
2-Hexanone	U		0.00148	0.0108	1	03/31/2018 06:18	WG1091812
n-Hexane	U		0.000314	0.0108	1	03/31/2018 06:18	WG1091812
Iodomethane	U		0.00274	0.0108	1	03/31/2018 06:18	WG1091812
Isopropylbenzene	U		0.000263	0.00108	1	03/31/2018 06:18	WG1091812
p-Isopropyltoluene	U		0.000221	0.00108	1	03/31/2018 06:18	WG1091812
2-Butanone (MEK)	0.00600	J	0.00506	0.0108	1	03/31/2018 06:18	WG1091812
Methylene Chloride	U		0.00108	0.00541	1	03/31/2018 06:18	WG1091812
4-Methyl-2-pentanone (MIBK)	U		0.00203	0.0108	1	03/31/2018 06:18	WG1091812

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000229	0.00108	1	03/31/2018 06:18	WG1091812
Naphthalene	U		0.00108	0.00541	1	03/31/2018 06:18	WG1091812
n-Propylbenzene	U		0.000223	0.00108	1	03/31/2018 06:18	WG1091812
Styrene	U		0.000253	0.00108	1	03/31/2018 06:18	WG1091812
1,1,1,2-Tetrachloroethane	U		0.000286	0.00108	1	03/31/2018 06:18	WG1091812
1,1,2,2-Tetrachloroethane	U		0.000395	0.00108	1	03/31/2018 06:18	WG1091812
1,1,2-Trichlorotrifluoroethane	U		0.000395	0.00108	1	03/31/2018 06:18	WG1091812
Tetrachloroethene	0.0149		0.000299	0.00108	1	03/31/2018 06:18	WG1091812
Toluene	U		0.000470	0.00541	1	03/31/2018 06:18	WG1091812
1,2,3-Trichlorobenzene	U		0.000331	0.00108	1	03/31/2018 06:18	WG1091812
1,2,4-Trichlorobenzene	U		0.000420	0.00108	1	03/31/2018 06:18	WG1091812
1,1,1-Trichloroethane	U		0.000310	0.00108	1	03/31/2018 06:18	WG1091812
1,1,2-Trichloroethane	U		0.000300	0.00108	1	03/31/2018 06:18	WG1091812
Trichloroethene	0.00376		0.000302	0.00108	1	03/31/2018 06:18	WG1091812
Trichlorofluoromethane	U		0.000413	0.00541	1	03/31/2018 06:18	WG1091812
1,2,3-Trichloropropane	U		0.000802	0.00271	1	03/31/2018 06:18	WG1091812
1,2,4-Trimethylbenzene	U		0.000228	0.00108	1	03/31/2018 06:18	WG1091812
1,2,3-Trimethylbenzene	U		0.000311	0.00108	1	03/31/2018 06:18	WG1091812
1,3,5-Trimethylbenzene	U		0.000288	0.00108	1	03/31/2018 06:18	WG1091812
Vinyl acetate	U		0.00259	0.0108	1	03/31/2018 06:18	WG1091812
Vinyl chloride	U		0.000315	0.00108	1	03/31/2018 06:18	WG1091812
Xylenes, Total	U		0.000755	0.00325	1	03/31/2018 06:18	WG1091812
(S) Toluene-d8	*99.3*			*80.0-120*		*03/31/2018 06:18*	WG1091812
(S) Dibromofluoromethane	*106*			*74.0-131*		*03/31/2018 06:18*	WG1091812
(S) 4-Bromofluorobenzene	*103*			*64.0-132*		*03/31/2018 06:18*	WG1091812

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	92.1		1	04/02/2018 09:51	WG1092326

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.0706		0.0109	0.0543	1	03/31/2018 06:39	WG1091812
Acrylonitrile	U		0.00194	0.0109	1	03/31/2018 06:39	WG1091812
Benzene	U		0.000293	0.00109	1	03/31/2018 06:39	WG1091812
Bromobenzene	U		0.000308	0.00109	1	03/31/2018 06:39	WG1091812
Bromodichloromethane	U		0.000276	0.00109	1	03/31/2018 06:39	WG1091812
Bromochloromethane	U		0.000424	0.00543	1	03/31/2018 06:39	WG1091812
Bromoform	U		0.000460	0.00109	1	03/31/2018 06:39	WG1091812
Bromomethane	U		0.00146	0.00543	1	03/31/2018 06:39	WG1091812
n-Butylbenzene	U		0.000280	0.00109	1	03/31/2018 06:39	WG1091812
sec-Butylbenzene	U		0.000218	0.00109	1	03/31/2018 06:39	WG1091812
tert-Butylbenzene	U		0.000224	0.00109	1	03/31/2018 06:39	WG1091812
Carbon disulfide	0.000545	J	0.000240	0.00109	1	03/31/2018 06:39	WG1091812
Carbon tetrachloride	U		0.000356	0.00109	1	03/31/2018 06:39	WG1091812
Chlorobenzene	U		0.000230	0.00109	1	03/31/2018 06:39	WG1091812
Chlorodibromomethane	U		0.000405	0.00109	1	03/31/2018 06:39	WG1091812
Chloroethane	U		0.00103	0.00543	1	03/31/2018 06:39	WG1091812
Chloroform	U		0.000249	0.00543	1	03/31/2018 06:39	WG1091812
Chloromethane	U		0.000407	0.00272	1	03/31/2018 06:39	WG1091812
2-Chlorotoluene	U		0.000327	0.00109	1	03/31/2018 06:39	WG1091812
4-Chlorotoluene	U		0.000261	0.00109	1	03/31/2018 06:39	WG1091812
1,2-Dibromo-3-Chloropropane	U		0.00114	0.00543	1	03/31/2018 06:39	WG1091812
1,2-Dibromoethane	U		0.000373	0.00109	1	03/31/2018 06:39	WG1091812
Dibromomethane	U		0.000415	0.00109	1	03/31/2018 06:39	WG1091812
1,2-Dichlorobenzene	U		0.000331	0.00109	1	03/31/2018 06:39	WG1091812
1,3-Dichlorobenzene	U		0.000260	0.00109	1	03/31/2018 06:39	WG1091812
1,4-Dichlorobenzene	U		0.000245	0.00109	1	03/31/2018 06:39	WG1091812
Dichlorodifluoromethane	U		0.000774	0.00543	1	03/31/2018 06:39	WG1091812
1,1-Dichloroethane	U		0.000216	0.00109	1	03/31/2018 06:39	WG1091812
1,2-Dichloroethane	U		0.000288	0.00109	1	03/31/2018 06:39	WG1091812
1,1-Dichloroethene	U		0.000329	0.00109	1	03/31/2018 06:39	WG1091812
cis-1,2-Dichloroethene	0.0103		0.000255	0.00109	1	03/31/2018 06:39	WG1091812
trans-1,2-Dichloroethene	U		0.000287	0.00109	1	03/31/2018 06:39	WG1091812
1,2-Dichloropropane	U		0.000389	0.00109	1	03/31/2018 06:39	WG1091812
1,1-Dichloropropene	U		0.000344	0.00109	1	03/31/2018 06:39	WG1091812
1,3-Dichloropropane	U		0.000225	0.00109	1	03/31/2018 06:39	WG1091812
cis-1,3-Dichloropropene	U		0.000285	0.00109	1	03/31/2018 06:39	WG1091812
trans-1,3-Dichloropropene	U		0.000290	0.00109	1	03/31/2018 06:39	WG1091812
trans-1,4-Dichloro-2-butene	U		0.000845	0.00272	1	03/31/2018 06:39	WG1091812
2,2-Dichloropropane	U		0.000303	0.00109	1	03/31/2018 06:39	WG1091812
Di-isopropyl ether	U		0.000269	0.00109	1	03/31/2018 06:39	WG1091812
Ethylbenzene	U		0.000323	0.00109	1	03/31/2018 06:39	WG1091812
Hexachloro-1,3-butadiene	U		0.000371	0.00109	1	03/31/2018 06:39	WG1091812
2-Hexanone	U		0.00149	0.0109	1	03/31/2018 06:39	WG1091812
n-Hexane	U		0.000315	0.0109	1	03/31/2018 06:39	WG1091812
Iodomethane	U		0.00275	0.0109	1	03/31/2018 06:39	WG1091812
Isopropylbenzene	U		0.000264	0.00109	1	03/31/2018 06:39	WG1091812
p-Isopropyltoluene	U		0.000222	0.00109	1	03/31/2018 06:39	WG1091812
2-Butanone (MEK)	0.153		0.00508	0.0109	1	03/31/2018 06:39	WG1091812
Methylene Chloride	U		0.00109	0.00543	1	03/31/2018 06:39	WG1091812
4-Methyl-2-pentanone (MIBK)	U		0.00204	0.0109	1	03/31/2018 06:39	WG1091812

IW-50A-30

Collected date/time: 03/27/18 11:14

SAMPLE RESULTS - 10

L980954

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000230	0.00109	1	03/31/2018 06:39	WG1091812
Naphthalene	U		0.00109	0.00543	1	03/31/2018 06:39	WG1091812
n-Propylbenzene	U		0.000224	0.00109	1	03/31/2018 06:39	WG1091812
Styrene	U		0.000254	0.00109	1	03/31/2018 06:39	WG1091812
1,1,1,2-Tetrachloroethane	U		0.000287	0.00109	1	03/31/2018 06:39	WG1091812
1,1,2,2-Tetrachloroethane	U		0.000396	0.00109	1	03/31/2018 06:39	WG1091812
1,1,2-Trichlorotrifluoroethane	U		0.000396	0.00109	1	03/31/2018 06:39	WG1091812
Tetrachloroethene	0.00643		0.000300	0.00109	1	03/31/2018 06:39	WG1091812
Toluene	U		0.000471	0.00543	1	03/31/2018 06:39	WG1091812
1,2,3-Trichlorobenzene	U		0.000332	0.00109	1	03/31/2018 06:39	WG1091812
1,2,4-Trichlorobenzene	U		0.000421	0.00109	1	03/31/2018 06:39	WG1091812
1,1,1-Trichloroethane	U		0.000311	0.00109	1	03/31/2018 06:39	WG1091812
1,1,2-Trichloroethane	U		0.000301	0.00109	1	03/31/2018 06:39	WG1091812
Trichloroethene	0.00146		0.000303	0.00109	1	03/31/2018 06:39	WG1091812
Trichlorofluoromethane	U		0.000415	0.00543	1	03/31/2018 06:39	WG1091812
1,2,3-Trichloropropane	U		0.000805	0.00272	1	03/31/2018 06:39	WG1091812
1,2,4-Trimethylbenzene	U		0.000229	0.00109	1	03/31/2018 06:39	WG1091812
1,2,3-Trimethylbenzene	U		0.000312	0.00109	1	03/31/2018 06:39	WG1091812
1,3,5-Trimethylbenzene	U		0.000289	0.00109	1	03/31/2018 06:39	WG1091812
Vinyl acetate	U		0.00260	0.0109	1	03/31/2018 06:39	WG1091812
Vinyl chloride	U		0.000316	0.00109	1	03/31/2018 06:39	WG1091812
Xylenes, Total	U		0.000758	0.00326	1	03/31/2018 06:39	WG1091812
(S) Toluene-d8	*101*			*80.0-120*		*03/31/2018 06:39*	WG1091812
(S) Dibromofluoromethane	*106*			*74.0-131*		*03/31/2018 06:39*	WG1091812
(S) 4-Bromofluorobenzene	*103*			*64.0-132*		*03/31/2018 06:39*	WG1091812

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	91.8		1	04/02/2018 09:51	WG1092326

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.0368	J	0.0109	0.0544	1	03/31/2018 07:01	WG1091812
Acrylonitrile	U		0.00195	0.0109	1	03/31/2018 07:01	WG1091812
Benzene	U		0.000294	0.00109	1	03/31/2018 07:01	WG1091812
Bromobenzene	U		0.000309	0.00109	1	03/31/2018 07:01	WG1091812
Bromodichloromethane	U		0.000277	0.00109	1	03/31/2018 07:01	WG1091812
Bromochloromethane	U		0.000425	0.00544	1	03/31/2018 07:01	WG1091812
Bromoform	U		0.000462	0.00109	1	03/31/2018 07:01	WG1091812
Bromomethane	U		0.00146	0.00544	1	03/31/2018 07:01	WG1091812
n-Butylbenzene	U		0.000281	0.00109	1	03/31/2018 07:01	WG1091812
sec-Butylbenzene	U		0.000219	0.00109	1	03/31/2018 07:01	WG1091812
tert-Butylbenzene	U		0.000224	0.00109	1	03/31/2018 07:01	WG1091812
Carbon disulfide	0.000801	J	0.000241	0.00109	1	03/31/2018 07:01	WG1091812
Carbon tetrachloride	U		0.000357	0.00109	1	03/31/2018 07:01	WG1091812
Chlorobenzene	U		0.000231	0.00109	1	03/31/2018 07:01	WG1091812
Chlorodibromomethane	U		0.000406	0.00109	1	03/31/2018 07:01	WG1091812
Chloroethane	U		0.00103	0.00544	1	03/31/2018 07:01	WG1091812
Chloroform	U		0.000249	0.00544	1	03/31/2018 07:01	WG1091812
Chloromethane	U		0.000408	0.00272	1	03/31/2018 07:01	WG1091812
2-Chlorotoluene	U		0.000328	0.00109	1	03/31/2018 07:01	WG1091812
4-Chlorotoluene	U		0.000261	0.00109	1	03/31/2018 07:01	WG1091812
1,2-Dibromo-3-Chloropropane	U		0.00114	0.00544	1	03/31/2018 07:01	WG1091812
1,2-Dibromoethane	U		0.000373	0.00109	1	03/31/2018 07:01	WG1091812
Dibromomethane	U		0.000416	0.00109	1	03/31/2018 07:01	WG1091812
1,2-Dichlorobenzene	U		0.000332	0.00109	1	03/31/2018 07:01	WG1091812
1,3-Dichlorobenzene	U		0.000260	0.00109	1	03/31/2018 07:01	WG1091812
1,4-Dichlorobenzene	U		0.000246	0.00109	1	03/31/2018 07:01	WG1091812
Dichlorodifluoromethane	U		0.000776	0.00544	1	03/31/2018 07:01	WG1091812
1,1-Dichloroethane	U		0.000217	0.00109	1	03/31/2018 07:01	WG1091812
1,2-Dichloroethane	U		0.000289	0.00109	1	03/31/2018 07:01	WG1091812
1,1-Dichloroethene	U		0.000330	0.00109	1	03/31/2018 07:01	WG1091812
cis-1,2-Dichloroethene	0.0158		0.000256	0.00109	1	03/31/2018 07:01	WG1091812
trans-1,2-Dichloroethene	U		0.000287	0.00109	1	03/31/2018 07:01	WG1091812
1,2-Dichloropropane	U		0.000390	0.00109	1	03/31/2018 07:01	WG1091812
1,1-Dichloropropene	U		0.000345	0.00109	1	03/31/2018 07:01	WG1091812
1,3-Dichloropropane	U		0.000225	0.00109	1	03/31/2018 07:01	WG1091812
cis-1,3-Dichloropropene	U		0.000285	0.00109	1	03/31/2018 07:01	WG1091812
trans-1,3-Dichloropropene	U		0.000291	0.00109	1	03/31/2018 07:01	WG1091812
trans-1,4-Dichloro-2-butene	U		0.000847	0.00272	1	03/31/2018 07:01	WG1091812
2,2-Dichloropropane	U		0.000304	0.00109	1	03/31/2018 07:01	WG1091812
Di-isopropyl ether	U		0.000270	0.00109	1	03/31/2018 07:01	WG1091812
Ethylbenzene	U		0.000323	0.00109	1	03/31/2018 07:01	WG1091812
Hexachloro-1,3-butadiene	U		0.000372	0.00109	1	03/31/2018 07:01	WG1091812
2-Hexanone	U		0.00149	0.0109	1	03/31/2018 07:01	WG1091812
n-Hexane	0.00423	J	0.000316	0.0109	1	03/31/2018 07:01	WG1091812
Iodomethane	U		0.00275	0.0109	1	03/31/2018 07:01	WG1091812
Isopropylbenzene	U		0.000265	0.00109	1	03/31/2018 07:01	WG1091812
p-Isopropyltoluene	U		0.000222	0.00109	1	03/31/2018 07:01	WG1091812
2-Butanone (MEK)	0.0561		0.00510	0.0109	1	03/31/2018 07:01	WG1091812
Methylene Chloride	U		0.00109	0.00544	1	03/31/2018 07:01	WG1091812
4-Methyl-2-pentanone (MIBK)	U		0.00205	0.0109	1	03/31/2018 07:01	WG1091812

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000231	0.00109	1	03/31/2018 07:01	WG1091812
Naphthalene	U		0.00109	0.00544	1	03/31/2018 07:01	WG1091812
n-Propylbenzene	U		0.000224	0.00109	1	03/31/2018 07:01	WG1091812
Styrene	U		0.000255	0.00109	1	03/31/2018 07:01	WG1091812
1,1,1,2-Tetrachloroethane	U		0.000287	0.00109	1	03/31/2018 07:01	WG1091812
1,1,2,2-Tetrachloroethane	U		0.000397	0.00109	1	03/31/2018 07:01	WG1091812
1,1,2-Trichlorotrifluoroethane	U		0.000397	0.00109	1	03/31/2018 07:01	WG1091812
Tetrachloroethene	0.00599		0.000301	0.00109	1	03/31/2018 07:01	WG1091812
Toluene	U		0.000473	0.00544	1	03/31/2018 07:01	WG1091812
1,2,3-Trichlorobenzene	U		0.000333	0.00109	1	03/31/2018 07:01	WG1091812
1,2,4-Trichlorobenzene	U		0.000422	0.00109	1	03/31/2018 07:01	WG1091812
1,1,1-Trichloroethane	U		0.000311	0.00109	1	03/31/2018 07:01	WG1091812
1,1,2-Trichloroethane	U		0.000302	0.00109	1	03/31/2018 07:01	WG1091812
Trichloroethene	0.00158		0.000304	0.00109	1	03/31/2018 07:01	WG1091812
Trichlorofluoromethane	U		0.000416	0.00544	1	03/31/2018 07:01	WG1091812
1,2,3-Trichloropropane	U		0.000807	0.00272	1	03/31/2018 07:01	WG1091812
1,2,4-Trimethylbenzene	U		0.000230	0.00109	1	03/31/2018 07:01	WG1091812
1,2,3-Trimethylbenzene	U		0.000313	0.00109	1	03/31/2018 07:01	WG1091812
1,3,5-Trimethylbenzene	U		0.000290	0.00109	1	03/31/2018 07:01	WG1091812
Vinyl acetate	U		0.00260	0.0109	1	03/31/2018 07:01	WG1091812
Vinyl chloride	U		0.000317	0.00109	1	03/31/2018 07:01	WG1091812
Xylenes, Total	U		0.000760	0.00327	1	03/31/2018 07:01	WG1091812
(S) Toluene-d8	*99.2*			*80.0-120*		*03/31/2018 07:01*	WG1091812
(S) Dibromofluoromethane	*105*			*74.0-131*		*03/31/2018 07:01*	WG1091812
(S) 4-Bromofluorobenzene	*101*			*64.0-132*		*03/31/2018 07:01*	WG1091812

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	90.5		1	04/02/2018 09:51	WG1092326

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.0380	J	0.0110	0.0552	1	03/31/2018 07:22	WG1091812
Acrylonitrile	U		0.00198	0.0110	1	03/31/2018 07:22	WG1091812
Benzene	U		0.000298	0.00110	1	03/31/2018 07:22	WG1091812
Bromobenzene	U		0.000314	0.00110	1	03/31/2018 07:22	WG1091812
Bromodichloromethane	U		0.000281	0.00110	1	03/31/2018 07:22	WG1091812
Bromochloromethane	U		0.000431	0.00552	1	03/31/2018 07:22	WG1091812
Bromoform	U		0.000468	0.00110	1	03/31/2018 07:22	WG1091812
Bromomethane	U		0.00148	0.00552	1	03/31/2018 07:22	WG1091812
n-Butylbenzene	U		0.000285	0.00110	1	03/31/2018 07:22	WG1091812
sec-Butylbenzene	U		0.000222	0.00110	1	03/31/2018 07:22	WG1091812
tert-Butylbenzene	U		0.000228	0.00110	1	03/31/2018 07:22	WG1091812
Carbon disulfide	0.000945	J	0.000244	0.00110	1	03/31/2018 07:22	WG1091812
Carbon tetrachloride	U		0.000362	0.00110	1	03/31/2018 07:22	WG1091812
Chlorobenzene	U		0.000234	0.00110	1	03/31/2018 07:22	WG1091812
Chlorodibromomethane	U		0.000412	0.00110	1	03/31/2018 07:22	WG1091812
Chloroethane	U		0.00105	0.00552	1	03/31/2018 07:22	WG1091812
Chloroform	U		0.000253	0.00552	1	03/31/2018 07:22	WG1091812
Chloromethane	U		0.000414	0.00276	1	03/31/2018 07:22	WG1091812
2-Chlorotoluene	U		0.000333	0.00110	1	03/31/2018 07:22	WG1091812
4-Chlorotoluene	U		0.000265	0.00110	1	03/31/2018 07:22	WG1091812
1,2-Dibromo-3-Chloropropane	U		0.00116	0.00552	1	03/31/2018 07:22	WG1091812
1,2-Dibromoethane	U		0.000379	0.00110	1	03/31/2018 07:22	WG1091812
Dibromomethane	U		0.000422	0.00110	1	03/31/2018 07:22	WG1091812
1,2-Dichlorobenzene	U		0.000337	0.00110	1	03/31/2018 07:22	WG1091812
1,3-Dichlorobenzene	U		0.000264	0.00110	1	03/31/2018 07:22	WG1091812
1,4-Dichlorobenzene	U		0.000250	0.00110	1	03/31/2018 07:22	WG1091812
Dichlorodifluoromethane	U		0.000788	0.00552	1	03/31/2018 07:22	WG1091812
1,1-Dichloroethane	U		0.000220	0.00110	1	03/31/2018 07:22	WG1091812
1,2-Dichloroethane	U		0.000293	0.00110	1	03/31/2018 07:22	WG1091812
1,1-Dichloroethene	U		0.000335	0.00110	1	03/31/2018 07:22	WG1091812
cis-1,2-Dichloroethene	0.0273		0.000260	0.00110	1	03/31/2018 07:22	WG1091812
trans-1,2-Dichloroethene	U		0.000292	0.00110	1	03/31/2018 07:22	WG1091812
1,2-Dichloropropane	U		0.000396	0.00110	1	03/31/2018 07:22	WG1091812
1,1-Dichloropropene	U		0.000350	0.00110	1	03/31/2018 07:22	WG1091812
1,3-Dichloropropane	U		0.000229	0.00110	1	03/31/2018 07:22	WG1091812
cis-1,3-Dichloropropene	U		0.000289	0.00110	1	03/31/2018 07:22	WG1091812
trans-1,3-Dichloropropene	U		0.000295	0.00110	1	03/31/2018 07:22	WG1091812
trans-1,4-Dichloro-2-butene	U		0.000860	0.00276	1	03/31/2018 07:22	WG1091812
2,2-Dichloropropane	U		0.000308	0.00110	1	03/31/2018 07:22	WG1091812
Di-isopropyl ether	U		0.000274	0.00110	1	03/31/2018 07:22	WG1091812
Ethylbenzene	U		0.000328	0.00110	1	03/31/2018 07:22	WG1091812
Hexachloro-1,3-butadiene	U		0.000378	0.00110	1	03/31/2018 07:22	WG1091812
2-Hexanone	U		0.00151	0.0110	1	03/31/2018 07:22	WG1091812
n-Hexane	U		0.000320	0.0110	1	03/31/2018 07:22	WG1091812
Iodomethane	U		0.00280	0.0110	1	03/31/2018 07:22	WG1091812
Isopropylbenzene	U		0.000268	0.00110	1	03/31/2018 07:22	WG1091812
p-Isopropyltoluene	U		0.000225	0.00110	1	03/31/2018 07:22	WG1091812
2-Butanone (MEK)	0.0513		0.00517	0.0110	1	03/31/2018 07:22	WG1091812
Methylene Chloride	U		0.00110	0.00552	1	03/31/2018 07:22	WG1091812
4-Methyl-2-pentanone (MIBK)	U		0.00208	0.0110	1	03/31/2018 07:22	WG1091812

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000234	0.00110	1	03/31/2018 07:22	WG1091812
Naphthalene	U		0.00110	0.00552	1	03/31/2018 07:22	WG1091812
n-Propylbenzene	U		0.000228	0.00110	1	03/31/2018 07:22	WG1091812
Styrene	U		0.000259	0.00110	1	03/31/2018 07:22	WG1091812
1,1,1,2-Tetrachloroethane	U		0.000292	0.00110	1	03/31/2018 07:22	WG1091812
1,1,2,2-Tetrachloroethane	U		0.000403	0.00110	1	03/31/2018 07:22	WG1091812
1,1,2-Trichlorotrifluoroethane	U		0.000403	0.00110	1	03/31/2018 07:22	WG1091812
Tetrachloroethene	0.00647		0.000305	0.00110	1	03/31/2018 07:22	WG1091812
Toluene	U		0.000480	0.00552	1	03/31/2018 07:22	WG1091812
1,2,3-Trichlorobenzene	U		0.000338	0.00110	1	03/31/2018 07:22	WG1091812
1,2,4-Trichlorobenzene	U		0.000429	0.00110	1	03/31/2018 07:22	WG1091812
1,1,1-Trichloroethane	U		0.000316	0.00110	1	03/31/2018 07:22	WG1091812
1,1,2-Trichloroethane	U		0.000306	0.00110	1	03/31/2018 07:22	WG1091812
Trichloroethene	0.00188		0.000308	0.00110	1	03/31/2018 07:22	WG1091812
Trichlorofluoromethane	U		0.000422	0.00552	1	03/31/2018 07:22	WG1091812
1,2,3-Trichloropropane	U		0.000819	0.00276	1	03/31/2018 07:22	WG1091812
1,2,4-Trimethylbenzene	U		0.000233	0.00110	1	03/31/2018 07:22	WG1091812
1,2,3-Trimethylbenzene	U		0.000317	0.00110	1	03/31/2018 07:22	WG1091812
1,3,5-Trimethylbenzene	U		0.000294	0.00110	1	03/31/2018 07:22	WG1091812
Vinyl acetate	U		0.00264	0.0110	1	03/31/2018 07:22	WG1091812
Vinyl chloride	U		0.000322	0.00110	1	03/31/2018 07:22	WG1091812
Xylenes, Total	U		0.000771	0.00331	1	03/31/2018 07:22	WG1091812
(S) Toluene-d8	*99.9*			*80.0-120*		*03/31/2018 07:22*	WG1091812
(S) Dibromofluoromethane	*107*			*74.0-131*		*03/31/2018 07:22*	WG1091812
(S) 4-Bromofluorobenzene	*104*			*64.0-132*		*03/31/2018 07:22*	WG1091812

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	91.0		1	04/02/2018 09:51	WG1092326

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.0140	J	0.0110	0.0549	1	03/31/2018 07:43	WG1091812
Acrylonitrile	U		0.00197	0.0110	1	03/31/2018 07:43	WG1091812
Benzene	U		0.000297	0.00110	1	03/31/2018 07:43	WG1091812
Bromobenzene	U		0.000312	0.00110	1	03/31/2018 07:43	WG1091812
Bromodichloromethane	U		0.000279	0.00110	1	03/31/2018 07:43	WG1091812
Bromochloromethane	U		0.000428	0.00549	1	03/31/2018 07:43	WG1091812
Bromoform	U		0.000466	0.00110	1	03/31/2018 07:43	WG1091812
Bromomethane	U		0.00147	0.00549	1	03/31/2018 07:43	WG1091812
n-Butylbenzene	U		0.000283	0.00110	1	03/31/2018 07:43	WG1091812
sec-Butylbenzene	U		0.000221	0.00110	1	03/31/2018 07:43	WG1091812
tert-Butylbenzene	U		0.000226	0.00110	1	03/31/2018 07:43	WG1091812
Carbon disulfide	0.000639	J	0.000243	0.00110	1	03/31/2018 07:43	WG1091812
Carbon tetrachloride	U		0.000360	0.00110	1	03/31/2018 07:43	WG1091812
Chlorobenzene	U		0.000233	0.00110	1	03/31/2018 07:43	WG1091812
Chlorodibromomethane	U		0.000410	0.00110	1	03/31/2018 07:43	WG1091812
Chloroethane	U		0.00104	0.00549	1	03/31/2018 07:43	WG1091812
Chloroform	U		0.000252	0.00549	1	03/31/2018 07:43	WG1091812
Chloromethane	U		0.000412	0.00275	1	03/31/2018 07:43	WG1091812
2-Chlorotoluene	U		0.000331	0.00110	1	03/31/2018 07:43	WG1091812
4-Chlorotoluene	U		0.000264	0.00110	1	03/31/2018 07:43	WG1091812
1,2-Dibromo-3-Chloropropane	U		0.00115	0.00549	1	03/31/2018 07:43	WG1091812
1,2-Dibromoethane	U		0.000377	0.00110	1	03/31/2018 07:43	WG1091812
Dibromomethane	U		0.000420	0.00110	1	03/31/2018 07:43	WG1091812
1,2-Dichlorobenzene	U		0.000335	0.00110	1	03/31/2018 07:43	WG1091812
1,3-Dichlorobenzene	U		0.000263	0.00110	1	03/31/2018 07:43	WG1091812
1,4-Dichlorobenzene	U		0.000248	0.00110	1	03/31/2018 07:43	WG1091812
Dichlorodifluoromethane	U		0.000783	0.00549	1	03/31/2018 07:43	WG1091812
1,1-Dichloroethane	U		0.000219	0.00110	1	03/31/2018 07:43	WG1091812
1,2-Dichloroethane	U		0.000291	0.00110	1	03/31/2018 07:43	WG1091812
1,1-Dichloroethene	0.000417	J	0.000333	0.00110	1	03/31/2018 07:43	WG1091812
cis-1,2-Dichloroethene	0.0970		0.000258	0.00110	1	03/31/2018 07:43	WG1091812
trans-1,2-Dichloroethene	U		0.000290	0.00110	1	03/31/2018 07:43	WG1091812
1,2-Dichloropropane	U		0.000393	0.00110	1	03/31/2018 07:43	WG1091812
1,1-Dichloropropene	U		0.000348	0.00110	1	03/31/2018 07:43	WG1091812
1,3-Dichloropropane	U		0.000227	0.00110	1	03/31/2018 07:43	WG1091812
cis-1,3-Dichloropropene	U		0.000288	0.00110	1	03/31/2018 07:43	WG1091812
trans-1,3-Dichloropropene	U		0.000293	0.00110	1	03/31/2018 07:43	WG1091812
trans-1,4-Dichloro-2-butene	U		0.000855	0.00275	1	03/31/2018 07:43	WG1091812
2,2-Dichloropropane	U		0.000306	0.00110	1	03/31/2018 07:43	WG1091812
Di-isopropyl ether	U		0.000272	0.00110	1	03/31/2018 07:43	WG1091812
Ethylbenzene	U		0.000326	0.00110	1	03/31/2018 07:43	WG1091812
Hexachloro-1,3-butadiene	U		0.000376	0.00110	1	03/31/2018 07:43	WG1091812
2-Hexanone	U		0.00150	0.0110	1	03/31/2018 07:43	WG1091812
n-Hexane	U		0.000319	0.0110	1	03/31/2018 07:43	WG1091812
Iodomethane	U		0.00278	0.0110	1	03/31/2018 07:43	WG1091812
Isopropylbenzene	U		0.000267	0.00110	1	03/31/2018 07:43	WG1091812
p-Isopropyltoluene	U		0.000224	0.00110	1	03/31/2018 07:43	WG1091812
2-Butanone (MEK)	0.0253		0.00514	0.0110	1	03/31/2018 07:43	WG1091812
Methylene Chloride	U		0.00110	0.00549	1	03/31/2018 07:43	WG1091812
4-Methyl-2-pentanone (MIBK)	U		0.00207	0.0110	1	03/31/2018 07:43	WG1091812

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000233	0.00110	1	03/31/2018 07:43	WG1091812
Naphthalene	U		0.00110	0.00549	1	03/31/2018 07:43	WG1091812
n-Propylbenzene	U		0.000226	0.00110	1	03/31/2018 07:43	WG1091812
Styrene	U		0.000257	0.00110	1	03/31/2018 07:43	WG1091812
1,1,1,2-Tetrachloroethane	U		0.000290	0.00110	1	03/31/2018 07:43	WG1091812
1,1,2,2-Tetrachloroethane	U		0.000401	0.00110	1	03/31/2018 07:43	WG1091812
1,1,2-Trichlorotrifluoroethane	U		0.000401	0.00110	1	03/31/2018 07:43	WG1091812
Tetrachloroethene	0.0263		0.000303	0.00110	1	03/31/2018 07:43	WG1091812
Toluene	U		0.000477	0.00549	1	03/31/2018 07:43	WG1091812
1,2,3-Trichlorobenzene	U		0.000336	0.00110	1	03/31/2018 07:43	WG1091812
1,2,4-Trichlorobenzene	U		0.000426	0.00110	1	03/31/2018 07:43	WG1091812
1,1,1-Trichloroethane	U		0.000314	0.00110	1	03/31/2018 07:43	WG1091812
1,1,2-Trichloroethane	U		0.000304	0.00110	1	03/31/2018 07:43	WG1091812
Trichloroethene	0.00273		0.000306	0.00110	1	03/31/2018 07:43	WG1091812
Trichlorofluoromethane	U		0.000420	0.00549	1	03/31/2018 07:43	WG1091812
1,2,3-Trichloropropane	U		0.000814	0.00275	1	03/31/2018 07:43	WG1091812
1,2,4-Trimethylbenzene	U		0.000232	0.00110	1	03/31/2018 07:43	WG1091812
1,2,3-Trimethylbenzene	U		0.000315	0.00110	1	03/31/2018 07:43	WG1091812
1,3,5-Trimethylbenzene	U		0.000292	0.00110	1	03/31/2018 07:43	WG1091812
Vinyl acetate	U		0.00263	0.0110	1	03/31/2018 07:43	WG1091812
Vinyl chloride	0.00893		0.000320	0.00110	1	03/31/2018 07:43	WG1091812
Xylenes, Total	U		0.000767	0.00330	1	03/31/2018 07:43	WG1091812
(S) Toluene-d8	*100*			*80.0-120*		*03/31/2018 07:43*	WG1091812
(S) Dibromofluoromethane	*103*			*74.0-131*		*03/31/2018 07:43*	WG1091812
(S) 4-Bromofluorobenzene	*104*			*64.0-132*		*03/31/2018 07:43*	WG1091812

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	90.3		1	04/02/2018 09:51	WG1092326

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.0558		0.0111	0.0554	1	03/31/2018 08:04	WG1091812
Acrylonitrile	U		0.00198	0.0111	1	03/31/2018 08:04	WG1091812
Benzene	U		0.000299	0.00111	1	03/31/2018 08:04	WG1091812
Bromobenzene	U		0.000314	0.00111	1	03/31/2018 08:04	WG1091812
Bromodichloromethane	U		0.000281	0.00111	1	03/31/2018 08:04	WG1091812
Bromochloromethane	U		0.000432	0.00554	1	03/31/2018 08:04	WG1091812
Bromoform	U		0.000469	0.00111	1	03/31/2018 08:04	WG1091812
Bromomethane	U		0.00148	0.00554	1	03/31/2018 08:04	WG1091812
n-Butylbenzene	U		0.000286	0.00111	1	03/31/2018 08:04	WG1091812
sec-Butylbenzene	U		0.000223	0.00111	1	03/31/2018 08:04	WG1091812
tert-Butylbenzene	U		0.000228	0.00111	1	03/31/2018 08:04	WG1091812
Carbon disulfide	0.00176		0.000245	0.00111	1	03/31/2018 08:04	WG1091812
Carbon tetrachloride	U		0.000363	0.00111	1	03/31/2018 08:04	WG1091812
Chlorobenzene	U		0.000235	0.00111	1	03/31/2018 08:04	WG1091812
Chlorodibromomethane	U		0.000413	0.00111	1	03/31/2018 08:04	WG1091812
Chloroethane	U		0.00105	0.00554	1	03/31/2018 08:04	WG1091812
Chloroform	U		0.000254	0.00554	1	03/31/2018 08:04	WG1091812
Chloromethane	U		0.000415	0.00277	1	03/31/2018 08:04	WG1091812
2-Chlorotoluene	U		0.000333	0.00111	1	03/31/2018 08:04	WG1091812
4-Chlorotoluene	U		0.000266	0.00111	1	03/31/2018 08:04	WG1091812
1,2-Dibromo-3-Chloropropane	U		0.00116	0.00554	1	03/31/2018 08:04	WG1091812
1,2-Dibromoethane	U		0.000380	0.00111	1	03/31/2018 08:04	WG1091812
Dibromomethane	U		0.000423	0.00111	1	03/31/2018 08:04	WG1091812
1,2-Dichlorobenzene	U		0.000338	0.00111	1	03/31/2018 08:04	WG1091812
1,3-Dichlorobenzene	U		0.000265	0.00111	1	03/31/2018 08:04	WG1091812
1,4-Dichlorobenzene	U		0.000250	0.00111	1	03/31/2018 08:04	WG1091812
Dichlorodifluoromethane	U		0.000789	0.00554	1	03/31/2018 08:04	WG1091812
1,1-Dichloroethane	U		0.000220	0.00111	1	03/31/2018 08:04	WG1091812
1,2-Dichloroethane	U		0.000293	0.00111	1	03/31/2018 08:04	WG1091812
1,1-Dichloroethene	0.000654	J	0.000336	0.00111	1	03/31/2018 08:04	WG1091812
cis-1,2-Dichloroethene	0.350		0.00651	0.0277	25	04/01/2018 15:47	WG1091812
trans-1,2-Dichloroethene	U		0.000292	0.00111	1	03/31/2018 08:04	WG1091812
1,2-Dichloropropane	U		0.000396	0.00111	1	03/31/2018 08:04	WG1091812
1,1-Dichloropropene	U		0.000351	0.00111	1	03/31/2018 08:04	WG1091812
1,3-Dichloropropane	U		0.000229	0.00111	1	03/31/2018 08:04	WG1091812
cis-1,3-Dichloropropene	U		0.000290	0.00111	1	03/31/2018 08:04	WG1091812
trans-1,3-Dichloropropene	U		0.000296	0.00111	1	03/31/2018 08:04	WG1091812
trans-1,4-Dichloro-2-butene	U		0.000861	0.00277	1	03/31/2018 08:04	WG1091812
2,2-Dichloropropane	U		0.000309	0.00111	1	03/31/2018 08:04	WG1091812
Di-isopropyl ether	U		0.000275	0.00111	1	03/31/2018 08:04	WG1091812
Ethylbenzene	U		0.000329	0.00111	1	03/31/2018 08:04	WG1091812
Hexachloro-1,3-butadiene	U		0.000379	0.00111	1	03/31/2018 08:04	WG1091812
2-Hexanone	U		0.00152	0.0111	1	03/31/2018 08:04	WG1091812
n-Hexane	U		0.000321	0.0111	1	03/31/2018 08:04	WG1091812
Iodomethane	U		0.00280	0.0111	1	03/31/2018 08:04	WG1091812
Isopropylbenzene	U		0.000269	0.00111	1	03/31/2018 08:04	WG1091812
p-Isopropyltoluene	U		0.000226	0.00111	1	03/31/2018 08:04	WG1091812
2-Butanone (MEK)	0.0783		0.00518	0.0111	1	03/31/2018 08:04	WG1091812
Methylene Chloride	U		0.00111	0.00554	1	03/31/2018 08:04	WG1091812
4-Methyl-2-pentanone (MIBK)	U		0.00208	0.0111	1	03/31/2018 08:04	WG1091812

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000235	0.00111	1	03/31/2018 08:04	WG1091812
Naphthalene	U		0.00111	0.00554	1	03/31/2018 08:04	WG1091812
n-Propylbenzene	U		0.000228	0.00111	1	03/31/2018 08:04	WG1091812
Styrene	U		0.000259	0.00111	1	03/31/2018 08:04	WG1091812
1,1,1,2-Tetrachloroethane	U		0.000292	0.00111	1	03/31/2018 08:04	WG1091812
1,1,2,2-Tetrachloroethane	U		0.000404	0.00111	1	03/31/2018 08:04	WG1091812
1,1,2-Trichlorotrifluoroethane	U		0.000404	0.00111	1	03/31/2018 08:04	WG1091812
Tetrachloroethene	2.10		0.00764	0.0277	25	04/01/2018 15:47	WG1091812
Toluene	U		0.000481	0.00554	1	03/31/2018 08:04	WG1091812
1,2,3-Trichlorobenzene	U		0.000339	0.00111	1	03/31/2018 08:04	WG1091812
1,2,4-Trichlorobenzene	U		0.000430	0.00111	1	03/31/2018 08:04	WG1091812
1,1,1-Trichloroethane	U		0.000317	0.00111	1	03/31/2018 08:04	WG1091812
1,1,2-Trichloroethane	U		0.000307	0.00111	1	03/31/2018 08:04	WG1091812
Trichloroethene	0.0367		0.000309	0.00111	1	03/31/2018 08:04	WG1091812
Trichlorofluoromethane	U		0.000423	0.00554	1	03/31/2018 08:04	WG1091812
1,2,3-Trichloropropane	U		0.000820	0.00277	1	03/31/2018 08:04	WG1091812
1,2,4-Trimethylbenzene	U		0.000234	0.00111	1	03/31/2018 08:04	WG1091812
1,2,3-Trimethylbenzene	U		0.000318	0.00111	1	03/31/2018 08:04	WG1091812
1,3,5-Trimethylbenzene	U		0.000295	0.00111	1	03/31/2018 08:04	WG1091812
Vinyl acetate	U		0.00265	0.0111	1	03/31/2018 08:04	WG1091812
Vinyl chloride	0.00501		0.000322	0.00111	1	03/31/2018 08:04	WG1091812
Xylenes, Total	U		0.000773	0.00332	1	03/31/2018 08:04	WG1091812
(S) Toluene-d8	*105*			*80.0-120*		*04/01/2018 15:47*	WG1091812
(S) Toluene-d8	*100*			*80.0-120*		*03/31/2018 08:04*	WG1091812
(S) Dibromofluoromethane	*106*			*74.0-131*		*03/31/2018 08:04*	WG1091812
(S) Dibromofluoromethane	*94.0*			*74.0-131*		*04/01/2018 15:47*	WG1091812
(S) 4-Bromofluorobenzene	*88.6*			*64.0-132*		*04/01/2018 15:47*	WG1091812
(S) 4-Bromofluorobenzene	*107*			*64.0-132*		*03/31/2018 08:04*	WG1091812

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	89.1		1	04/02/2018 09:51	WG1092326

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.0337	J	0.0112	0.0561	1	03/31/2018 08:25	WG1091812
Acrylonitrile	U		0.00201	0.0112	1	03/31/2018 08:25	WG1091812
Benzene	U		0.000303	0.00112	1	03/31/2018 08:25	WG1091812
Bromobenzene	U		0.000319	0.00112	1	03/31/2018 08:25	WG1091812
Bromodichloromethane	U		0.000285	0.00112	1	03/31/2018 08:25	WG1091812
Bromochloromethane	U		0.000438	0.00561	1	03/31/2018 08:25	WG1091812
Bromoform	U		0.000476	0.00112	1	03/31/2018 08:25	WG1091812
Bromomethane	U		0.00150	0.00561	1	03/31/2018 08:25	WG1091812
n-Butylbenzene	U		0.000289	0.00112	1	03/31/2018 08:25	WG1091812
sec-Butylbenzene	U		0.000226	0.00112	1	03/31/2018 08:25	WG1091812
tert-Butylbenzene	U		0.000231	0.00112	1	03/31/2018 08:25	WG1091812
Carbon disulfide	0.00122		0.000248	0.00112	1	03/31/2018 08:25	WG1091812
Carbon tetrachloride	U		0.000368	0.00112	1	03/31/2018 08:25	WG1091812
Chlorobenzene	U		0.000238	0.00112	1	03/31/2018 08:25	WG1091812
Chlorodibromomethane	U		0.000418	0.00112	1	03/31/2018 08:25	WG1091812
Chloroethane	U		0.00106	0.00561	1	03/31/2018 08:25	WG1091812
Chloroform	U		0.000257	0.00561	1	03/31/2018 08:25	WG1091812
Chloromethane	U		0.000421	0.00280	1	03/31/2018 08:25	WG1091812
2-Chlorotoluene	U		0.000338	0.00112	1	03/31/2018 08:25	WG1091812
4-Chlorotoluene	U		0.000269	0.00112	1	03/31/2018 08:25	WG1091812
1,2-Dibromo-3-Chloropropane	U		0.00118	0.00561	1	03/31/2018 08:25	WG1091812
1,2-Dibromoethane	U		0.000385	0.00112	1	03/31/2018 08:25	WG1091812
Dibromomethane	U		0.000429	0.00112	1	03/31/2018 08:25	WG1091812
1,2-Dichlorobenzene	U		0.000342	0.00112	1	03/31/2018 08:25	WG1091812
1,3-Dichlorobenzene	U		0.000268	0.00112	1	03/31/2018 08:25	WG1091812
1,4-Dichlorobenzene	U		0.000254	0.00112	1	03/31/2018 08:25	WG1091812
Dichlorodifluoromethane	U		0.000800	0.00561	1	03/31/2018 08:25	WG1091812
1,1-Dichloroethane	U		0.000223	0.00112	1	03/31/2018 08:25	WG1091812
1,2-Dichloroethane	U		0.000297	0.00112	1	03/31/2018 08:25	WG1091812
1,1-Dichloroethene	0.000430	J	0.000340	0.00112	1	03/31/2018 08:25	WG1091812
cis-1,2-Dichloroethene	0.621		0.00660	0.0280	25	04/01/2018 16:07	WG1091812
trans-1,2-Dichloroethene	U		0.000296	0.00112	1	03/31/2018 08:25	WG1091812
1,2-Dichloropropane	U		0.000402	0.00112	1	03/31/2018 08:25	WG1091812
1,1-Dichloropropene	U		0.000356	0.00112	1	03/31/2018 08:25	WG1091812
1,3-Dichloropropane	U		0.000232	0.00112	1	03/31/2018 08:25	WG1091812
cis-1,3-Dichloropropene	U		0.000294	0.00112	1	03/31/2018 08:25	WG1091812
trans-1,3-Dichloropropene	U		0.000300	0.00112	1	03/31/2018 08:25	WG1091812
trans-1,4-Dichloro-2-butene	U		0.000873	0.00280	1	03/31/2018 08:25	WG1091812
2,2-Dichloropropane	U		0.000313	0.00112	1	03/31/2018 08:25	WG1091812
Di-isopropyl ether	U		0.000278	0.00112	1	03/31/2018 08:25	WG1091812
Ethylbenzene	U		0.000333	0.00112	1	03/31/2018 08:25	WG1091812
Hexachloro-1,3-butadiene	U		0.000384	0.00112	1	03/31/2018 08:25	WG1091812
2-Hexanone	U		0.00154	0.0112	1	03/31/2018 08:25	WG1091812
n-Hexane	U		0.000325	0.0112	1	03/31/2018 08:25	WG1091812
Iodomethane	U		0.00284	0.0112	1	03/31/2018 08:25	WG1091812
Isopropylbenzene	U		0.000273	0.00112	1	03/31/2018 08:25	WG1091812
p-Isopropyltoluene	U		0.000229	0.00112	1	03/31/2018 08:25	WG1091812
2-Butanone (MEK)	0.0460		0.00525	0.0112	1	03/31/2018 08:25	WG1091812
Methylene Chloride	U		0.00112	0.00561	1	03/31/2018 08:25	WG1091812
4-Methyl-2-pentanone (MIBK)	U		0.00211	0.0112	1	03/31/2018 08:25	WG1091812

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000238	0.00112	1	03/31/2018 08:25	WG1091812
Naphthalene	U		0.00112	0.00561	1	03/31/2018 08:25	WG1091812
n-Propylbenzene	U		0.000231	0.00112	1	03/31/2018 08:25	WG1091812
Styrene	U		0.000263	0.00112	1	03/31/2018 08:25	WG1091812
1,1,1,2-Tetrachloroethane	U		0.000296	0.00112	1	03/31/2018 08:25	WG1091812
1,1,2,2-Tetrachloroethane	U		0.000410	0.00112	1	03/31/2018 08:25	WG1091812
1,1,2-Trichlorotrifluoroethane	U		0.000410	0.00112	1	03/31/2018 08:25	WG1091812
Tetrachloroethene	2.67		0.00774	0.0280	25	04/01/2018 16:07	WG1091812
Toluene	U		0.000487	0.00561	1	03/31/2018 08:25	WG1091812
1,2,3-Trichlorobenzene	U		0.000343	0.00112	1	03/31/2018 08:25	WG1091812
1,2,4-Trichlorobenzene	U		0.000435	0.00112	1	03/31/2018 08:25	WG1091812
1,1,1-Trichloroethane	U		0.000321	0.00112	1	03/31/2018 08:25	WG1091812
1,1,2-Trichloroethane	U		0.000311	0.00112	1	03/31/2018 08:25	WG1091812
Trichloroethene	0.0210		0.000313	0.00112	1	03/31/2018 08:25	WG1091812
Trichlorofluoromethane	U		0.000429	0.00561	1	03/31/2018 08:25	WG1091812
1,2,3-Trichloropropane	U		0.000831	0.00280	1	03/31/2018 08:25	WG1091812
1,2,4-Trimethylbenzene	U		0.000237	0.00112	1	03/31/2018 08:25	WG1091812
1,2,3-Trimethylbenzene	U		0.000322	0.00112	1	03/31/2018 08:25	WG1091812
1,3,5-Trimethylbenzene	U		0.000298	0.00112	1	03/31/2018 08:25	WG1091812
Vinyl acetate	U		0.00268	0.0112	1	03/31/2018 08:25	WG1091812
Vinyl chloride	0.0112		0.000326	0.00112	1	03/31/2018 08:25	WG1091812
Xylenes, Total	U		0.000783	0.00337	1	03/31/2018 08:25	WG1091812
(S) Toluene-d8	*107*			*80.0-120*		*04/01/2018 16:07*	WG1091812
(S) Toluene-d8	*102*			*80.0-120*		*03/31/2018 08:25*	WG1091812
(S) Dibromofluoromethane	*91.4*			*74.0-131*		*04/01/2018 16:07*	WG1091812
(S) Dibromofluoromethane	*106*			*74.0-131*		*03/31/2018 08:25*	WG1091812
(S) 4-Bromofluorobenzene	*107*			*64.0-132*		*03/31/2018 08:25*	WG1091812
(S) 4-Bromofluorobenzene	*87.0*			*64.0-132*		*04/01/2018 16:07*	WG1091812

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	88.9		1	04/02/2018 09:51	WG1092326

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.0191	J	0.0113	0.0563	1	03/31/2018 08:46	WG1091812
Acrylonitrile	U		0.00201	0.0113	1	03/31/2018 08:46	WG1091812
Benzene	U		0.000304	0.00113	1	03/31/2018 08:46	WG1091812
Bromobenzene	U		0.000320	0.00113	1	03/31/2018 08:46	WG1091812
Bromodichloromethane	U		0.000286	0.00113	1	03/31/2018 08:46	WG1091812
Bromochloromethane	U		0.000439	0.00563	1	03/31/2018 08:46	WG1091812
Bromoform	U		0.000477	0.00113	1	03/31/2018 08:46	WG1091812
Bromomethane	U		0.00151	0.00563	1	03/31/2018 08:46	WG1091812
n-Butylbenzene	U		0.000290	0.00113	1	03/31/2018 08:46	WG1091812
sec-Butylbenzene	U		0.000226	0.00113	1	03/31/2018 08:46	WG1091812
tert-Butylbenzene	U		0.000232	0.00113	1	03/31/2018 08:46	WG1091812
Carbon disulfide	0.000464	J	0.000249	0.00113	1	03/31/2018 08:46	WG1091812
Carbon tetrachloride	U		0.000369	0.00113	1	03/31/2018 08:46	WG1091812
Chlorobenzene	U		0.000239	0.00113	1	03/31/2018 08:46	WG1091812
Chlorodibromomethane	U		0.000420	0.00113	1	03/31/2018 08:46	WG1091812
Chloroethane	U		0.00106	0.00563	1	03/31/2018 08:46	WG1091812
Chloroform	U		0.000258	0.00563	1	03/31/2018 08:46	WG1091812
Chloromethane	U		0.000422	0.00281	1	03/31/2018 08:46	WG1091812
2-Chlorotoluene	U		0.000339	0.00113	1	03/31/2018 08:46	WG1091812
4-Chlorotoluene	U		0.000270	0.00113	1	03/31/2018 08:46	WG1091812
1,2-Dibromo-3-Chloropropane	U		0.00118	0.00563	1	03/31/2018 08:46	WG1091812
1,2-Dibromoethane	U		0.000386	0.00113	1	03/31/2018 08:46	WG1091812
Dibromomethane	U		0.000430	0.00113	1	03/31/2018 08:46	WG1091812
1,2-Dichlorobenzene	U		0.000343	0.00113	1	03/31/2018 08:46	WG1091812
1,3-Dichlorobenzene	U		0.000269	0.00113	1	03/31/2018 08:46	WG1091812
1,4-Dichlorobenzene	U		0.000254	0.00113	1	03/31/2018 08:46	WG1091812
Dichlorodifluoromethane	U		0.000802	0.00563	1	03/31/2018 08:46	WG1091812
1,1-Dichloroethane	U		0.000224	0.00113	1	03/31/2018 08:46	WG1091812
1,2-Dichloroethane	U		0.000298	0.00113	1	03/31/2018 08:46	WG1091812
1,1-Dichloroethene	U		0.000341	0.00113	1	03/31/2018 08:46	WG1091812
cis-1,2-Dichloroethene	0.0706		0.000264	0.00113	1	03/31/2018 08:46	WG1091812
trans-1,2-Dichloroethene	U		0.000297	0.00113	1	03/31/2018 08:46	WG1091812
1,2-Dichloropropane	U		0.000403	0.00113	1	03/31/2018 08:46	WG1091812
1,1-Dichloropropene	U		0.000357	0.00113	1	03/31/2018 08:46	WG1091812
1,3-Dichloropropane	U		0.000233	0.00113	1	03/31/2018 08:46	WG1091812
cis-1,3-Dichloropropene	U		0.000295	0.00113	1	03/31/2018 08:46	WG1091812
trans-1,3-Dichloropropene	U		0.000300	0.00113	1	03/31/2018 08:46	WG1091812
trans-1,4-Dichloro-2-butene	U		0.000876	0.00281	1	03/31/2018 08:46	WG1091812
2,2-Dichloropropane	U		0.000314	0.00113	1	03/31/2018 08:46	WG1091812
Di-isopropyl ether	U		0.000279	0.00113	1	03/31/2018 08:46	WG1091812
Ethylbenzene	U		0.000334	0.00113	1	03/31/2018 08:46	WG1091812
Hexachloro-1,3-butadiene	U		0.000385	0.00113	1	03/31/2018 08:46	WG1091812
2-Hexanone	U		0.00154	0.0113	1	03/31/2018 08:46	WG1091812
n-Hexane	U		0.000326	0.0113	1	03/31/2018 08:46	WG1091812
Iodomethane	U		0.00285	0.0113	1	03/31/2018 08:46	WG1091812
Isopropylbenzene	U		0.000273	0.00113	1	03/31/2018 08:46	WG1091812
p-Isopropyltoluene	U		0.000230	0.00113	1	03/31/2018 08:46	WG1091812
2-Butanone (MEK)	0.0116		0.00527	0.0113	1	03/31/2018 08:46	WG1091812
Methylene Chloride	U		0.00113	0.00563	1	03/31/2018 08:46	WG1091812
4-Methyl-2-pentanone (MIBK)	U		0.00212	0.0113	1	03/31/2018 08:46	WG1091812

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000239	0.00113	1	03/31/2018 08:46	WG1091812
Naphthalene	U		0.00113	0.00563	1	03/31/2018 08:46	WG1091812
n-Propylbenzene	U		0.000232	0.00113	1	03/31/2018 08:46	WG1091812
Styrene	U		0.000263	0.00113	1	03/31/2018 08:46	WG1091812
1,1,1,2-Tetrachloroethane	U		0.000297	0.00113	1	03/31/2018 08:46	WG1091812
1,1,2,2-Tetrachloroethane	U		0.000411	0.00113	1	03/31/2018 08:46	WG1091812
1,1,2-Trichlorotrifluoroethane	U		0.000411	0.00113	1	03/31/2018 08:46	WG1091812
Tetrachloroethene	0.0127		0.000311	0.00113	1	03/31/2018 08:46	WG1091812
Toluene	U		0.000488	0.00563	1	03/31/2018 08:46	WG1091812
1,2,3-Trichlorobenzene	U		0.000344	0.00113	1	03/31/2018 08:46	WG1091812
1,2,4-Trichlorobenzene	U		0.000437	0.00113	1	03/31/2018 08:46	WG1091812
1,1,1-Trichloroethane	U		0.000322	0.00113	1	03/31/2018 08:46	WG1091812
1,1,2-Trichloroethane	U		0.000312	0.00113	1	03/31/2018 08:46	WG1091812
Trichloroethene	0.00151		0.000314	0.00113	1	03/31/2018 08:46	WG1091812
Trichlorofluoromethane	U		0.000430	0.00563	1	03/31/2018 08:46	WG1091812
1,2,3-Trichloropropane	U		0.000834	0.00281	1	03/31/2018 08:46	WG1091812
1,2,4-Trimethylbenzene	U		0.000237	0.00113	1	03/31/2018 08:46	WG1091812
1,2,3-Trimethylbenzene	U		0.000323	0.00113	1	03/31/2018 08:46	WG1091812
1,3,5-Trimethylbenzene	U		0.000299	0.00113	1	03/31/2018 08:46	WG1091812
Vinyl acetate	U		0.00269	0.0113	1	03/31/2018 08:46	WG1091812
Vinyl chloride	0.00993		0.000327	0.00113	1	03/31/2018 08:46	WG1091812
Xylenes, Total	U		0.000786	0.00338	1	03/31/2018 08:46	WG1091812
(S) Toluene-d8	*100*			*80.0-120*		*03/31/2018 08:46*	WG1091812
(S) Dibromofluoromethane	*107*			*74.0-131*		*03/31/2018 08:46*	WG1091812
(S) 4-Bromofluorobenzene	*103*			*64.0-132*		*03/31/2018 08:46*	WG1091812

IW-50A-60
Collected date/time: 03/27/18 13:27

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	88.5		1	04/02/2018 09:51	WG1092326

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U	J0 J3	0.0113	0.0565	1	03/31/2018 16:43	WG1092087
Acrylonitrile	U		0.00202	0.0113	1	03/31/2018 16:43	WG1092087
Benzene	U		0.000305	0.00113	1	03/31/2018 16:43	WG1092087
Bromobenzene	U		0.000321	0.00113	1	03/31/2018 16:43	WG1092087
Bromodichloromethane	U		0.000287	0.00113	1	03/31/2018 16:43	WG1092087
Bromochloromethane	U		0.000440	0.00565	1	03/31/2018 16:43	WG1092087
Bromoform	U		0.000479	0.00113	1	03/31/2018 16:43	WG1092087
Bromomethane	U	J4	0.00151	0.00565	1	03/31/2018 16:43	WG1092087
n-Butylbenzene	U		0.000291	0.00113	1	03/31/2018 16:43	WG1092087
sec-Butylbenzene	U		0.000227	0.00113	1	03/31/2018 16:43	WG1092087
tert-Butylbenzene	U		0.000233	0.00113	1	03/31/2018 16:43	WG1092087
Carbon disulfide	0.000379	J	0.000250	0.00113	1	03/31/2018 16:43	WG1092087
Carbon tetrachloride	U	J0	0.000370	0.00113	1	03/31/2018 16:43	WG1092087
Chlorobenzene	U		0.000239	0.00113	1	03/31/2018 16:43	WG1092087
Chlorodibromomethane	U		0.000421	0.00113	1	03/31/2018 16:43	WG1092087
Chloroethane	U		0.00107	0.00565	1	03/31/2018 16:43	WG1092087
Chloroform	U		0.000259	0.00565	1	03/31/2018 16:43	WG1092087
Chloromethane	U	J0	0.000424	0.00282	1	03/31/2018 16:43	WG1092087
2-Chlorotoluene	U		0.000340	0.00113	1	03/31/2018 16:43	WG1092087
4-Chlorotoluene	U		0.000271	0.00113	1	03/31/2018 16:43	WG1092087
1,2-Dibromo-3-Chloropropane	U		0.00119	0.00565	1	03/31/2018 16:43	WG1092087
1,2-Dibromoethane	U		0.000387	0.00113	1	03/31/2018 16:43	WG1092087
Dibromomethane	U		0.000431	0.00113	1	03/31/2018 16:43	WG1092087
1,2-Dichlorobenzene	U		0.000344	0.00113	1	03/31/2018 16:43	WG1092087
1,3-Dichlorobenzene	U		0.000270	0.00113	1	03/31/2018 16:43	WG1092087
1,4-Dichlorobenzene	U		0.000255	0.00113	1	03/31/2018 16:43	WG1092087
Dichlorodifluoromethane	U		0.000805	0.00565	1	03/31/2018 16:43	WG1092087
1,1-Dichloroethane	U		0.000225	0.00113	1	03/31/2018 16:43	WG1092087
1,2-Dichloroethane	U		0.000299	0.00113	1	03/31/2018 16:43	WG1092087
1,1-Dichloroethene	U		0.000342	0.00113	1	03/31/2018 16:43	WG1092087
cis-1,2-Dichloroethene	0.00646		0.000265	0.00113	1	03/31/2018 16:43	WG1092087
trans-1,2-Dichloroethene	U		0.000298	0.00113	1	03/31/2018 16:43	WG1092087
1,2-Dichloropropane	U		0.000404	0.00113	1	03/31/2018 16:43	WG1092087
1,1-Dichloropropene	U	J0	0.000358	0.00113	1	03/31/2018 16:43	WG1092087
1,3-Dichloropropane	U		0.000234	0.00113	1	03/31/2018 16:43	WG1092087
cis-1,3-Dichloropropene	U		0.000296	0.00113	1	03/31/2018 16:43	WG1092087
trans-1,3-Dichloropropene	U		0.000302	0.00113	1	03/31/2018 16:43	WG1092087
trans-1,4-Dichloro-2-butene	U		0.000879	0.00282	1	03/31/2018 16:43	WG1092087
2,2-Dichloropropane	U	J0	0.000315	0.00113	1	03/31/2018 16:43	WG1092087
Di-isopropyl ether	U		0.000280	0.00113	1	03/31/2018 16:43	WG1092087
Ethylbenzene	U		0.000335	0.00113	1	03/31/2018 16:43	WG1092087
Hexachloro-1,3-butadiene	U	J3	0.000386	0.00113	1	03/31/2018 16:43	WG1092087
2-Hexanone	U		0.00155	0.0113	1	03/31/2018 16:43	WG1092087
n-Hexane	U	J0	0.000328	0.0113	1	03/31/2018 16:43	WG1092087
Iodomethane	U	J4	0.00286	0.0113	1	03/31/2018 16:43	WG1092087
Isopropylbenzene	U	J0	0.000274	0.00113	1	03/31/2018 16:43	WG1092087
p-Isopropyltoluene	U		0.000230	0.00113	1	03/31/2018 16:43	WG1092087
2-Butanone (MEK)	U	J0	0.00529	0.0113	1	03/31/2018 16:43	WG1092087
Methylene Chloride	U	J4	0.00113	0.00565	1	03/31/2018 16:43	WG1092087
4-Methyl-2-pentanone (MIBK)	U		0.00212	0.0113	1	03/31/2018 16:43	WG1092087

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U	J4	0.000239	0.00113	1	03/31/2018 16:43	WG1092087
Naphthalene	U		0.00113	0.00565	1	03/31/2018 16:43	WG1092087
n-Propylbenzene	U		0.000233	0.00113	1	03/31/2018 16:43	WG1092087
Styrene	U		0.000264	0.00113	1	03/31/2018 16:43	WG1092087
1,1,1,2-Tetrachloroethane	U		0.000298	0.00113	1	03/31/2018 16:43	WG1092087
1,1,2,2-Tetrachloroethane	U		0.000412	0.00113	1	03/31/2018 16:43	WG1092087
1,1,2-Trichlorotrifluoroethane	U		0.000412	0.00113	1	03/31/2018 16:43	WG1092087
Tetrachloroethene	0.00210		0.000312	0.00113	1	03/31/2018 16:43	WG1092087
Toluene	U		0.000490	0.00565	1	03/31/2018 16:43	WG1092087
1,2,3-Trichlorobenzene	U		0.000346	0.00113	1	03/31/2018 16:43	WG1092087
1,2,4-Trichlorobenzene	U		0.000438	0.00113	1	03/31/2018 16:43	WG1092087
1,1,1-Trichloroethane	U		0.000323	0.00113	1	03/31/2018 16:43	WG1092087
1,1,2-Trichloroethane	U		0.000313	0.00113	1	03/31/2018 16:43	WG1092087
Trichloroethene	U		0.000315	0.00113	1	03/31/2018 16:43	WG1092087
Trichlorofluoromethane	U		0.000431	0.00565	1	03/31/2018 16:43	WG1092087
1,2,3-Trichloropropane	U		0.000837	0.00282	1	03/31/2018 16:43	WG1092087
1,2,4-Trimethylbenzene	U		0.000238	0.00113	1	03/31/2018 16:43	WG1092087
1,2,3-Trimethylbenzene	U		0.000324	0.00113	1	03/31/2018 16:43	WG1092087
1,3,5-Trimethylbenzene	U		0.000300	0.00113	1	03/31/2018 16:43	WG1092087
Vinyl acetate	U		0.00270	0.0113	1	03/31/2018 16:43	WG1092087
Vinyl chloride	0.00363		0.000329	0.00113	1	03/31/2018 16:43	WG1092087
Xylenes, Total	U		0.000788	0.00339	1	03/31/2018 16:43	WG1092087
(S) Toluene-d8	*97.6*			*80.0-120*		*03/31/2018 16:43*	WG1092087
(S) Dibromofluoromethane	*104*			*74.0-131*		*03/31/2018 16:43*	WG1092087
(S) 4-Bromofluorobenzene	*96.4*			*64.0-132*		*03/31/2018 16:43*	WG1092087

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	88.6		1	04/02/2018 09:51	WG1092326

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.0120	J J0 J3	0.0113	0.0564	1	03/31/2018 17:03	WG1092087
Acrylonitrile	U		0.00202	0.0113	1	03/31/2018 17:03	WG1092087
Benzene	U		0.000305	0.00113	1	03/31/2018 17:03	WG1092087
Bromobenzene	U		0.000321	0.00113	1	03/31/2018 17:03	WG1092087
Bromodichloromethane	U		0.000287	0.00113	1	03/31/2018 17:03	WG1092087
Bromochloromethane	U		0.000440	0.00564	1	03/31/2018 17:03	WG1092087
Bromoform	U		0.000479	0.00113	1	03/31/2018 17:03	WG1092087
Bromomethane	U	J4	0.00151	0.00564	1	03/31/2018 17:03	WG1092087
n-Butylbenzene	U		0.000291	0.00113	1	03/31/2018 17:03	WG1092087
sec-Butylbenzene	U		0.000227	0.00113	1	03/31/2018 17:03	WG1092087
tert-Butylbenzene	U		0.000233	0.00113	1	03/31/2018 17:03	WG1092087
Carbon disulfide	0.000751	J	0.000250	0.00113	1	03/31/2018 17:03	WG1092087
Carbon tetrachloride	U	J0	0.000370	0.00113	1	03/31/2018 17:03	WG1092087
Chlorobenzene	U		0.000239	0.00113	1	03/31/2018 17:03	WG1092087
Chlorodibromomethane	U		0.000421	0.00113	1	03/31/2018 17:03	WG1092087
Chloroethane	U		0.00107	0.00564	1	03/31/2018 17:03	WG1092087
Chloroform	U		0.000259	0.00564	1	03/31/2018 17:03	WG1092087
Chloromethane	U	J0	0.000423	0.00282	1	03/31/2018 17:03	WG1092087
2-Chlorotoluene	U		0.000340	0.00113	1	03/31/2018 17:03	WG1092087
4-Chlorotoluene	U		0.000271	0.00113	1	03/31/2018 17:03	WG1092087
1,2-Dibromo-3-Chloropropane	U		0.00119	0.00564	1	03/31/2018 17:03	WG1092087
1,2-Dibromoethane	U		0.000387	0.00113	1	03/31/2018 17:03	WG1092087
Dibromomethane	U		0.000431	0.00113	1	03/31/2018 17:03	WG1092087
1,2-Dichlorobenzene	U		0.000344	0.00113	1	03/31/2018 17:03	WG1092087
1,3-Dichlorobenzene	U		0.000270	0.00113	1	03/31/2018 17:03	WG1092087
1,4-Dichlorobenzene	U		0.000255	0.00113	1	03/31/2018 17:03	WG1092087
Dichlorodifluoromethane	U		0.000805	0.00564	1	03/31/2018 17:03	WG1092087
1,1-Dichloroethane	U		0.000225	0.00113	1	03/31/2018 17:03	WG1092087
1,2-Dichloroethane	U		0.000299	0.00113	1	03/31/2018 17:03	WG1092087
1,1-Dichloroethene	U		0.000342	0.00113	1	03/31/2018 17:03	WG1092087
cis-1,2-Dichloroethene	0.121		0.000265	0.00113	1	03/31/2018 17:03	WG1092087
trans-1,2-Dichloroethene	U		0.000298	0.00113	1	03/31/2018 17:03	WG1092087
1,2-Dichloropropane	U		0.000404	0.00113	1	03/31/2018 17:03	WG1092087
1,1-Dichloropropene	U	J0	0.000358	0.00113	1	03/31/2018 17:03	WG1092087
1,3-Dichloropropane	U		0.000234	0.00113	1	03/31/2018 17:03	WG1092087
cis-1,3-Dichloropropene	U		0.000296	0.00113	1	03/31/2018 17:03	WG1092087
trans-1,3-Dichloropropene	U		0.000301	0.00113	1	03/31/2018 17:03	WG1092087
trans-1,4-Dichloro-2-butene	U		0.000878	0.00282	1	03/31/2018 17:03	WG1092087
2,2-Dichloropropane	U	J0	0.000315	0.00113	1	03/31/2018 17:03	WG1092087
Di-isopropyl ether	U		0.000280	0.00113	1	03/31/2018 17:03	WG1092087
Ethylbenzene	U		0.000335	0.00113	1	03/31/2018 17:03	WG1092087
Hexachloro-1,3-butadiene	U	J3	0.000386	0.00113	1	03/31/2018 17:03	WG1092087
2-Hexanone	U		0.00155	0.0113	1	03/31/2018 17:03	WG1092087
n-Hexane	U	J0	0.000327	0.0113	1	03/31/2018 17:03	WG1092087
Iodomethane	U	J4	0.00286	0.0113	1	03/31/2018 17:03	WG1092087
Isopropylbenzene	U	J0	0.000274	0.00113	1	03/31/2018 17:03	WG1092087
p-Isopropyltoluene	U		0.000230	0.00113	1	03/31/2018 17:03	WG1092087
2-Butanone (MEK)	0.0184	J0	0.00528	0.0113	1	03/31/2018 17:03	WG1092087
Methylene Chloride	U	J4	0.00113	0.00564	1	03/31/2018 17:03	WG1092087
4-Methyl-2-pentanone (MIBK)	U		0.00212	0.0113	1	03/31/2018 17:03	WG1092087

Volatile Organic Compounds (GC/MS) by Method 8260C

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg		date / time	
Methyl tert-butyl ether	U	J4	0.000239	0.00113	1	03/31/2018 17:03	WG1092087
Naphthalene	U		0.00113	0.00564	1	03/31/2018 17:03	WG1092087
n-Propylbenzene	U		0.000233	0.00113	1	03/31/2018 17:03	WG1092087
Styrene	U		0.000264	0.00113	1	03/31/2018 17:03	WG1092087
1,1,1,2-Tetrachloroethane	U		0.000298	0.00113	1	03/31/2018 17:03	WG1092087
1,1,2,2-Tetrachloroethane	U		0.000412	0.00113	1	03/31/2018 17:03	WG1092087
1,1,2-Trichlorotrifluoroethane	U		0.000412	0.00113	1	03/31/2018 17:03	WG1092087
Tetrachloroethene	0.0849		0.000312	0.00113	1	03/31/2018 17:03	WG1092087
Toluene	U		0.000490	0.00564	1	03/31/2018 17:03	WG1092087
1,2,3-Trichlorobenzene	U		0.000345	0.00113	1	03/31/2018 17:03	WG1092087
1,2,4-Trichlorobenzene	U		0.000438	0.00113	1	03/31/2018 17:03	WG1092087
1,1,1-Trichloroethane	U		0.000323	0.00113	1	03/31/2018 17:03	WG1092087
1,1,2-Trichloroethane	U		0.000313	0.00113	1	03/31/2018 17:03	WG1092087
Trichloroethene	0.00989		0.000315	0.00113	1	03/31/2018 17:03	WG1092087
Trichlorofluoromethane	U		0.000431	0.00564	1	03/31/2018 17:03	WG1092087
1,2,3-Trichloropropane	U		0.000837	0.00282	1	03/31/2018 17:03	WG1092087
1,2,4-Trimethylbenzene	U		0.000238	0.00113	1	03/31/2018 17:03	WG1092087
1,2,3-Trimethylbenzene	U		0.000324	0.00113	1	03/31/2018 17:03	WG1092087
1,3,5-Trimethylbenzene	U		0.000300	0.00113	1	03/31/2018 17:03	WG1092087
Vinyl acetate	U		0.00270	0.0113	1	03/31/2018 17:03	WG1092087
Vinyl chloride	0.0119		0.000329	0.00113	1	03/31/2018 17:03	WG1092087
Xylenes, Total	U		0.000788	0.00339	1	03/31/2018 17:03	WG1092087
(S) Toluene-d8	*96.7*			*80.0-120*		*03/31/2018 17:03*	WG1092087
(S) Dibromofluoromethane	*108*			*74.0-131*		*03/31/2018 17:03*	WG1092087
(S) 4-Bromofluorobenzene	*95.0*			*64.0-132*		*03/31/2018 17:03*	WG1092087

Method Blank (MB)

(MB) R3298513-1 04/02/18 09:01

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.00200			

L980954-08 Original Sample (OS) • Duplicate (DUP)

(OS) L980954-08 04/02/18 09:01 • (DUP) R3298513-3 04/02/18 09:01

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	90.0	92.5	1	2.81		5

Laboratory Control Sample (LCS)

(LCS) R3298513-2 04/02/18 09:01

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	85.0-115	

Method Blank (MB)

(MB) R3298515-1 04/02/18 09:51

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.000			

L980954-10 Original Sample (OS) • Duplicate (DUP)

(OS) L980954-10 04/02/18 09:51 • (DUP) R3298515-3 04/02/18 09:51

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	92.1	92.3	1	0.277		5

Laboratory Control Sample (LCS)

(LCS) R3298515-2 04/02/18 09:51

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	85.0-115	

Method Blank (MB)

(MB) R3298097-3 03/31/18 01:43

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acetone	U		0.0100	0.0500
Acrylonitrile	U		0.00179	0.0100
Benzene	U		0.000270	0.00100
Bromobenzene	U		0.000284	0.00100
Bromodichloromethane	U		0.000254	0.00100
Bromochloromethane	U		0.000390	0.00500
Bromoform	U		0.000424	0.00100
Bromomethane	U		0.00134	0.00500
n-Butylbenzene	U		0.000258	0.00100
sec-Butylbenzene	U		0.000201	0.00100
tert-Butylbenzene	U		0.000206	0.00100
Carbon disulfide	U		0.000221	0.00100
Carbon tetrachloride	U		0.000328	0.00100
Chlorobenzene	U		0.000212	0.00100
Chlorodibromomethane	U		0.000373	0.00100
Chloroethane	U		0.000946	0.00500
Chloroform	U		0.000229	0.00500
Chloromethane	U		0.000375	0.00250
2-Chlorotoluene	U		0.000301	0.00100
4-Chlorotoluene	U		0.000240	0.00100
1,2-Dibromo-3-Chloropropane	U		0.00105	0.00500
1,2-Dibromoethane	U		0.000343	0.00100
Dibromomethane	U		0.000382	0.00100
1,2-Dichlorobenzene	U		0.000305	0.00100
1,3-Dichlorobenzene	U		0.000239	0.00100
1,4-Dichlorobenzene	U		0.000226	0.00100
trans-1,4-Dichloro-2-butene	U		0.000778	0.00250
Dichlorodifluoromethane	U		0.000713	0.00500
1,1-Dichloroethane	U		0.000199	0.00100
1,2-Dichloroethane	U		0.000265	0.00100
1,1-Dichloroethene	U		0.000303	0.00100
cis-1,2-Dichloroethene	U		0.000235	0.00100
trans-1,2-Dichloroethene	U		0.000264	0.00100
1,2-Dichloropropane	U		0.000358	0.00100
1,1-Dichloropropene	U		0.000317	0.00100
1,3-Dichloropropane	U		0.000207	0.00100
cis-1,3-Dichloropropene	U		0.000262	0.00100
trans-1,3-Dichloropropene	U		0.000267	0.00100
2,2-Dichloropropane	U		0.000279	0.00100
Di-isopropyl ether	U		0.000248	0.00100

Method Blank (MB)

(MB) R3298097-3 03/31/18 01:43

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Ethylbenzene	U		0.000297	0.00100
Hexachloro-1,3-butadiene	U		0.000342	0.00100
2-Hexanone	U		0.00137	0.0100
n-Hexane	U		0.000290	0.0100
Iodomethane	U		0.00253	0.0100
Isopropylbenzene	U		0.000243	0.00100
p-Isopropyltoluene	U		0.000204	0.00100
2-Butanone (MEK)	U		0.00468	0.0100
Methylene Chloride	U		0.00100	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.00188	0.0100
Methyl tert-butyl ether	U		0.000212	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.000206	0.00100
Styrene	U		0.000234	0.00100
1,1,1,2-Tetrachloroethane	U		0.000264	0.00100
1,1,2,2-Tetrachloroethane	U		0.000365	0.00100
Tetrachloroethene	U		0.000276	0.00100
Toluene	U		0.000434	0.00500
1,1,2-Trichlorotrifluoroethane	U		0.000365	0.00100
1,2,3-Trichlorobenzene	U		0.000306	0.00100
1,2,4-Trichlorobenzene	U		0.000388	0.00100
1,1,1-Trichloroethane	U		0.000286	0.00100
1,1,2-Trichloroethane	U		0.000277	0.00100
Trichloroethene	U		0.000279	0.00100
Trichlorofluoromethane	U		0.000382	0.00500
1,2,3-Trichloropropane	U		0.000741	0.00250
1,2,3-Trimethylbenzene	U		0.000287	0.00100
1,2,4-Trimethylbenzene	U		0.000211	0.00100
1,3,5-Trimethylbenzene	U		0.000266	0.00100
Vinyl acetate	U		0.00239	0.0100
Vinyl chloride	U		0.000291	0.00100
Xylenes, Total	U		0.000698	0.00300
(S) Toluene-d8	*107*			*80.0-120*
(S) Dibromofluoromethane	*99.1*			*74.0-131*
(S) 4-Bromofluorobenzene	*102*			*64.0-132*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3298097-1 03/31/18 00:40 • (LCSD) R3298097-2 03/31/18 01:01

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.125	0.106	0.109	84.8	87.3	11.0-160			2.92	23
Acrylonitrile	0.125	0.134	0.137	107	110	61.0-143			2.03	20
Benzene	0.0250	0.0257	0.0259	103	104	71.0-124			0.841	20
Bromobenzene	0.0250	0.0248	0.0245	99.0	97.8	78.0-120			1.23	20
Bromodichloromethane	0.0250	0.0269	0.0272	108	109	75.0-120			1.17	20
Bromochloromethane	0.0250	0.0254	0.0267	101	107	80.0-121			5.06	20
Bromoform	0.0250	0.0269	0.0253	107	101	65.0-133			5.92	20
Bromomethane	0.0250	0.0213	0.0226	85.1	90.3	26.0-160			5.99	20
n-Butylbenzene	0.0250	0.0264	0.0257	105	103	73.0-126			2.63	20
sec-Butylbenzene	0.0250	0.0259	0.0257	103	103	75.0-121			0.705	20
tert-Butylbenzene	0.0250	0.0263	0.0264	105	106	74.0-122			0.448	20
Carbon disulfide	0.0250	0.0258	0.0272	103	109	53.0-130			5.56	20
Carbon tetrachloride	0.0250	0.0239	0.0245	95.7	98.2	66.0-123			2.53	20
Chlorobenzene	0.0250	0.0255	0.0260	102	104	79.0-121			2.08	20
Chlorodibromomethane	0.0250	0.0268	0.0267	107	107	74.0-128			0.491	20
Chloroethane	0.0250	0.0219	0.0230	87.8	92.1	51.0-147			4.82	20
Chloroform	0.0250	0.0249	0.0258	99.6	103	73.0-123			3.39	20
Chloromethane	0.0250	0.0234	0.0247	93.6	98.7	51.0-138			5.31	20
2-Chlorotoluene	0.0250	0.0257	0.0250	103	100	72.0-124			2.57	20
4-Chlorotoluene	0.0250	0.0252	0.0247	101	98.6	78.0-120			1.98	20
1,2-Dibromo-3-Chloropropane	0.0250	0.0249	0.0260	99.7	104	65.0-126			4.31	20
1,2-Dibromoethane	0.0250	0.0265	0.0261	106	104	78.0-122			1.54	20
Dibromomethane	0.0250	0.0265	0.0271	106	108	79.0-120			2.21	20
1,2-Dichlorobenzene	0.0250	0.0256	0.0257	102	103	80.0-120			0.312	20
1,3-Dichlorobenzene	0.0250	0.0255	0.0254	102	101	72.0-123			0.529	20
1,4-Dichlorobenzene	0.0250	0.0244	0.0241	97.5	96.3	77.0-120			1.26	20
trans-1,4-Dichloro-2-butene	0.0250	0.0292	0.0294	117	118	68.0-126			0.740	20
Dichlorodifluoromethane	0.0250	0.0238	0.0253	95.1	101	49.0-155			6.23	20
1,1-Dichloroethane	0.0250	0.0256	0.0265	102	106	70.0-128			3.39	20
1,2-Dichloroethane	0.0250	0.0255	0.0253	102	101	69.0-128			0.567	20
1,1-Dichloroethene	0.0250	0.0247	0.0265	98.7	106	63.0-131			6.99	20
cis-1,2-Dichloroethene	0.0250	0.0248	0.0263	99.2	105	74.0-123			5.95	20
trans-1,2-Dichloroethene	0.0250	0.0250	0.0262	100	105	72.0-122			4.48	20
1,2-Dichloropropane	0.0250	0.0266	0.0271	106	108	75.0-126			1.94	20
1,1-Dichloropropene	0.0250	0.0248	0.0252	99.1	101	72.0-130			1.84	20
1,3-Dichloropropane	0.0250	0.0263	0.0259	105	104	80.0-121			1.23	20
cis-1,3-Dichloropropene	0.0250	0.0265	0.0260	106	104	80.0-125			2.14	20
trans-1,3-Dichloropropene	0.0250	0.0267	0.0260	107	104	75.0-129			2.68	20
2,2-Dichloropropane	0.0250	0.0245	0.0251	98.0	100	60.0-129			2.20	20
Di-isopropyl ether	0.0250	0.0259	0.0263	104	105	62.0-133			1.60	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3298097-1 03/31/18 00:40 • (LCSD) R3298097-2 03/31/18 01:01

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Ethylbenzene	0.0250	0.0262	0.0273	105	109	77.0-120			3.97	20
Hexachloro-1,3-butadiene	0.0250	0.0267	0.0270	107	108	68.0-128			1.25	20
2-Hexanone	0.125	0.131	0.134	105	107	61.0-143			2.48	20
n-Hexane	0.0250	0.0269	0.0268	108	107	57.0-125			0.465	20
Iodomethane	0.125	0.127	0.134	101	107	67.0-132			5.90	20
Isopropylbenzene	0.0250	0.0259	0.0254	103	102	75.0-120			1.81	20
p-Isopropyltoluene	0.0250	0.0259	0.0259	104	104	74.0-125			0.229	20
2-Butanone (MEK)	0.125	0.135	0.132	108	105	37.0-159			2.22	20
Methylene Chloride	0.0250	0.0247	0.0258	99.0	103	67.0-123			4.17	20
4-Methyl-2-pentanone (MIBK)	0.125	0.137	0.138	109	110	60.0-144			1.14	20
Methyl tert-butyl ether	0.0250	0.0262	0.0269	105	107	66.0-125			2.27	20
Naphthalene	0.0250	0.0261	0.0260	104	104	64.0-125			0.107	20
n-Propylbenzene	0.0250	0.0254	0.0252	101	101	78.0-120			0.789	20
Styrene	0.0250	0.0280	0.0275	112	110	78.0-124			1.94	20
1,1,1,2-Tetrachloroethane	0.0250	0.0259	0.0268	104	107	74.0-124			3.44	20
1,1,2,2-Tetrachloroethane	0.0250	0.0248	0.0244	99.1	97.6	73.0-120			1.53	20
Tetrachloroethene	0.0250	0.0257	0.0257	103	103	70.0-127			0.203	20
Toluene	0.0250	0.0253	0.0253	101	101	77.0-120			0.157	20
1,1,2-Trichlorotrifluoroethane	0.0250	0.0253	0.0275	101	110	64.0-135			8.37	20
1,2,3-Trichlorobenzene	0.0250	0.0262	0.0262	105	105	68.0-126			0.211	20
1,2,4-Trichlorobenzene	0.0250	0.0251	0.0255	100	102	70.0-127			1.46	20
1,1,1-Trichloroethane	0.0250	0.0253	0.0267	101	107	69.0-125			5.47	20
1,1,2-Trichloroethane	0.0250	0.0258	0.0252	103	101	78.0-120			2.19	20
Trichloroethene	0.0250	0.0267	0.0277	107	111	79.0-120			3.79	20
Trichlorofluoromethane	0.0250	0.0268	0.0273	107	109	59.0-136			1.72	20
1,2,3-Trichloropropane	0.0250	0.0251	0.0251	100	100	73.0-124			0.140	20
1,2,3-Trimethylbenzene	0.0250	0.0259	0.0255	103	102	76.0-120			1.30	20
1,2,4-Trimethylbenzene	0.0250	0.0259	0.0257	103	103	75.0-120			0.643	20
1,3,5-Trimethylbenzene	0.0250	0.0260	0.0254	104	102	75.0-120			2.41	20
Vinyl acetate	0.125	0.126	0.123	101	98.4	58.0-156			2.13	20
Vinyl chloride	0.0250	0.0255	0.0270	102	108	63.0-134			5.63	20
Xylenes, Total	0.0750	0.0789	0.0818	105	109	77.0-120			3.61	20
(S) Toluene-d8				*108*	*106*	*80.0-120*				
(S) Dibromofluoromethane				*94.5*	*94.9*	*74.0-131*				
(S) 4-Bromofluorobenzene				*96.5*	*93.7*	*64.0-132*				

L981335-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L981335-04 03/31/18 10:10 • (MS) R3298097-4 03/31/18 10:31 • (MSD) R3298097-5 03/31/18 10:53

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acetone	0.133	0.0262	0.130	0.140	78.1	85.2	1	10.0-160			7.05	36
Acrylonitrile	0.133	U	0.171	0.178	128	133	1	14.0-160			3.84	33
Benzene	0.0266	U	0.0270	0.0284	101	106	1	13.0-146			4.96	27
Bromobenzene	0.0266	U	0.0222	0.0224	83.3	84.1	1	10.0-149			0.922	33
Bromodichloromethane	0.0266	U	0.0279	0.0291	105	109	1	15.0-142			4.22	28
Bromochloromethane	0.0266	U	0.0283	0.0296	106	111	1	24.0-146			4.37	27
Bromoform	0.0266	U	0.0279	0.0289	105	109	1	10.0-147			3.65	31
Bromomethane	0.0266	U	0.0255	0.0276	95.8	103	1	10.0-160			7.64	32
n-Butylbenzene	0.0266	U	0.0198	0.0213	74.3	79.8	1	10.0-154			7.03	37
sec-Butylbenzene	0.0266	U	0.0222	0.0235	83.2	88.1	1	10.0-151			5.69	36
tert-Butylbenzene	0.0266	U	0.0233	0.0249	87.6	93.3	1	10.0-152			6.26	35
Carbon disulfide	0.0266	U	0.0285	0.0304	107	114	1	10.0-141			6.36	30
Carbon tetrachloride	0.0266	U	0.0257	0.0278	96.6	104	1	13.0-140			7.66	30
Chlorobenzene	0.0266	U	0.0237	0.0236	89.0	88.6	1	10.0-149			0.366	31
Chlorodibromomethane	0.0266	U	0.0271	0.0274	102	103	1	12.0-147			0.795	29
Chloroethane	0.0266	U	0.0261	0.0279	98.0	105	1	10.0-159			6.54	33
Chloroform	0.0266	U	0.0279	0.0283	105	106	1	18.0-148			1.54	28
Chloromethane	0.0266	U	0.0265	0.0281	99.4	105	1	10.0-146			5.83	29
2-Chlorotoluene	0.0266	U	0.0226	0.0230	84.8	86.2	1	10.0-151			1.67	35
4-Chlorotoluene	0.0266	U	0.0206	0.0213	77.3	79.9	1	10.0-150			3.30	35
1,2-Dibromo-3-Chloropropane	0.0266	U	0.0330	0.0338	124	127	1	10.0-149			2.22	34
1,2-Dibromoethane	0.0266	U	0.0280	0.0289	105	109	1	14.0-145			3.12	28
Dibromomethane	0.0266	U	0.0283	0.0305	106	114	1	18.0-144			7.42	27
1,2-Dichlorobenzene	0.0266	U	0.0217	0.0216	81.4	81.1	1	10.0-153			0.301	34
1,3-Dichlorobenzene	0.0266	U	0.0204	0.0205	76.7	76.9	1	10.0-150			0.240	35
1,4-Dichlorobenzene	0.0266	U	0.0195	0.0193	73.2	72.4	1	10.0-148			1.03	34
trans-1,4-Dichloro-2-butene	0.0266	U	0.0335	0.0339	126	127	1	10.0-160			1.17	40
Dichlorodifluoromethane	0.0266	U	0.0232	0.0254	86.9	95.4	1	10.0-160			9.30	30
1,1-Dichloroethane	0.0266	U	0.0277	0.0295	104	111	1	19.0-148			6.57	28
1,2-Dichloroethane	0.0266	U	0.0283	0.0304	106	114	1	17.0-147			7.19	27
1,1-Dichloroethene	0.0266	U	0.0272	0.0286	102	107	1	10.0-150			5.00	31
cis-1,2-Dichloroethene	0.0266	U	0.0267	0.0280	100	105	1	16.0-145			4.82	28
trans-1,2-Dichloroethene	0.0266	U	0.0269	0.0289	101	108	1	11.0-142			7.01	29
1,2-Dichloropropane	0.0266	U	0.0274	0.0288	103	108	1	17.0-148			4.86	28
1,1-Dichloropropene	0.0266	U	0.0264	0.0279	99.1	105	1	10.0-150			5.70	30
1,3-Dichloropropane	0.0266	U	0.0272	0.0268	102	101	1	16.0-148			1.48	27
cis-1,3-Dichloropropene	0.0266	U	0.0247	0.0251	92.7	94.1	1	13.0-150			1.40	28
trans-1,3-Dichloropropene	0.0266	U	0.0255	0.0253	95.5	95.0	1	10.0-152			0.542	29
2,2-Dichloropropane	0.0266	U	0.0275	0.0277	103	104	1	16.0-143			0.691	30

L981335-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L981335-04 03/31/18 10:10 • (MS) R3298097-4 03/31/18 10:31 • (MSD) R3298097-5 03/31/18 10:53

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Di-isopropyl ether	0.0266	U	0.0283	0.0299	106	112	1	16.0-149			5.70	28
Ethylbenzene	0.0266	U	0.0245	0.0241	91.9	90.3	1	10.0-147			1.74	31
Hexachloro-1,3-butadiene	0.0266	U	0.0177	0.0205	66.4	76.8	1	10.0-154			14.5	40
2-Hexanone	0.133	U	0.182	0.183	137	137	1	12.0-158			0.246	30
n-Hexane	0.0266	U	0.0261	0.0290	98.1	109	1	10.0-140			10.3	34
Iodomethane	0.133	U	0.135	0.145	101	109	1	10.0-157			7.18	34
Isopropylbenzene	0.0266	U	0.0232	0.0245	87.2	91.9	1	10.0-147			5.28	33
p-Isopropyltoluene	0.0266	U	0.0215	0.0226	80.8	84.7	1	10.0-156			4.82	37
2-Butanone (MEK)	0.133	U	0.179	0.185	134	139	1	10.0-160			3.19	33
Methylene Chloride	0.0266	U	0.0272	0.0290	102	109	1	16.0-139			6.43	29
4-Methyl-2-pentanone (MIBK)	0.133	U	0.191	0.194	144	145	1	12.0-160			1.30	32
Methyl tert-butyl ether	0.0266	U	0.0314	0.0329	118	124	1	21.0-145			4.65	29
Naphthalene	0.0266	U	0.0230	0.0225	86.5	84.4	1	10.0-153			2.50	36
n-Propylbenzene	0.0266	U	0.0219	0.0229	82.3	86.0	1	10.0-151			4.42	34
Styrene	0.0266	U	0.00522	0.00389	19.6	14.6	1	10.0-155			29.1	34
1,1,1,2-Tetrachloroethane	0.0266	U	0.0260	0.0260	97.7	97.5	1	10.0-147			0.182	30
1,1,2,2-Tetrachloroethane	0.0266	U	0.0298	0.0307	112	115	1	10.0-155			2.76	31
Tetrachloroethene	0.0266	U	0.0224	0.0238	84.0	89.5	1	10.0-144			6.37	32
Toluene	0.0266	U	0.0239	0.0240	89.6	90.2	1	10.0-144			0.674	28
1,1,2-Trichlorotrifluoroethane	0.0266	U	0.0268	0.0291	101	109	1	10.0-153			8.29	33
1,2,3-Trichlorobenzene	0.0266	U	0.0171	0.0179	64.2	67.1	1	10.0-153			4.37	40
1,2,4-Trichlorobenzene	0.0266	U	0.0156	0.0156	58.5	58.6	1	10.0-156			0.0625	40
1,1,1-Trichloroethane	0.0266	U	0.0278	0.0295	104	111	1	18.0-145			6.09	29
1,1,2-Trichloroethane	0.0266	U	0.0271	0.0271	102	102	1	12.0-151			0.0710	28
Trichloroethene	0.0266	U	0.0260	0.0278	97.5	104	1	11.0-148			6.74	29
Trichlorofluoromethane	0.0266	U	0.0288	0.0302	108	113	1	10.0-157			4.77	34
1,2,3-Trichloropropane	0.0266	U	0.0298	0.0319	112	120	1	10.0-154			6.67	32
1,2,3-Trimethylbenzene	0.0266	U	0.0226	0.0232	84.8	86.9	1	10.0-150			2.50	33
1,2,4-Trimethylbenzene	0.0266	U	0.0216	0.0221	81.1	82.9	1	10.0-151			2.18	34
1,3,5-Trimethylbenzene	0.0266	U	0.0222	0.0229	83.4	86.0	1	10.0-150			3.10	33
Vinyl acetate	0.133	U	0.0566	0.0549	42.5	41.2	1	10.0-160			3.10	40
Vinyl chloride	0.0266	U	0.0296	0.0316	111	119	1	10.0-150			6.38	29
Xylenes, Total	0.0799	U	0.0733	0.0742	91.7	92.8	1	10.0-150			1.16	31
(S) Toluene-d8					*102*	*98.7*		*80.0-120*				
(S) Dibromofluoromethane					*104*	*103*		*74.0-131*				
(S) 4-Bromofluorobenzene					*93.4*	*94.5*		*64.0-132*				

Method Blank (MB)

(MB) R3298629-3 03/31/18 14:15

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acetone	U		0.0100	0.0500
Acrylonitrile	U		0.00179	0.0100
Benzene	U		0.000270	0.00100
Bromobenzene	U		0.000284	0.00100
Bromodichloromethane	U		0.000254	0.00100
Bromochloromethane	U		0.000390	0.00500
Bromoform	U		0.000424	0.00100
Bromomethane	U		0.00134	0.00500
n-Butylbenzene	U		0.000258	0.00100
sec-Butylbenzene	U		0.000201	0.00100
tert-Butylbenzene	U		0.000206	0.00100
Carbon disulfide	U		0.000221	0.00100
Carbon tetrachloride	U		0.000328	0.00100
Chlorobenzene	U		0.000212	0.00100
Chlorodibromomethane	U		0.000373	0.00100
Chloroethane	U		0.000946	0.00500
Chloroform	U		0.000229	0.00500
Chloromethane	U		0.000375	0.00250
2-Chlorotoluene	U		0.000301	0.00100
4-Chlorotoluene	U		0.000240	0.00100
1,2-Dibromo-3-Chloropropane	U		0.00105	0.00500
1,2-Dibromoethane	U		0.000343	0.00100
Dibromomethane	U		0.000382	0.00100
1,2-Dichlorobenzene	U		0.000305	0.00100
1,3-Dichlorobenzene	U		0.000239	0.00100
1,4-Dichlorobenzene	U		0.000226	0.00100
trans-1,4-Dichloro-2-butene	U		0.000778	0.00250
Dichlorodifluoromethane	U		0.000713	0.00500
1,1-Dichloroethane	U		0.000199	0.00100
1,2-Dichloroethane	U		0.000265	0.00100
1,1-Dichloroethene	U		0.000303	0.00100
cis-1,2-Dichloroethene	U		0.000235	0.00100
trans-1,2-Dichloroethene	U		0.000264	0.00100
1,2-Dichloropropane	U		0.000358	0.00100
1,1-Dichloropropene	U		0.000317	0.00100
1,3-Dichloropropane	U		0.000207	0.00100
cis-1,3-Dichloropropene	U		0.000262	0.00100
trans-1,3-Dichloropropene	U		0.000267	0.00100
2,2-Dichloropropane	U		0.000279	0.00100
Di-isopropyl ether	U		0.000248	0.00100

Method Blank (MB)

(MB) R3298629-3 03/31/18 14:15

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Ethylbenzene	U		0.000297	0.00100
Hexachloro-1,3-butadiene	U		0.000342	0.00100
2-Hexanone	U		0.00137	0.0100
n-Hexane	U		0.000290	0.0100
Iodomethane	U		0.00253	0.0100
Isopropylbenzene	U		0.000243	0.00100
p-Isopropyltoluene	U		0.000204	0.00100
2-Butanone (MEK)	U		0.00468	0.0100
Methylene Chloride	U		0.00100	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.00188	0.0100
Methyl tert-butyl ether	U		0.000212	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.000206	0.00100
Styrene	U		0.000234	0.00100
1,1,1,2-Tetrachloroethane	U		0.000264	0.00100
1,1,2,2-Tetrachloroethane	U		0.000365	0.00100
Tetrachloroethene	U		0.000276	0.00100
Toluene	U		0.000434	0.00500
1,1,2-Trichlorotrifluoroethane	U		0.000365	0.00100
1,2,3-Trichlorobenzene	U		0.000306	0.00100
1,2,4-Trichlorobenzene	U		0.000388	0.00100
1,1,1-Trichloroethane	U		0.000286	0.00100
1,1,2-Trichloroethane	U		0.000277	0.00100
Trichloroethene	U		0.000279	0.00100
Trichlorofluoromethane	U		0.000382	0.00500
1,2,3-Trichloropropane	U		0.000741	0.00250
1,2,3-Trimethylbenzene	U		0.000287	0.00100
1,2,4-Trimethylbenzene	U		0.000211	0.00100
1,3,5-Trimethylbenzene	U		0.000266	0.00100
Vinyl acetate	U		0.00239	0.0100
Vinyl chloride	U		0.000291	0.00100
Xylenes, Total	U		0.000698	0.00300
(S) Toluene-d8	*102*			*80.0-120*
(S) Dibromofluoromethane	*102*			*74.0-131*
(S) 4-Bromofluorobenzene	*92.7*			*64.0-132*

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3298629-1 03/31/18 12:37 • (LCSD) R3298629-2 03/31/18 12:57

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.125	0.0980	0.0665	78.4	53.2	11.0-160		J3	38.4	23
Acrylonitrile	0.125	0.120	0.107	95.8	85.4	61.0-143			11.4	20
Benzene	0.0250	0.0241	0.0241	96.3	96.4	71.0-124			0.0558	20
Bromobenzene	0.0250	0.0252	0.0260	101	104	78.0-120			2.85	20
Bromodichloromethane	0.0250	0.0259	0.0257	104	103	75.0-120			0.674	20
Bromochloromethane	0.0250	0.0284	0.0271	114	108	80.0-121			4.70	20
Bromoform	0.0250	0.0276	0.0283	110	113	65.0-133			2.70	20
Bromomethane	0.0250	0.0416	0.0351	167	140	26.0-160	J4		17.1	20
n-Butylbenzene	0.0250	0.0237	0.0220	94.7	88.0	73.0-126			7.25	20
sec-Butylbenzene	0.0250	0.0242	0.0237	97.0	95.0	75.0-121			2.10	20
tert-Butylbenzene	0.0250	0.0236	0.0234	94.4	93.8	74.0-122			0.679	20
Carbon disulfide	0.0250	0.0297	0.0294	119	118	53.0-130			1.16	20
Carbon tetrachloride	0.0250	0.0222	0.0214	88.6	85.7	66.0-123			3.39	20
Chlorobenzene	0.0250	0.0259	0.0255	104	102	79.0-121			1.47	20
Chlorodibromomethane	0.0250	0.0269	0.0265	107	106	74.0-128			1.51	20
Chloroethane	0.0250	0.0341	0.0317	136	127	51.0-147			7.18	20
Chloroform	0.0250	0.0261	0.0260	105	104	73.0-123			0.659	20
Chloromethane	0.0250	0.0222	0.0212	88.6	84.6	51.0-138			4.60	20
2-Chlorotoluene	0.0250	0.0257	0.0263	103	105	72.0-124			2.33	20
4-Chlorotoluene	0.0250	0.0256	0.0263	102	105	78.0-120			2.60	20
1,2-Dibromo-3-Chloropropane	0.0250	0.0241	0.0232	96.5	92.9	65.0-126			3.86	20
1,2-Dibromoethane	0.0250	0.0284	0.0274	114	110	78.0-122			3.47	20
Dibromomethane	0.0250	0.0267	0.0257	107	103	79.0-120			3.78	20
1,2-Dichlorobenzene	0.0250	0.0280	0.0276	112	110	80.0-120			1.40	20
1,3-Dichlorobenzene	0.0250	0.0265	0.0270	106	108	72.0-123			1.89	20
1,4-Dichlorobenzene	0.0250	0.0271	0.0273	109	109	77.0-120			0.533	20
trans-1,4-Dichloro-2-butene	0.0250	0.0244	0.0233	97.7	93.2	68.0-126			4.68	20
Dichlorodifluoromethane	0.0250	0.0290	0.0279	116	112	49.0-155			3.72	20
1,1-Dichloroethane	0.0250	0.0228	0.0226	91.3	90.4	70.0-128			1.00	20
1,2-Dichloroethane	0.0250	0.0251	0.0250	101	100	69.0-128			0.594	20
1,1-Dichloroethene	0.0250	0.0295	0.0292	118	117	63.0-131			0.889	20
cis-1,2-Dichloroethene	0.0250	0.0251	0.0250	100	99.8	74.0-123			0.619	20
trans-1,2-Dichloroethene	0.0250	0.0272	0.0263	109	105	72.0-122			3.34	20
1,2-Dichloropropane	0.0250	0.0239	0.0232	95.5	92.8	75.0-126			2.79	20
1,1-Dichloropropene	0.0250	0.0236	0.0234	94.3	93.5	72.0-130			0.912	20
1,3-Dichloropropane	0.0250	0.0269	0.0272	108	109	80.0-121			0.984	20
cis-1,3-Dichloropropene	0.0250	0.0267	0.0269	107	107	80.0-125			0.659	20
trans-1,3-Dichloropropene	0.0250	0.0270	0.0272	108	109	75.0-129			0.796	20
2,2-Dichloropropane	0.0250	0.0226	0.0226	90.6	90.5	60.0-129			0.118	20
Di-isopropyl ether	0.0250	0.0232	0.0226	92.8	90.4	62.0-133			2.53	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3298629-1 03/31/18 12:37 • (LCSD) R3298629-2 03/31/18 12:57

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Ethylbenzene	0.0250	0.0251	0.0248	100	99.1	77.0-120			1.36	20
Hexachloro-1,3-butadiene	0.0250	0.0292	0.0214	117	85.7	68.0-128		J3	30.7	20
2-Hexanone	0.125	0.120	0.106	95.9	84.7	61.0-143			12.5	20
n-Hexane	0.0250	0.0220	0.0216	87.9	86.6	57.0-125			1.54	20
Iodomethane	0.125	0.167	0.165	133	132	67.0-132	J4		1.23	20
Isopropylbenzene	0.0250	0.0230	0.0240	92.1	96.0	75.0-120			4.12	20
p-Isopropyltoluene	0.0250	0.0246	0.0236	98.4	94.5	74.0-125			4.06	20
2-Butanone (MEK)	0.125	0.0899	0.0778	71.9	62.3	37.0-159			14.4	20
Methylene Chloride	0.0250	0.0317	0.0310	127	124	67.0-123	J4	J4	2.04	20
4-Methyl-2-pentanone (MIBK)	0.125	0.111	0.0973	89.1	77.8	60.0-144			13.6	20
Methyl tert-butyl ether	0.0250	0.0316	0.0292	127	117	66.0-125	J4		7.90	20
Naphthalene	0.0250	0.0301	0.0268	120	107	64.0-125			11.4	20
n-Propylbenzene	0.0250	0.0237	0.0243	94.7	97.4	78.0-120			2.78	20
Styrene	0.0250	0.0239	0.0258	95.7	103	78.0-124			7.39	20
1,1,1,2-Tetrachloroethane	0.0250	0.0247	0.0242	98.9	96.8	74.0-124			2.13	20
1,1,2,2-Tetrachloroethane	0.0250	0.0271	0.0267	109	107	73.0-120			1.70	20
Tetrachloroethene	0.0250	0.0251	0.0257	101	103	70.0-127			2.22	20
Toluene	0.0250	0.0241	0.0244	96.2	97.5	77.0-120			1.26	20
1,1,2-Trichlorotrifluoroethane	0.0250	0.0333	0.0319	133	128	64.0-135			4.37	20
1,2,3-Trichlorobenzene	0.0250	0.0302	0.0252	121	101	68.0-126			17.9	20
1,2,4-Trichlorobenzene	0.0250	0.0289	0.0249	116	99.5	70.0-127			14.9	20
1,1,1-Trichloroethane	0.0250	0.0241	0.0238	96.5	95.3	69.0-125			1.22	20
1,1,2-Trichloroethane	0.0250	0.0282	0.0270	113	108	78.0-120			4.53	20
Trichloroethene	0.0250	0.0272	0.0261	109	105	79.0-120			3.88	20
Trichlorofluoromethane	0.0250	0.0330	0.0315	132	126	59.0-136			4.77	20
1,2,3-Trichloropropane	0.0250	0.0277	0.0259	111	103	73.0-124			6.85	20
1,2,3-Trimethylbenzene	0.0250	0.0281	0.0278	112	111	76.0-120			1.21	20
1,2,4-Trimethylbenzene	0.0250	0.0251	0.0255	100	102	75.0-120			1.69	20
1,3,5-Trimethylbenzene	0.0250	0.0251	0.0252	100	101	75.0-120			0.186	20
Vinyl acetate	0.125	0.121	0.117	97.2	93.7	58.0-156			3.65	20
Vinyl chloride	0.0250	0.0281	0.0272	112	109	63.0-134			3.21	20
Xylenes, Total	0.0750	0.0760	0.0746	101	99.5	77.0-120			1.86	20
(S) Toluene-d8				*101*	*106*	*80.0-120*				
(S) Dibromofluoromethane				*97.2*	*95.6*	*74.0-131*				
(S) 4-Bromofluorobenzene				*91.0*	*96.4*	*64.0-132*				

L981416-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L981416-02 03/31/18 22:55 • (MS) R3298629-4 03/31/18 23:14 • (MSD) R3298629-5 03/31/18 23:34

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acetone	0.125	U	12.1	19.0	38.8	60.7	250	10.0-160	J0 J3	J0 J3	43.9	36
Acrylonitrile	0.125	U	25.8	31.2	82.5	99.9	250	14.0-160			19.0	33
Benzene	0.0250	U	5.41	5.32	86.5	85.1	250	13.0-146			1.75	27
Bromobenzene	0.0250	U	6.22	5.97	99.5	95.6	250	10.0-149			4.02	33
Bromodichloromethane	0.0250	U	5.95	5.92	95.1	94.7	250	15.0-142			0.476	28
Bromochloromethane	0.0250	U	6.15	5.92	98.5	94.7	250	24.0-146			3.92	27
Bromoform	0.0250	U	6.54	6.04	105	96.7	250	10.0-147			7.96	31
Bromomethane	0.0250	U	8.59	8.72	137	140	250	10.0-160			1.56	32
n-Butylbenzene	0.0250	2.10	6.19	7.02	65.4	78.7	250	10.0-154			12.6	37
sec-Butylbenzene	0.0250	0.894	5.70	6.05	76.9	82.6	250	10.0-151			6.03	36
tert-Butylbenzene	0.0250	U	4.93	5.10	78.8	81.7	250	10.0-152			3.57	35
Carbon disulfide	0.0250	U	7.14	6.48	114	104	250	10.0-141			9.71	30
Carbon tetrachloride	0.0250	U	4.84	4.72	77.4	75.5	250	13.0-140	J0	J0	2.50	30
Chlorobenzene	0.0250	U	5.17	5.00	82.7	79.9	250	10.0-149			3.46	31
Chlorodibromomethane	0.0250	U	5.64	5.45	90.3	87.1	250	12.0-147			3.58	29
Chloroethane	0.0250	U	8.13	8.03	130	128	250	10.0-159			1.20	33
Chloroform	0.0250	U	5.93	5.84	94.9	93.4	250	18.0-148			1.63	28
Chloromethane	0.0250	U	5.18	5.48	82.9	87.6	250	10.0-146	J0	J0	5.56	29
2-Chlorotoluene	0.0250	U	5.62	5.58	90.0	89.2	250	10.0-151			0.871	35
4-Chlorotoluene	0.0250	U	5.81	5.56	93.0	89.0	250	10.0-150			4.41	35
1,2-Dibromo-3-Chloropropane	0.0250	U	5.78	5.52	92.5	88.4	250	10.0-149			4.54	34
1,2-Dibromoethane	0.0250	U	5.64	5.48	90.2	87.6	250	14.0-145			2.94	28
Dibromomethane	0.0250	U	5.96	5.82	95.3	93.1	250	18.0-144			2.32	27
1,2-Dichlorobenzene	0.0250	U	6.07	5.87	97.1	93.9	250	10.0-153			3.37	34
1,3-Dichlorobenzene	0.0250	U	5.65	5.42	90.4	86.7	250	10.0-150			4.15	35
1,4-Dichlorobenzene	0.0250	U	5.71	5.68	91.4	90.9	250	10.0-148			0.585	34
trans-1,4-Dichloro-2-butene	0.0250	U	6.49	5.88	104	94.1	250	10.0-160			9.96	40
Dichlorodifluoromethane	0.0250	U	5.77	5.91	92.4	94.6	250	10.0-160			2.39	30
1,1-Dichloroethane	0.0250	U	4.98	5.72	79.6	91.6	250	19.0-148			14.0	28
1,2-Dichloroethane	0.0250	U	5.47	5.45	87.6	87.2	250	17.0-147			0.435	27
1,1-Dichloroethene	0.0250	U	6.94	6.37	111	102	250	10.0-150			8.60	31
cis-1,2-Dichloroethene	0.0250	U	5.63	5.43	90.1	87.0	250	16.0-145			3.57	28
trans-1,2-Dichloroethene	0.0250	U	5.56	5.96	89.0	95.4	250	11.0-142			7.03	29
1,2-Dichloropropane	0.0250	U	5.25	5.24	84.0	83.8	250	17.0-148			0.249	28
1,1-Dichloropropene	0.0250	U	5.36	5.25	85.8	84.0	250	10.0-150	J0	J0	2.02	30
1,3-Dichloropropane	0.0250	U	5.64	5.67	90.3	90.8	250	16.0-148			0.520	27
cis-1,3-Dichloropropene	0.0250	U	5.30	5.35	84.7	85.7	250	13.0-150			1.09	28
trans-1,3-Dichloropropene	0.0250	U	5.28	5.25	84.5	84.0	250	10.0-152			0.510	29
2,2-Dichloropropane	0.0250	U	4.79	4.74	76.7	75.8	250	16.0-143	J0	J0	1.22	30
Di-isopropyl ether	0.0250	U	5.01	6.13	80.1	98.1	250	16.0-149			20.2	28

L981416-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L981416-02 03/31/18 22:55 • (MS) R3298629-4 03/31/18 23:14 • (MSD) R3298629-5 03/31/18 23:34

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Ethylbenzene	0.0250	5.59	10.6	10.3	80.9	75.9	250	10.0-147			2.97	31
Hexachloro-1,3-butadiene	0.0250	U	4.92	5.96	78.8	95.4	250	10.0-154			19.1	40
2-Hexanone	0.125	U	23.7	24.5	75.7	78.5	250	12.0-158			3.53	30
n-Hexane	0.0250	1.18	5.66	6.84	71.6	90.5	250	10.0-140	J0	J0	18.9	34
Iodomethane	0.125	U	36.2	34.7	116	111	250	10.0-157			4.43	34
Isopropylbenzene	0.0250	1.21	6.33	6.20	81.9	79.9	250	10.0-147	J0	J0	2.00	33
p-Isopropyltoluene	0.0250	0.315	4.92	5.31	73.7	80.0	250	10.0-156			7.67	37
2-Butanone (MEK)	0.125	U	19.4	21.4	62.1	68.6	250	10.0-160	J0	J0	9.98	33
Methylene Chloride	0.0250	U	6.20	7.02	99.2	112	250	16.0-139			12.4	29
4-Methyl-2-pentanone (MIBK)	0.125	U	24.3	26.1	77.6	83.5	250	12.0-160			7.29	32
Methyl tert-butyl ether	0.0250	U	5.85	7.21	93.6	115	250	21.0-145			20.9	29
Naphthalene	0.0250	1.70	7.78	7.69	97.4	95.9	250	10.0-153			1.21	36
n-Propylbenzene	0.0250	3.93	8.69	8.64	76.2	75.3	250	10.0-151			0.644	34
Styrene	0.0250	U	5.98	5.60	95.6	89.6	250	10.0-155			6.49	34
1,1,1,2-Tetrachloroethane	0.0250	U	4.99	4.81	79.8	77.0	250	10.0-147			3.64	30
1,1,2,2-Tetrachloroethane	0.0250	U	6.14	5.42	98.3	86.8	250	10.0-155			12.4	31
Tetrachloroethene	0.0250	U	4.92	4.78	78.8	76.4	250	10.0-144			3.02	32
Toluene	0.0250	U	4.92	4.97	78.8	79.5	250	10.0-144			0.932	28
1,1,2-Trichlorotrifluoroethane	0.0250	U	7.39	6.73	118	108	250	10.0-153			9.24	33
1,2,3-Trichlorobenzene	0.0250	U	5.83	6.18	93.2	98.9	250	10.0-153			5.93	40
1,2,4-Trichlorobenzene	0.0250	U	5.63	5.90	90.0	94.5	250	10.0-156			4.81	40
1,1,1-Trichloroethane	0.0250	U	5.29	5.22	84.6	83.5	250	18.0-145			1.36	29
1,1,2-Trichloroethane	0.0250	U	5.86	5.92	93.7	94.8	250	12.0-151			1.15	28
Trichloroethene	0.0250	U	5.93	5.74	94.9	91.8	250	11.0-148			3.31	29
Trichlorofluoromethane	0.0250	U	8.26	8.13	132	130	250	10.0-157			1.49	34
1,2,3-Trichloropropane	0.0250	U	6.20	5.73	99.2	91.7	250	10.0-154			7.87	32
1,2,3-Trimethylbenzene	0.0250	4.28	10.1	10.6	92.8	101	250	10.0-150			4.87	33
1,2,4-Trimethylbenzene	0.0250	7.04	11.7	11.7	73.8	75.0	250	10.0-151			0.629	34
1,3,5-Trimethylbenzene	0.0250	0.701	5.99	5.90	84.6	83.2	250	10.0-150			1.44	33
Vinyl acetate	0.125	U	20.4	23.8	65.1	76.0	250	10.0-160			15.4	40
Vinyl chloride	0.0250	U	7.01	7.06	112	113	250	10.0-150			0.645	29
Xylenes, Total	0.0750	1.85	17.3	17.3	82.2	82.2	250	10.0-150			0.000	31
(S) Toluene-d8					*99.6*	*97.5*		*80.0-120*				
(S) Dibromofluoromethane					*102*	*99.1*		*74.0-131*				
(S) 4-Bromofluorobenzene					*100*	*95.5*		*64.0-132*				

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Abbreviations and Definitions

(dry)	Results are reported based on the dry weight of the sample. [this will only be present on a dry report basis for soils].
MDL	Method Detection Limit.
MDL (dry)	Method Detection Limit.
RDL	Reported Detection Limit.
RDL (dry)	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
J	The identification of the analyte is acceptable; the reported value is an estimate.
J0	J0: Calibration verification outside of acceptance limits. Result is estimated.
J3	The associated batch QC was outside the established quality control range for precision.
J4	The associated batch QC was outside the established quality control range for accuracy.

ACCREDITATIONS & LOCATIONS

ESC Lab Sciences is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our one location design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be YOUR LAB OF CHOICE.

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by ESC Lab Sciences.

State Accreditations

Alabama	40660
Alaska	17-026
Arizona	AZ0612
Arkansas	88-0469
California	2932
Colorado	TN00003
Connecticut	PH-0197
Florida	E87487
Georgia	NELAP
Georgia [1]	923
Idaho	TN00003
Illinois	200008
Indiana	C-TN-01
Iowa	364
Kansas	E-10277
Kentucky [1,6]	90010
Kentucky [2]	16
Louisiana	AI30792
Louisiana [1]	LA180010
Maine	TN0002
Maryland	324
Massachusetts	M-TN003
Michigan	9958
Minnesota	047-999-395
Mississippi	TN00003
Missouri	340
Montana	CERT0086
Nebraska	NE-OS-15-05
Nevada	TN-03-2002-34
New Hampshire	2975
New Jersey–NELAP	TN002
New Mexico [1]	n/a
New York	11742
North Carolina	Env375
North Carolina [1]	DW21704
North Carolina [3]	41
North Dakota	R-140
Ohio–VAP	CL0069
Oklahoma	9915
Oregon	TN200002
Pennsylvania	68-02979
Rhode Island	LAO00356
South Carolina	84004
South Dakota	n/a
Tennessee [1,4]	2006
Texas	T 104704245-17-14
Texas [5]	LAB0152
Utah	TN00003
Vermont	VT2006
Virginia	460132
Washington	C847
West Virginia	233
Wisconsin	9980939910
Wyoming	A2LA

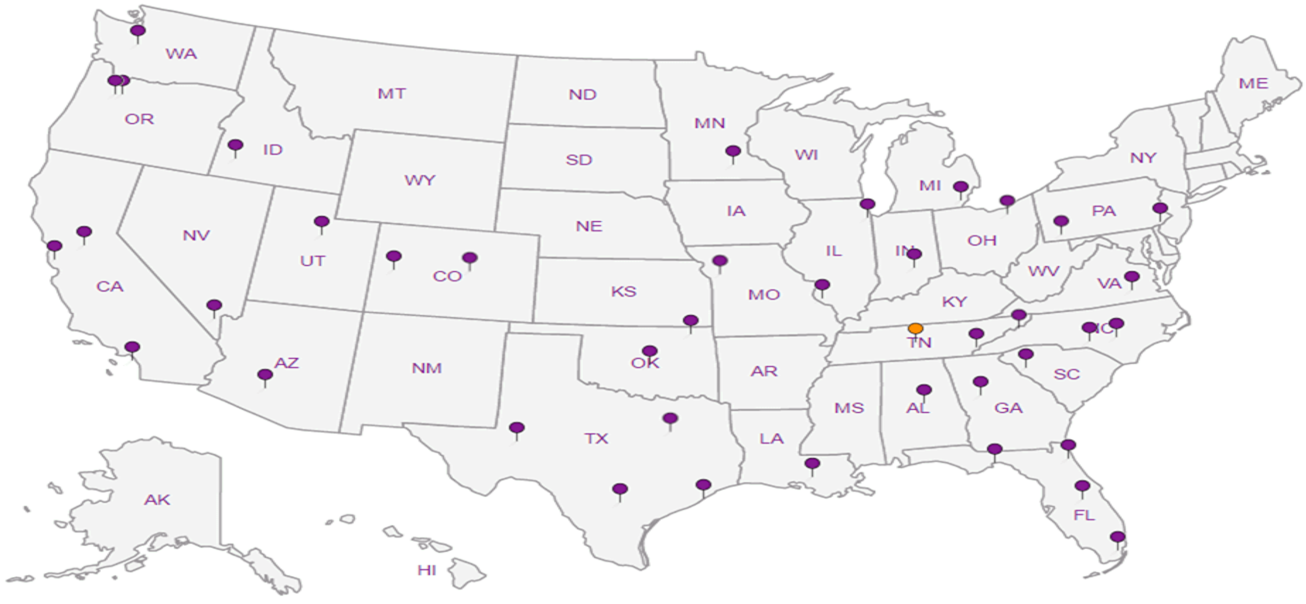
Third Party Federal Accreditations

A2LA – ISO 17025	1461.01
A2LA – ISO 17025 [5]	1461.02
Canada	1461.01
EPA–Crypto	TN00003
AIHA-LAP,LLC EMLAP	100789
DOD	1461.01
USDA	P330-15-00234

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

Our Locations

ESC Lab Sciences has sixty-four client support centers that provide sample pickup and/or the delivery of sampling supplies. If you would like assistance from one of our support offices, please contact our main office. ESC Lab Sciences performs all testing at our central laboratory.



PES Environmental, Inc.- WA

1215 Fourth Ave., Suite 1350
Seattle, WA 98161

Billing Information:
Attn: Accounts Payable
1215 Fourth Ave., Ste. 1350
Seattle, WA 98161

Pres Chk

Analysis / Container / Preservative

Chain of Custody Page ___ of ___

ESC LAB SCIENCES

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# 980954

E012

Table

Acctnum: **PESENVSWA**
Template: **T134174**
Prelogin: **P645177**
TSR: **110 - Brian Ford**
PB:
Shipped Via:

Report to: **Brian O'Neal/Bill Haldeman**

Email To: boneal@pesenv.com; bhaldeman@pesenv.com

Project Description:

City/State Collected:

Phone: 206-529-3980
Fax: 206-529-3985

Client Project #: 1413.001.05.601

Lab Project #: PESENVSWA-ALP

Collected by (print):

Site/Facility ID #:

P.O. #:

Collected by (signature):

Immediately Packed on Ice N ___ Y ___

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #:

Date Results Needed:

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260C VOCs 40ml/NaHS04/Syr/MeOH	dry wt,voc screen 2ozClr-NoPres									Remarks	Sample # (lab only)
IW-51A-50	Grab	SS	50	3-26-18	1123	5	X	X										01
IW-51A-55		SS	55		1132		X	X										02
IW-51A-60		SS	60		1141		X	X										03
IW-51A-62		SS	62		1152		X	X										04
IW-50A-5	Grab	SS	5	3-27-18	1010		X	X										05
IW-50A-10		SS	10		1023		X	X										06
IW-50A-15		SS	15		1037		X	X										07
IW-50A-20		SS	20		1059		X	X										08
IW-50A-25		SS	25		1107		X	X										09
IW-50A-30		SS	30		1114		X	X										10

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other ________

Remarks:

pH ______ Temp ______
Flow ______ Other ______

Samples returned via:
__ UPS [✓ FedEx] __ Courier ______

Tracking # 4196 3259 2164

Sample Receipt Checklist
COC Seal Present/Intact: [✓ NP] __Y __N
COC Signed/Accurate: [✓ Y] __N
Bottles arrive intact: [✓ Y] __N
Correct bottles used: [✓ Y] __N
Sufficient volume sent: [✓ Y] __N
If Applicable
VOA Zero Headspace: __Y __N
Preservation Correct/Checked: __Y __N

Relinquished by: (Signature)	Date: 3-27-18	Time: 1630	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR	
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Temp: 0.8 EM 10 °C	Bottles Received: 90
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature) 860	Date: 3/28/18	Time: 845

If preservation required by Login: Date/Time

Hold:

Condition: NCF / [✓ OK]

PES Environmental, Inc.- WA

1215 Fourth Ave., Suite 1350
Seattle, WA 98161

Billing Information:
Attn: Accounts Payable
1215 Fourth Ave., Ste. 1350
Seattle, WA 98161

Pres Chk

Analysis / Container / Preservative

Chain of Custody Page ___ of ___

ESC LAB SCIENCES
a subsidiary of Pace Analytical

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

Report to:
Brian O'Neal/Bill Haldeman

Email To: **boneal@pesenv.com; bhaldeman@pesenv.com**

Project Description:

City/State Collected: Seattle WA

Phone: **206-529-3980**
Fax: **206-529-3985**

Client Project #
1413.001.05.601

Lab Project #
PESENVSWA-ALP

L# 970454

Table #

Acctnum: **PESENVSWA**
Template: **T134174**
Prelogin: **P645177**
TSR: **110 - Brian Ford**
PB:

Collected by (print): Dan Johnson

Site/Facility ID #

P.O. #

Collected by (signature): Dan Johnson

Immediately Packed on Ice N ___ Y X

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Shipped Via:

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260C VOCs 40ml/NaHSO4/Syr/MeOH	dry wt,voc screen 2ozClr-NoPres	Remarks	Sample # (lab only)
IW-50A-35	Grab	SS	35	3-27-18	1122	5	X	X		11
IW-50A-40		SS	40		1144		X	X		12
IW-50A-42		SS	42		1152		X	X		13
IW-50A-45		SS	45		1204		X	X		14
IW-50A-50		SS	50		1304		X	X		15
IW-50A-55		SS	55		1320		X	X		16
IW-50A-60		SS	60		1327		X	X		17
IW-906-50		SS	50		1115		X	X		18

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other________

Remarks:

pH ______ Temp ______

Flow ______ Other ______

Samples returned via:
__ UPS ✓ FedEx __ Courier ______

Tracking # 4196 3259 2164

Sample Receipt Checklist
COC Seal Present/Intact: ✓ NP __Y __N
COC Signed/Accurate: ✓Y __N
Bottles arrive intact: ✓Y __N
Correct bottles used: ✓Y __N
Sufficient volume sent: ✓Y __N
If Applicable
VOA Zero Headspace: __Y __N
Preservation Correct/Checked: __Y __N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR
RT McLaughlin	3-27-18	1630		

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp:	Bottles Received:	If preservation required by Login: Date/Time
				0.8 VOC 10	90	

Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date:	Time:	Hold:	Condition:
				3/28/18	845		NCF / [✓ OK]

MEMORANDUM

TO: Project File **DATE:** April 19, 2018

FROM: Jessie Compeau

SUBJECT: Laboratory Data Validation Review

PROJECT: Former American Linen Supply Site, Seattle WA

PROJECT #: 1413.001.05.304

TASK: March 26 and 27, 2018 – Soil Samples

LAB: ESC Lab ID L980954

Eighteen (18) soil samples including a field duplicate sample were collected as part of a sampling event at the Former American Linen Supply Site, in Seattle, Washington, on March 26-27, 2018. The samples were shipped and delivered to ESC Lab Sciences (ESC) of Mount Juliet, TN for laboratory analysis. Selected samples were analyzed for the following:

- Volatile organic compounds (VOCs) by United States Environmental Protection Agency (USEPA) Method 8260C; and
- Total Solids by Standard Methods 2540 G-2011.

The results are reported in ESC Sample Delivery Group (SDG) L980954. The sampling event occurred between March 2 and March 27 of 2018. Associated sample data are reported in ten ESC SDGs (SDGs L975879, L977245, L977743, L979219, L979234, L980300, L980719, L980722, L980954, and L980958). The quality assurance review of the sample data associated with SDG L980954 is summarized below.

DATA QUALIFICATIONS

Guidelines established by USEPA for a limited data validation review of analytical data along with ESC control limit criteria were used to validate the data. The comments presented in this memorandum refer to the laboratory's performance in meeting the quality control criteria outlined in the USEPA Contract Laboratory Program National Functional Guidelines for Organic Superfund Methods Data Review (USEPA, 2017).

DATA VALIDATION

Completeness

All samples were collected and analyzed as requested.

Sample Collection and Preservation

Samples were collected in laboratory-supplied sample containers preserved as appropriate for the individual analyses conducted. The samples were packed on ice and shipped by courier to ESC.

The laboratory reported that the cooler and samples were received at 0.8 degrees Centigrade (°C) and below the recommended temperature preservation of 6°C. The laboratory indicated that the samples were received in good condition. No data were qualified based upon the sample collection and preservation information.

Holding Times

USEPA Method 8260C:
All samples were analyzed for VOCs within the USEPA recommended holding time of fourteen days for soils from the date of sample collection. All holding time criteria were met.

Total Solids by SM 2540 G 2011:
Samples were analyzed within the USEPA recommended holding time of seven days for total solids.

Initial and Continuing Calibration

Calibration data for this project are not required for this deliverable however ESC's notes indicate the following:

- *USEPA Method 8260C:* Continuing calibration verification (CCV) issues were noted by ESC for acetone, carbon tetrachloride, chloromethane, 1,1-dichloropropene, 2,2-dichloropropane, n-hexane, isopropyl benzene, and 2-butanone (MEK) associated with soils within analytical batch WG1092087 (analyzed on March 31, 2018). These results are qualified by the laboratory "J0" to indicate that percent difference CCVs are outside of laboratory acceptance criteria. **Associated sample with laboratory qualified (J0) results are estimated and qualified (J/UJ).**

Method Blank Results

USEPA Method 8260C:
Laboratory method blanks were included with the analytical batch per method requirement. The target analytes (VOCs) were not detected in the method blanks at or above the reported detection limits (RDLs).

Total Solids by SM 2540 G 2011:
Laboratory method blanks were included with the analytical batches per method requirement. The target analytes (% solids) were not detected at a significant level in the method blanks and sample results are not impacted.

Trip Blank Results

USEPA Method 8260C:
A trip blank was not collected.

Field, Rinsate, or Equipment Blank Results

Field, rinsate, or equipment blanks were not collected.

Field Duplicate Analyses

Field duplicate (samples IW-50A-50 and IW-906-50) results are comparable and less than 30% RPD (for results >5X the RDL) with the following exceptions:

- Field duplicate RPD is greater than 30% for cis-1,2-dichloroethene, tetrachloroethene, and trichloroethene. **Field duplicate results for these compounds are estimated and qualified (J) due to poor field precision.**

Laboratory Duplicate Analyses

USEPA Method 8260C:
A laboratory duplicate sample was not analyzed. Refer to laboratory control sample/sample duplicate (LCS/LCSD) or field duplicate results for precision data.

Total Solids by SM 2540 G 2011:
Laboratory duplicate sample analyses were performed on client samples IW-50A-20 and IW-50A-30. The primary/duplicate RPDs for total solid analyses are within the laboratory control limit of 5%.

Surrogate Recoveries

USEPA Method 8260C:
The surrogate recovery results for the samples, laboratory control samples, matrix spike samples, and the method blanks are within the laboratory surrogate control limits for all of the analyses.

Laboratory Control Samples

USEPA Method 8260C:
LCS or LCS/LCSDs were analyzed by USEPA Method 8260C method. The LCS/LCSD %Rs and RPDs for the all target compounds are within the laboratory control criteria for soils with the following exceptions:

- Analytical batch WG1092087: LCS and/or LCSD recoveries for spiking compounds bromomethane, iodomethane, methylene chloride, and methyl tert-butyl ether were above laboratory acceptance criteria and qualified by the laboratory (J4). No action was necessary since these compounds were not detected in the associated samples.

- Analytical batch WG1092087: LCS/LCSD RPD values for acetone and hexachloro-1,3-butadiene are elevated due to wide but within spike recoveries. These compounds are laboratory qualified (J3). No action was taken in these cases.

Total Solids by SM 2540 G 2011:

The LCS %Rs for total solids are within the laboratory control criteria for soils.

Matrix Spike/Matrix Spike Duplicates

USEPA Method 8260C:
Matrix spike/matrix spike duplicate (MS/MSD) analyses was performed on a non-client sample within the analytical batch. The MS/MSD %Rs and RPDs for the all target compounds are within the laboratory control criteria for soils with the following exceptions:

- Analytical batch WG1092087: MS/MSD RPD value for acetone is elevated due to wide but within spike recoveries. These compounds are laboratory qualified (J3). No action was taken in these cases.

Refer to LCS, LCS/LCSD, or field duplicate results for additional quality control information.

Other Quality Control Issues

No laboratory quality control issues were identified in the laboratory report.

Compound Identification and Quantitation Limits

The RDLs used for this sample group are acceptable for the project. Several samples were diluted due to elevated concentrations of various target analytes.

Detections between the MDL and RDL are estimated (J) by the laboratory and qualified (J) by the data validator to re-emphasize that the detection is estimated.

Data Assessment

The laboratory data reported for this project were reviewed based on laboratory control limit acceptance criteria and criteria outlined in:

- USEPA Contract Laboratory Program National Functional Guidelines for Organic Superfund Methods Data Review (USEPA, 2017).

Data qualifiers were assigned and laboratory report pages with qualifiers are attached. All data, including qualified data, are judged to be acceptable for their intended use.

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	87.3		1	04/02/2018 09:01	WG1092325

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.0181 J	J	0.0115	0.0573	1	03/31/2018 03:29	WG1091812
Acrylonitrile	U		0.00205	0.0115	1	03/31/2018 03:29	WG1091812
Benzene	0.000378 J	J	0.000309	0.00115	1	03/31/2018 03:29	WG1091812
Bromobenzene	U		0.000325	0.00115	1	03/31/2018 03:29	WG1091812
Bromodichloromethane	U		0.000291	0.00115	1	03/31/2018 03:29	WG1091812
Bromochloromethane	U		0.000447	0.00573	1	03/31/2018 03:29	WG1091812
Bromoform	U		0.000486	0.00115	1	03/31/2018 03:29	WG1091812
Bromomethane	U		0.00154	0.00573	1	03/31/2018 03:29	WG1091812
n-Butylbenzene	U		0.000296	0.00115	1	03/31/2018 03:29	WG1091812
sec-Butylbenzene	U		0.000230	0.00115	1	03/31/2018 03:29	WG1091812
tert-Butylbenzene	U		0.000236	0.00115	1	03/31/2018 03:29	WG1091812
Carbon disulfide	0.000907 J	J	0.000253	0.00115	1	03/31/2018 03:29	WG1091812
Carbon tetrachloride	U		0.000376	0.00115	1	03/31/2018 03:29	WG1091812
Chlorobenzene	U		0.000243	0.00115	1	03/31/2018 03:29	WG1091812
Chlorodibromomethane	U		0.000427	0.00115	1	03/31/2018 03:29	WG1091812
Chloroethane	U		0.00108	0.00573	1	03/31/2018 03:29	WG1091812
Chloroform	U		0.000262	0.00573	1	03/31/2018 03:29	WG1091812
Chloromethane	U		0.000430	0.00286	1	03/31/2018 03:29	WG1091812
2-Chlorotoluene	U		0.000345	0.00115	1	03/31/2018 03:29	WG1091812
4-Chlorotoluene	U		0.000275	0.00115	1	03/31/2018 03:29	WG1091812
1,2-Dibromo-3-Chloropropane	U		0.00120	0.00573	1	03/31/2018 03:29	WG1091812
1,2-Dibromoethane	U		0.000393	0.00115	1	03/31/2018 03:29	WG1091812
Dibromomethane	U		0.000438	0.00115	1	03/31/2018 03:29	WG1091812
1,2-Dichlorobenzene	U		0.000349	0.00115	1	03/31/2018 03:29	WG1091812
1,3-Dichlorobenzene	U		0.000274	0.00115	1	03/31/2018 03:29	WG1091812
1,4-Dichlorobenzene	U		0.000259	0.00115	1	03/31/2018 03:29	WG1091812
Dichlorodifluoromethane	U		0.000817	0.00573	1	03/31/2018 03:29	WG1091812
1,1-Dichloroethane	U		0.000228	0.00115	1	03/31/2018 03:29	WG1091812
1,2-Dichloroethane	U		0.000304	0.00115	1	03/31/2018 03:29	WG1091812
1,1-Dichloroethene	0.00233		0.000347	0.00115	1	03/31/2018 03:29	WG1091812
cis-1,2-Dichloroethene	2.06		0.0135	0.0573	50	04/01/2018 14:48	WG1091812
trans-1,2-Dichloroethene	0.000572 J	J	0.000302	0.00115	1	03/31/2018 03:29	WG1091812
1,2-Dichloropropane	U		0.000410	0.00115	1	03/31/2018 03:29	WG1091812
1,1-Dichloropropene	U		0.000363	0.00115	1	03/31/2018 03:29	WG1091812
1,3-Dichloropropane	U		0.000237	0.00115	1	03/31/2018 03:29	WG1091812
cis-1,3-Dichloropropene	U		0.000300	0.00115	1	03/31/2018 03:29	WG1091812
trans-1,3-Dichloropropene	U		0.000306	0.00115	1	03/31/2018 03:29	WG1091812
trans-1,4-Dichloro-2-butene	U		0.000891	0.00286	1	03/31/2018 03:29	WG1091812
2,2-Dichloropropane	U		0.000320	0.00115	1	03/31/2018 03:29	WG1091812
Di-isopropyl ether	U		0.000284	0.00115	1	03/31/2018 03:29	WG1091812
Ethylbenzene	U		0.000340	0.00115	1	03/31/2018 03:29	WG1091812
Hexachloro-1,3-butadiene	U		0.000392	0.00115	1	03/31/2018 03:29	WG1091812
2-Hexanone	U		0.00157	0.0115	1	03/31/2018 03:29	WG1091812
n-Hexane	U		0.000332	0.0115	1	03/31/2018 03:29	WG1091812
Iodomethane	U		0.00290	0.0115	1	03/31/2018 03:29	WG1091812
Isopropylbenzene	U		0.000278	0.00115	1	03/31/2018 03:29	WG1091812
p-Isopropyltoluene	U		0.000234	0.00115	1	03/31/2018 03:29	WG1091812
2-Butanone (MEK)	0.0540		0.00536	0.0115	1	03/31/2018 03:29	WG1091812
Methylene Chloride	U		0.00115	0.00573	1	03/31/2018 03:29	WG1091812
4-Methyl-2-pentanone (MIBK)	U		0.00215	0.0115	1	03/31/2018 03:29	WG1091812

JC 4/19/18

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000243	0.00115	1	03/31/2018 03:29	WG1091812
Naphthalene	U		0.00115	0.00573	1	03/31/2018 03:29	WG1091812
n-Propylbenzene	U		0.000236	0.00115	1	03/31/2018 03:29	WG1091812
Styrene	U		0.000268	0.00115	1	03/31/2018 03:29	WG1091812
1,1,1,2-Tetrachloroethane	U		0.000302	0.00115	1	03/31/2018 03:29	WG1091812
1,1,2,2-Tetrachloroethane	U		0.000418	0.00115	1	03/31/2018 03:29	WG1091812
1,1,2-Trichlorotrifluoroethane	U		0.000418	0.00115	1	03/31/2018 03:29	WG1091812
Tetrachloroethene	1.36		0.0158	0.0573	50	04/01/2018 14:48	WG1091812
Toluene	U		0.000497	0.00573	1	03/31/2018 03:29	WG1091812
1,2,3-Trichlorobenzene	U		0.000351	0.00115	1	03/31/2018 03:29	WG1091812
1,2,4-Trichlorobenzene	U		0.000444	0.00115	1	03/31/2018 03:29	WG1091812
1,1,1-Trichloroethane	U		0.000328	0.00115	1	03/31/2018 03:29	WG1091812
1,1,2-Trichloroethane	U		0.000317	0.00115	1	03/31/2018 03:29	WG1091812
Trichloroethene	0.0165		0.000320	0.00115	1	03/31/2018 03:29	WG1091812
Trichlorofluoromethane	U		0.000438	0.00573	1	03/31/2018 03:29	WG1091812
1,2,3-Trichloropropane	U		0.000849	0.00286	1	03/31/2018 03:29	WG1091812
1,2,4-Trimethylbenzene	U		0.000242	0.00115	1	03/31/2018 03:29	WG1091812
1,2,3-Trimethylbenzene	U		0.000329	0.00115	1	03/31/2018 03:29	WG1091812
1,3,5-Trimethylbenzene	U		0.000305	0.00115	1	03/31/2018 03:29	WG1091812
Vinyl acetate	U		0.00274	0.0115	1	03/31/2018 03:29	WG1091812
Vinyl chloride	0.00557		0.000333	0.00115	1	03/31/2018 03:29	WG1091812
Xylenes, Total	U		0.000800	0.00344	1	03/31/2018 03:29	WG1091812
(S) Toluene-d8	*102*			*80.0-120*		*03/31/2018 03:29*	WG1091812
(S) Toluene-d8	*106*			*80.0-120*		*04/01/2018 14:48*	WG1091812
(S) Dibromofluoromethane	*103*			*74.0-131*		*03/31/2018 03:29*	WG1091812
(S) Dibromofluoromethane	*95.1*			*74.0-131*		*04/01/2018 14:48*	WG1091812
(S) 4-Bromofluorobenzene	*113*			*64.0-132*		*03/31/2018 03:29*	WG1091812
(S) 4-Bromofluorobenzene	*87.0*			*64.0-132*		*04/01/2018 14:48*	WG1091812

JC 4/19/18

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	87.2		1	04/02/2018 09:01	WG1092325

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.0198 J	J	0.0115	0.0573	1	03/31/2018 03:50	WG1091812
Acrylonitrile	U		0.00205	0.0115	1	03/31/2018 03:50	WG1091812
Benzene	U		0.000310	0.00115	1	03/31/2018 03:50	WG1091812
Bromobenzene	U		0.000326	0.00115	1	03/31/2018 03:50	WG1091812
Bromodichloromethane	U		0.000291	0.00115	1	03/31/2018 03:50	WG1091812
Bromochloromethane	U		0.000447	0.00573	1	03/31/2018 03:50	WG1091812
Bromoform	U		0.000486	0.00115	1	03/31/2018 03:50	WG1091812
Bromomethane	U		0.00154	0.00573	1	03/31/2018 03:50	WG1091812
n-Butylbenzene	U		0.000296	0.00115	1	03/31/2018 03:50	WG1091812
sec-Butylbenzene	U		0.000230	0.00115	1	03/31/2018 03:50	WG1091812
tert-Butylbenzene	U		0.000236	0.00115	1	03/31/2018 03:50	WG1091812
Carbon disulfide	0.000492 J	J	0.000253	0.00115	1	03/31/2018 03:50	WG1091812
Carbon tetrachloride	U		0.000376	0.00115	1	03/31/2018 03:50	WG1091812
Chlorobenzene	U		0.000243	0.00115	1	03/31/2018 03:50	WG1091812
Chlorodibromomethane	U		0.000428	0.00115	1	03/31/2018 03:50	WG1091812
Chloroethane	U		0.00108	0.00573	1	03/31/2018 03:50	WG1091812
Chloroform	U		0.000263	0.00573	1	03/31/2018 03:50	WG1091812
Chloromethane	U		0.000430	0.00287	1	03/31/2018 03:50	WG1091812
2-Chlorotoluene	U		0.000345	0.00115	1	03/31/2018 03:50	WG1091812
4-Chlorotoluene	U		0.000275	0.00115	1	03/31/2018 03:50	WG1091812
1,2-Dibromo-3-Chloropropane	U		0.00120	0.00573	1	03/31/2018 03:50	WG1091812
1,2-Dibromoethane	U		0.000393	0.00115	1	03/31/2018 03:50	WG1091812
Dibromomethane	U		0.000438	0.00115	1	03/31/2018 03:50	WG1091812
1,2-Dichlorobenzene	U		0.000350	0.00115	1	03/31/2018 03:50	WG1091812
1,3-Dichlorobenzene	U		0.000274	0.00115	1	03/31/2018 03:50	WG1091812
1,4-Dichlorobenzene	U		0.000259	0.00115	1	03/31/2018 03:50	WG1091812
Dichlorodifluoromethane	U		0.000817	0.00573	1	03/31/2018 03:50	WG1091812
1,1-Dichloroethane	U		0.000228	0.00115	1	03/31/2018 03:50	WG1091812
1,2-Dichloroethane	U		0.000304	0.00115	1	03/31/2018 03:50	WG1091812
1,1-Dichloroethene	0.000907 J	J	0.000347	0.00115	1	03/31/2018 03:50	WG1091812
cis-1,2-Dichloroethene	0.729		0.00674	0.0287	25	04/01/2018 15:08	WG1091812
trans-1,2-Dichloroethene	U		0.000303	0.00115	1	03/31/2018 03:50	WG1091812
1,2-Dichloropropane	U		0.000410	0.00115	1	03/31/2018 03:50	WG1091812
1,1-Dichloropropene	U		0.000363	0.00115	1	03/31/2018 03:50	WG1091812
1,3-Dichloropropane	U		0.000237	0.00115	1	03/31/2018 03:50	WG1091812
cis-1,3-Dichloropropene	U		0.000300	0.00115	1	03/31/2018 03:50	WG1091812
trans-1,3-Dichloropropene	U		0.000306	0.00115	1	03/31/2018 03:50	WG1091812
trans-1,4-Dichloro-2-butene	U		0.000892	0.00287	1	03/31/2018 03:50	WG1091812
2,2-Dichloropropane	U		0.000320	0.00115	1	03/31/2018 03:50	WG1091812
Di-isopropyl ether	U		0.000284	0.00115	1	03/31/2018 03:50	WG1091812
Ethylbenzene	U		0.000340	0.00115	1	03/31/2018 03:50	WG1091812
Hexachloro-1,3-butadiene	U		0.000392	0.00115	1	03/31/2018 03:50	WG1091812
2-Hexanone	U		0.00157	0.0115	1	03/31/2018 03:50	WG1091812
n-Hexane	U		0.000332	0.0115	1	03/31/2018 03:50	WG1091812
Iodomethane	U		0.00290	0.0115	1	03/31/2018 03:50	WG1091812
Isopropylbenzene	U		0.000279	0.00115	1	03/31/2018 03:50	WG1091812
p-Isopropyltoluene	U		0.000234	0.00115	1	03/31/2018 03:50	WG1091812
2-Butanone (MEK)	0.0160		0.00536	0.0115	1	03/31/2018 03:50	WG1091812
Methylene Chloride	U		0.00115	0.00573	1	03/31/2018 03:50	WG1091812
4-Methyl-2-pentanone (MIBK)	U		0.00216	0.0115	1	03/31/2018 03:50	WG1091812

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000243	0.00115	1	03/31/2018 03:50	WG1091812
Naphthalene	U		0.00115	0.00573	1	03/31/2018 03:50	WG1091812
n-Propylbenzene	U		0.000236	0.00115	1	03/31/2018 03:50	WG1091812
Styrene	U		0.000268	0.00115	1	03/31/2018 03:50	WG1091812
1,1,1,2-Tetrachloroethane	U		0.000303	0.00115	1	03/31/2018 03:50	WG1091812
1,1,2,2-Tetrachloroethane	U		0.000418	0.00115	1	03/31/2018 03:50	WG1091812
1,1,2-Trichlorotrifluoroethane	U		0.000418	0.00115	1	03/31/2018 03:50	WG1091812
Tetrachloroethene	0.103		0.000316	0.00115	1	03/31/2018 03:50	WG1091812
Toluene	U		0.000498	0.00573	1	03/31/2018 03:50	WG1091812
1,2,3-Trichlorobenzene	U		0.000351	0.00115	1	03/31/2018 03:50	WG1091812
1,2,4-Trichlorobenzene	U		0.000445	0.00115	1	03/31/2018 03:50	WG1091812
1,1,1-Trichloroethane	U		0.000328	0.00115	1	03/31/2018 03:50	WG1091812
1,1,2-Trichloroethane	U		0.000318	0.00115	1	03/31/2018 03:50	WG1091812
Trichloroethene	0.00933		0.000320	0.00115	1	03/31/2018 03:50	WG1091812
Trichlorofluoromethane	U		0.000438	0.00573	1	03/31/2018 03:50	WG1091812
1,2,3-Trichloropropane	U		0.000849	0.00287	1	03/31/2018 03:50	WG1091812
1,2,4-Trimethylbenzene	U		0.000242	0.00115	1	03/31/2018 03:50	WG1091812
1,2,3-Trimethylbenzene	U		0.000329	0.00115	1	03/31/2018 03:50	WG1091812
1,3,5-Trimethylbenzene	U		0.000305	0.00115	1	03/31/2018 03:50	WG1091812
Vinyl acetate	U		0.00274	0.0115	1	03/31/2018 03:50	WG1091812
Vinyl chloride	0.00612		0.000334	0.00115	1	03/31/2018 03:50	WG1091812
Xylenes, Total	U		0.000800	0.00344	1	03/31/2018 03:50	WG1091812
(S) Toluene-d8	*100*			*80.0-120*		*03/31/2018 03:50*	WG1091812
(S) Toluene-d8	*106*			*80.0-120*		*04/01/2018 15:08*	WG1091812
(S) Dibromofluoromethane	*103*			*74.0-131*		*03/31/2018 03:50*	WG1091812
(S) Dibromofluoromethane	*92.1*			*74.0-131*		*04/01/2018 15:08*	WG1091812
(S) 4-Bromofluorobenzene	*108*			*64.0-132*		*03/31/2018 03:50*	WG1091812
(S) 4-Bromofluorobenzene	*88.6*			*64.0-132*		*04/01/2018 15:08*	WG1091812

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Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	93.0		1	04/02/2018 09:01	WG1092325

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0108	0.0538	1	03/31/2018 04:11	WG1091812
Acrylonitrile	U		0.00193	0.0108	1	03/31/2018 04:11	WG1091812
Benzene	U		0.000290	0.00108	1	03/31/2018 04:11	WG1091812
Bromobenzene	U		0.000305	0.00108	1	03/31/2018 04:11	WG1091812
Bromodichloromethane	U		0.000273	0.00108	1	03/31/2018 04:11	WG1091812
Bromochloromethane	U		0.000420	0.00538	1	03/31/2018 04:11	WG1091812
Bromoform	U		0.000456	0.00108	1	03/31/2018 04:11	WG1091812
Bromomethane	U		0.00144	0.00538	1	03/31/2018 04:11	WG1091812
n-Butylbenzene	U		0.000278	0.00108	1	03/31/2018 04:11	WG1091812
sec-Butylbenzene	U		0.000216	0.00108	1	03/31/2018 04:11	WG1091812
tert-Butylbenzene	U		0.000222	0.00108	1	03/31/2018 04:11	WG1091812
Carbon disulfide	0.000255 J	J	0.000238	0.00108	1	03/31/2018 04:11	WG1091812
Carbon tetrachloride	U		0.000353	0.00108	1	03/31/2018 04:11	WG1091812
Chlorobenzene	U		0.000228	0.00108	1	03/31/2018 04:11	WG1091812
Chlorodibromomethane	U		0.000401	0.00108	1	03/31/2018 04:11	WG1091812
Chloroethane	U		0.00102	0.00538	1	03/31/2018 04:11	WG1091812
Chloroform	U		0.000246	0.00538	1	03/31/2018 04:11	WG1091812
Chloromethane	U		0.000403	0.00269	1	03/31/2018 04:11	WG1091812
2-Chlorotoluene	U		0.000324	0.00108	1	03/31/2018 04:11	WG1091812
4-Chlorotoluene	U		0.000258	0.00108	1	03/31/2018 04:11	WG1091812
1,2-Dibromo-3-Chloropropane	U		0.00113	0.00538	1	03/31/2018 04:11	WG1091812
1,2-Dibromoethane	U		0.000369	0.00108	1	03/31/2018 04:11	WG1091812
Dibromomethane	U		0.000411	0.00108	1	03/31/2018 04:11	WG1091812
1,2-Dichlorobenzene	U		0.000328	0.00108	1	03/31/2018 04:11	WG1091812
1,3-Dichlorobenzene	U		0.000257	0.00108	1	03/31/2018 04:11	WG1091812
1,4-Dichlorobenzene	U		0.000243	0.00108	1	03/31/2018 04:11	WG1091812
Dichlorodifluoromethane	U		0.000767	0.00538	1	03/31/2018 04:11	WG1091812
1,1-Dichloroethane	U		0.000214	0.00108	1	03/31/2018 04:11	WG1091812
1,2-Dichloroethane	U		0.000285	0.00108	1	03/31/2018 04:11	WG1091812
1,1-Dichloroethene	U		0.000326	0.00108	1	03/31/2018 04:11	WG1091812
cis-1,2-Dichloroethene	0.00129		0.000253	0.00108	1	04/01/2018 14:09	WG1091812
trans-1,2-Dichloroethene	U		0.000284	0.00108	1	03/31/2018 04:11	WG1091812
1,2-Dichloropropane	U		0.000385	0.00108	1	03/31/2018 04:11	WG1091812
1,1-Dichloropropene	U		0.000341	0.00108	1	03/31/2018 04:11	WG1091812
1,3-Dichloropropane	U		0.000223	0.00108	1	03/31/2018 04:11	WG1091812
cis-1,3-Dichloropropene	U		0.000282	0.00108	1	03/31/2018 04:11	WG1091812
trans-1,3-Dichloropropene	U		0.000287	0.00108	1	03/31/2018 04:11	WG1091812
trans-1,4-Dichloro-2-butene	U		0.000837	0.00269	1	03/31/2018 04:11	WG1091812
2,2-Dichloropropane	U		0.000300	0.00108	1	03/31/2018 04:11	WG1091812
Di-isopropyl ether	U		0.000267	0.00108	1	03/31/2018 04:11	WG1091812
Ethylbenzene	U		0.000319	0.00108	1	03/31/2018 04:11	WG1091812
Hexachloro-1,3-butadiene	U		0.000368	0.00108	1	03/31/2018 04:11	WG1091812
2-Hexanone	U		0.00147	0.0108	1	03/31/2018 04:11	WG1091812
n-Hexane	U		0.000312	0.0108	1	03/31/2018 04:11	WG1091812
Iodomethane	U		0.00272	0.0108	1	03/31/2018 04:11	WG1091812
Isopropylbenzene	U		0.000261	0.00108	1	03/31/2018 04:11	WG1091812
p-Isopropyltoluene	U		0.000219	0.00108	1	03/31/2018 04:11	WG1091812
2-Butanone (MEK)	U		0.00503	0.0108	1	03/31/2018 04:11	WG1091812
Methylene Chloride	U		0.00108	0.00538	1	03/31/2018 04:11	WG1091812
4-Methyl-2-pentanone (MIBK)	U		0.00202	0.0108	1	03/31/2018 04:11	WG1091812

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000228	0.00108	1	03/31/2018 04:11	WG1091812
Naphthalene	U		0.00108	0.00538	1	03/31/2018 04:11	WG1091812
n-Propylbenzene	U		0.000222	0.00108	1	03/31/2018 04:11	WG1091812
Styrene	U		0.000252	0.00108	1	03/31/2018 04:11	WG1091812
1,1,1,2-Tetrachloroethane	U		0.000284	0.00108	1	03/31/2018 04:11	WG1091812
1,1,2,2-Tetrachloroethane	U		0.000393	0.00108	1	03/31/2018 04:11	WG1091812
1,1,2-Trichlorotrifluoroethane	U		0.000393	0.00108	1	03/31/2018 04:11	WG1091812
Tetrachloroethene	0.000796 J	J	0.000297	0.00108	1	03/31/2018 04:11	WG1091812
Toluene	U		0.000467	0.00538	1	03/31/2018 04:11	WG1091812
1,2,3-Trichlorobenzene	U		0.000329	0.00108	1	03/31/2018 04:11	WG1091812
1,2,4-Trichlorobenzene	U		0.000417	0.00108	1	03/31/2018 04:11	WG1091812
1,1,1-Trichloroethane	U		0.000308	0.00108	1	03/31/2018 04:11	WG1091812
1,1,2-Trichloroethane	U		0.000298	0.00108	1	03/31/2018 04:11	WG1091812
Trichloroethene	U		0.000300	0.00108	1	03/31/2018 04:11	WG1091812
Trichlorofluoromethane	U		0.000411	0.00538	1	03/31/2018 04:11	WG1091812
1,2,3-Trichloropropane	U		0.000797	0.00269	1	03/31/2018 04:11	WG1091812
1,2,4-Trimethylbenzene	U		0.000227	0.00108	1	03/31/2018 04:11	WG1091812
1,2,3-Trimethylbenzene	U		0.000309	0.00108	1	03/31/2018 04:11	WG1091812
1,3,5-Trimethylbenzene	U		0.000286	0.00108	1	03/31/2018 04:11	WG1091812
Vinyl acetate	U		0.00257	0.0108	1	03/31/2018 04:11	WG1091812
Vinyl chloride	0.000706 J	J	0.000313	0.00108	1	03/31/2018 04:11	WG1091812
Xylenes, Total	U		0.000751	0.00323	1	03/31/2018 04:11	WG1091812
(S) Toluene-d8	*103*			*80.0-120*		*03/31/2018 04:11*	WG1091812
(S) Toluene-d8	*107*			*80.0-120*		*04/01/2018 14:09*	WG1091812
(S) Dibromofluoromethane	*101*			*74.0-131*		*04/01/2018 14:09*	WG1091812
(S) Dibromofluoromethane	*106*			*74.0-131*		*03/31/2018 04:11*	WG1091812
(S) 4-Bromofluorobenzene	*105*			*64.0-132*		*03/31/2018 04:11*	WG1091812
(S) 4-Bromofluorobenzene	*94.6*			*64.0-132*		*04/01/2018 14:09*	WG1091812

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Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	91.9		1	04/02/2018 09:01	WG1092325

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0109	0.0544	1	03/31/2018 04:32	WG1091812
Acrylonitrile	U		0.00195	0.0109	1	03/31/2018 04:32	WG1091812
Benzene	U		0.000294	0.00109	1	03/31/2018 04:32	WG1091812
Bromobenzene	U		0.000309	0.00109	1	03/31/2018 04:32	WG1091812
Bromodichloromethane	U		0.000276	0.00109	1	03/31/2018 04:32	WG1091812
Bromochloromethane	U		0.000424	0.00544	1	03/31/2018 04:32	WG1091812
Bromoform	U		0.000461	0.00109	1	03/31/2018 04:32	WG1091812
Bromomethane	U		0.00146	0.00544	1	03/31/2018 04:32	WG1091812
n-Butylbenzene	U		0.000281	0.00109	1	03/31/2018 04:32	WG1091812
sec-Butylbenzene	U		0.000219	0.00109	1	03/31/2018 04:32	WG1091812
tert-Butylbenzene	U		0.000224	0.00109	1	03/31/2018 04:32	WG1091812
Carbon disulfide	0.000264 J	J	0.000240	0.00109	1	03/31/2018 04:32	WG1091812
Carbon tetrachloride	U		0.000357	0.00109	1	03/31/2018 04:32	WG1091812
Chlorobenzene	U		0.000231	0.00109	1	03/31/2018 04:32	WG1091812
Chlorodibromomethane	U		0.000406	0.00109	1	03/31/2018 04:32	WG1091812
Chloroethane	U		0.00103	0.00544	1	03/31/2018 04:32	WG1091812
Chloroform	U		0.000249	0.00544	1	03/31/2018 04:32	WG1091812
Chloromethane	U		0.000408	0.00272	1	03/31/2018 04:32	WG1091812
2-Chlorotoluene	U		0.000327	0.00109	1	03/31/2018 04:32	WG1091812
4-Chlorotoluene	U		0.000261	0.00109	1	03/31/2018 04:32	WG1091812
1,2-Dibromo-3-Chloropropane	U		0.00114	0.00544	1	03/31/2018 04:32	WG1091812
1,2-Dibromoethane	U		0.000373	0.00109	1	03/31/2018 04:32	WG1091812
Dibromomethane	U		0.000415	0.00109	1	03/31/2018 04:32	WG1091812
1,2-Dichlorobenzene	U		0.000332	0.00109	1	03/31/2018 04:32	WG1091812
1,3-Dichlorobenzene	U		0.000260	0.00109	1	03/31/2018 04:32	WG1091812
1,4-Dichlorobenzene	U		0.000246	0.00109	1	03/31/2018 04:32	WG1091812
Dichlorodifluoromethane	U		0.000776	0.00544	1	03/31/2018 04:32	WG1091812
1,1-Dichloroethane	U		0.000216	0.00109	1	03/31/2018 04:32	WG1091812
1,2-Dichloroethane	U		0.000288	0.00109	1	03/31/2018 04:32	WG1091812
1,1-Dichloroethene	U		0.000330	0.00109	1	03/31/2018 04:32	WG1091812
cis-1,2-Dichloroethene	0.00180		0.000256	0.00109	1	03/31/2018 04:32	WG1091812
trans-1,2-Dichloroethene	U		0.000287	0.00109	1	03/31/2018 04:32	WG1091812
1,2-Dichloropropane	U		0.000389	0.00109	1	03/31/2018 04:32	WG1091812
1,1-Dichloropropene	U		0.000345	0.00109	1	03/31/2018 04:32	WG1091812
1,3-Dichloropropane	U		0.000225	0.00109	1	03/31/2018 04:32	WG1091812
cis-1,3-Dichloropropene	U		0.000285	0.00109	1	03/31/2018 04:32	WG1091812
trans-1,3-Dichloropropene	U		0.000290	0.00109	1	03/31/2018 04:32	WG1091812
trans-1,4-Dichloro-2-butene	U		0.000846	0.00272	1	03/31/2018 04:32	WG1091812
2,2-Dichloropropane	U		0.000303	0.00109	1	03/31/2018 04:32	WG1091812
Di-isopropyl ether	U		0.000270	0.00109	1	03/31/2018 04:32	WG1091812
Ethylbenzene	U		0.000323	0.00109	1	03/31/2018 04:32	WG1091812
Hexachloro-1,3-butadiene	U		0.000372	0.00109	1	03/31/2018 04:32	WG1091812
2-Hexanone	U		0.00149	0.0109	1	03/31/2018 04:32	WG1091812
n-Hexane	U		0.000315	0.0109	1	03/31/2018 04:32	WG1091812
Iodomethane	U		0.00275	0.0109	1	03/31/2018 04:32	WG1091812
Isopropylbenzene	U		0.000264	0.00109	1	03/31/2018 04:32	WG1091812
p-Isopropyltoluene	U		0.000222	0.00109	1	03/31/2018 04:32	WG1091812
2-Butanone (MEK)	U		0.00509	0.0109	1	03/31/2018 04:32	WG1091812
Methylene Chloride	U		0.00109	0.00544	1	03/31/2018 04:32	WG1091812
4-Methyl-2-pentanone (MIBK)	U		0.00204	0.0109	1	03/31/2018 04:32	WG1091812

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IW-51A-62

SAMPLE RESULTS - 04

Collected date/time: 03/26/18 11:52

L980954

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000231	0.00109	1	03/31/2018 04:32	WG1091812
Naphthalene	U		0.00109	0.00544	1	03/31/2018 04:32	WG1091812
n-Propylbenzene	U		0.000224	0.00109	1	03/31/2018 04:32	WG1091812
Styrene	U		0.000255	0.00109	1	03/31/2018 04:32	WG1091812
1,1,1,2-Tetrachloroethane	U		0.000287	0.00109	1	03/31/2018 04:32	WG1091812
1,1,2,2-Tetrachloroethane	U		0.000397	0.00109	1	03/31/2018 04:32	WG1091812
1,1,2-Trichlorotrifluoroethane	U		0.000397	0.00109	1	03/31/2018 04:32	WG1091812
Tetrachloroethene	0.000824 J	J	0.000300	0.00109	1	03/31/2018 04:32	WG1091812
Toluene	U		0.000472	0.00544	1	03/31/2018 04:32	WG1091812
1,2,3-Trichlorobenzene	U		0.000333	0.00109	1	03/31/2018 04:32	WG1091812
1,2,4-Trichlorobenzene	U		0.000422	0.00109	1	03/31/2018 04:32	WG1091812
1,1,1-Trichloroethane	U		0.000311	0.00109	1	03/31/2018 04:32	WG1091812
1,1,2-Trichloroethane	U		0.000301	0.00109	1	03/31/2018 04:32	WG1091812
Trichloroethene	U		0.000303	0.00109	1	03/31/2018 04:32	WG1091812
Trichlorofluoromethane	U		0.000415	0.00544	1	03/31/2018 04:32	WG1091812
1,2,3-Trichloropropane	U		0.000806	0.00272	1	03/31/2018 04:32	WG1091812
1,2,4-Trimethylbenzene	U		0.000229	0.00109	1	03/31/2018 04:32	WG1091812
1,2,3-Trimethylbenzene	U		0.000312	0.00109	1	03/31/2018 04:32	WG1091812
1,3,5-Trimethylbenzene	U		0.000289	0.00109	1	03/31/2018 04:32	WG1091812
Vinyl acetate	U		0.00260	0.0109	1	03/31/2018 04:32	WG1091812
Vinyl chloride	0.00354		0.000317	0.00109	1	03/31/2018 04:32	WG1091812
Xylenes, Total	U		0.000759	0.00326	1	03/31/2018 04:32	WG1091812
(S) Toluene-d8	*99.1*			*80.0-120*		*03/31/2018 04:32*	WG1091812
(S) Dibromofluoromethane	*104*			*74.0-131*		*03/31/2018 04:32*	WG1091812
(S) 4-Bromofluorobenzene	*110*			*64.0-132*		*03/31/2018 04:32*	WG1091812

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Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	87.6		1	04/02/2018 09:01	WG1092325

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.0493 J	J	0.0114	0.0571	1	03/31/2018 04:54	WG1091812
Acrylonitrile	U		0.00204	0.0114	1	03/31/2018 04:54	WG1091812
Benzene	0.000343 J	J	0.000308	0.00114	1	03/31/2018 04:54	WG1091812
Bromobenzene	U		0.000324	0.00114	1	03/31/2018 04:54	WG1091812
Bromodichloromethane	U		0.000290	0.00114	1	03/31/2018 04:54	WG1091812
Bromochloromethane	U		0.000445	0.00571	1	03/31/2018 04:54	WG1091812
Bromoform	U		0.000484	0.00114	1	03/31/2018 04:54	WG1091812
Bromomethane	U		0.00153	0.00571	1	03/31/2018 04:54	WG1091812
n-Butylbenzene	U		0.000294	0.00114	1	03/31/2018 04:54	WG1091812
sec-Butylbenzene	U		0.000229	0.00114	1	03/31/2018 04:54	WG1091812
tert-Butylbenzene	U		0.000235	0.00114	1	03/31/2018 04:54	WG1091812
Carbon disulfide	0.000543 J	J	0.000252	0.00114	1	03/31/2018 04:54	WG1091812
Carbon tetrachloride	U		0.000374	0.00114	1	03/31/2018 04:54	WG1091812
Chlorobenzene	U		0.000242	0.00114	1	03/31/2018 04:54	WG1091812
Chlorodibromomethane	U		0.000426	0.00114	1	03/31/2018 04:54	WG1091812
Chloroethane	U		0.00108	0.00571	1	03/31/2018 04:54	WG1091812
Chloroform	U		0.000261	0.00571	1	03/31/2018 04:54	WG1091812
Chloromethane	U		0.000428	0.00285	1	03/31/2018 04:54	WG1091812
2-Chlorotoluene	U		0.000344	0.00114	1	03/31/2018 04:54	WG1091812
4-Chlorotoluene	U		0.000274	0.00114	1	03/31/2018 04:54	WG1091812
1,2-Dibromo-3-Chloropropane	U		0.00120	0.00571	1	03/31/2018 04:54	WG1091812
1,2-Dibromoethane	U		0.000392	0.00114	1	03/31/2018 04:54	WG1091812
Dibromomethane	U		0.000436	0.00114	1	03/31/2018 04:54	WG1091812
1,2-Dichlorobenzene	U		0.000348	0.00114	1	03/31/2018 04:54	WG1091812
1,3-Dichlorobenzene	U		0.000273	0.00114	1	03/31/2018 04:54	WG1091812
1,4-Dichlorobenzene	U		0.000258	0.00114	1	03/31/2018 04:54	WG1091812
Dichlorodifluoromethane	U		0.000814	0.00571	1	03/31/2018 04:54	WG1091812
1,1-Dichloroethane	U		0.000227	0.00114	1	03/31/2018 04:54	WG1091812
1,2-Dichloroethane	U		0.000302	0.00114	1	03/31/2018 04:54	WG1091812
1,1-Dichloroethene	U		0.000346	0.00114	1	03/31/2018 04:54	WG1091812
cis-1,2-Dichloroethene	U		0.000268	0.00114	1	03/31/2018 04:54	WG1091812
trans-1,2-Dichloroethene	U		0.000301	0.00114	1	03/31/2018 04:54	WG1091812
1,2-Dichloropropane	U		0.000409	0.00114	1	03/31/2018 04:54	WG1091812
1,1-Dichloropropene	U		0.000362	0.00114	1	03/31/2018 04:54	WG1091812
1,3-Dichloropropane	U		0.000236	0.00114	1	03/31/2018 04:54	WG1091812
cis-1,3-Dichloropropene	U		0.000299	0.00114	1	03/31/2018 04:54	WG1091812
trans-1,3-Dichloropropene	U		0.000305	0.00114	1	03/31/2018 04:54	WG1091812
trans-1,4-Dichloro-2-butene	U		0.000888	0.00285	1	03/31/2018 04:54	WG1091812
2,2-Dichloropropane	U		0.000318	0.00114	1	03/31/2018 04:54	WG1091812
Di-isopropyl ether	U		0.000283	0.00114	1	03/31/2018 04:54	WG1091812
Ethylbenzene	U		0.000339	0.00114	1	03/31/2018 04:54	WG1091812
Hexachloro-1,3-butadiene	U		0.000390	0.00114	1	03/31/2018 04:54	WG1091812
2-Hexanone	U		0.00156	0.0114	1	03/31/2018 04:54	WG1091812
n-Hexane	0.00123 J	J	0.000331	0.0114	1	03/31/2018 04:54	WG1091812
Iodomethane	U		0.00289	0.0114	1	03/31/2018 04:54	WG1091812
Isopropylbenzene	U		0.000277	0.00114	1	03/31/2018 04:54	WG1091812
p-Isopropyltoluene	U		0.000233	0.00114	1	03/31/2018 04:54	WG1091812
2-Butanone (MEK)	U		0.00534	0.0114	1	03/31/2018 04:54	WG1091812
Methylene Chloride	U		0.00114	0.00571	1	03/31/2018 04:54	WG1091812
4-Methyl-2-pentanone (MIBK)	0.00621 J	J	0.00215	0.0114	1	03/31/2018 04:54	WG1091812

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000242	0.00114	1	03/31/2018 04:54	WG1091812
Naphthalene	U		0.00114	0.00571	1	03/31/2018 04:54	WG1091812
n-Propylbenzene	U		0.000235	0.00114	1	03/31/2018 04:54	WG1091812
Styrene	U		0.000267	0.00114	1	03/31/2018 04:54	WG1091812
1,1,1,2-Tetrachloroethane	U		0.000301	0.00114	1	03/31/2018 04:54	WG1091812
1,1,2,2-Tetrachloroethane	U		0.000417	0.00114	1	03/31/2018 04:54	WG1091812
1,1,2-Trichlorotrifluoroethane	U		0.000417	0.00114	1	03/31/2018 04:54	WG1091812
Tetrachloroethene	0.0105		0.000315	0.00114	1	03/31/2018 04:54	WG1091812
Toluene	U		0.000495	0.00571	1	03/31/2018 04:54	WG1091812
1,2,3-Trichlorobenzene	U		0.000349	0.00114	1	03/31/2018 04:54	WG1091812
1,2,4-Trichlorobenzene	U		0.000443	0.00114	1	03/31/2018 04:54	WG1091812
1,1,1-Trichloroethane	U		0.000326	0.00114	1	03/31/2018 04:54	WG1091812
1,1,2-Trichloroethane	U		0.000316	0.00114	1	03/31/2018 04:54	WG1091812
Trichloroethene	U		0.000318	0.00114	1	03/31/2018 04:54	WG1091812
Trichlorofluoromethane	U		0.000436	0.00571	1	03/31/2018 04:54	WG1091812
1,2,3-Trichloropropane	U		0.000846	0.00285	1	03/31/2018 04:54	WG1091812
1,2,4-Trimethylbenzene	U		0.000241	0.00114	1	03/31/2018 04:54	WG1091812
1,2,3-Trimethylbenzene	U		0.000328	0.00114	1	03/31/2018 04:54	WG1091812
1,3,5-Trimethylbenzene	U		0.000304	0.00114	1	03/31/2018 04:54	WG1091812
Vinyl acetate	U		0.00273	0.0114	1	03/31/2018 04:54	WG1091812
Vinyl chloride	U		0.000332	0.00114	1	03/31/2018 04:54	WG1091812
Xylenes, Total	U		0.000797	0.00342	1	03/31/2018 04:54	WG1091812
(S) Toluene-d8	*100*			*80.0-120*		*03/31/2018 04:54*	WG1091812
(S) Dibromofluoromethane	*104*			*74.0-131*		*03/31/2018 04:54*	WG1091812
(S) 4-Bromofluorobenzene	*105*			*64.0-132*		*03/31/2018 04:54*	WG1091812

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Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch
Analyte	%			date / time	
Total Solids	89.7		1	04/02/2018 09:01	WG1092325

Volatile Organic Compounds (GC/MS) by Method 8260C

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.504		0.0111	0.0557	1	03/31/2018 05:15	WG1091812
Acrylonitrile	U		0.00200	0.0111	1	03/31/2018 05:15	WG1091812
Benzene	U		0.000301	0.00111	1	03/31/2018 05:15	WG1091812
Bromobenzene	U		0.000317	0.00111	1	03/31/2018 05:15	WG1091812
Bromodichloromethane	U		0.000283	0.00111	1	03/31/2018 05:15	WG1091812
Bromochloromethane	U		0.000435	0.00557	1	03/31/2018 05:15	WG1091812
Bromoform	U		0.000473	0.00111	1	03/31/2018 05:15	WG1091812
Bromomethane	U		0.00149	0.00557	1	03/31/2018 05:15	WG1091812
n-Butylbenzene	U		0.000288	0.00111	1	03/31/2018 05:15	WG1091812
sec-Butylbenzene	U		0.000224	0.00111	1	03/31/2018 05:15	WG1091812
tert-Butylbenzene	U		0.000230	0.00111	1	03/31/2018 05:15	WG1091812
Carbon disulfide	U		0.000246	0.00111	1	03/31/2018 05:15	WG1091812
Carbon tetrachloride	U		0.000366	0.00111	1	03/31/2018 05:15	WG1091812
Chlorobenzene	U		0.000236	0.00111	1	03/31/2018 05:15	WG1091812
Chlorodibromomethane	U		0.000416	0.00111	1	03/31/2018 05:15	WG1091812
Chloroethane	U		0.00105	0.00557	1	03/31/2018 05:15	WG1091812
Chloroform	U		0.000255	0.00557	1	03/31/2018 05:15	WG1091812
Chloromethane	U		0.000418	0.00279	1	03/31/2018 05:15	WG1091812
2-Chlorotoluene	U		0.000335	0.00111	1	03/31/2018 05:15	WG1091812
4-Chlorotoluene	U		0.000267	0.00111	1	03/31/2018 05:15	WG1091812
1,2-Dibromo-3-Chloropropane	U		0.00117	0.00557	1	03/31/2018 05:15	WG1091812
1,2-Dibromoethane	U		0.000382	0.00111	1	03/31/2018 05:15	WG1091812
Dibromomethane	U		0.000426	0.00111	1	03/31/2018 05:15	WG1091812
1,2-Dichlorobenzene	U		0.000340	0.00111	1	03/31/2018 05:15	WG1091812
1,3-Dichlorobenzene	U		0.000266	0.00111	1	03/31/2018 05:15	WG1091812
1,4-Dichlorobenzene	U		0.000252	0.00111	1	03/31/2018 05:15	WG1091812
Dichlorodifluoromethane	U		0.000795	0.00557	1	03/31/2018 05:15	WG1091812
1,1-Dichloroethane	U		0.000222	0.00111	1	03/31/2018 05:15	WG1091812
1,2-Dichloroethane	U		0.000295	0.00111	1	03/31/2018 05:15	WG1091812
1,1-Dichloroethene	U		0.000338	0.00111	1	03/31/2018 05:15	WG1091812
cis-1,2-Dichloroethene	0.00210		0.000262	0.00111	1	03/31/2018 05:15	WG1091812
trans-1,2-Dichloroethene	U		0.000294	0.00111	1	03/31/2018 05:15	WG1091812
1,2-Dichloropropane	U		0.000399	0.00111	1	03/31/2018 05:15	WG1091812
1,1-Dichloropropene	U		0.000353	0.00111	1	03/31/2018 05:15	WG1091812
1,3-Dichloropropane	U		0.000231	0.00111	1	03/31/2018 05:15	WG1091812
cis-1,3-Dichloropropene	U		0.000292	0.00111	1	03/31/2018 05:15	WG1091812
trans-1,3-Dichloropropene	U		0.000298	0.00111	1	03/31/2018 05:15	WG1091812
trans-1,4-Dichloro-2-butene	U		0.000867	0.00279	1	03/31/2018 05:15	WG1091812
2,2-Dichloropropane	U		0.000311	0.00111	1	03/31/2018 05:15	WG1091812
Di-isopropyl ether	U		0.000276	0.00111	1	03/31/2018 05:15	WG1091812
Ethylbenzene	U		0.000331	0.00111	1	03/31/2018 05:15	WG1091812
Hexachloro-1,3-butadiene	U		0.000381	0.00111	1	03/31/2018 05:15	WG1091812
2-Hexanone	U		0.00153	0.0111	1	03/31/2018 05:15	WG1091812
n-Hexane	U		0.000323	0.0111	1	03/31/2018 05:15	WG1091812
Iodomethane	U		0.00282	0.0111	1	03/31/2018 05:15	WG1091812
Isopropylbenzene	U		0.000271	0.00111	1	03/31/2018 05:15	WG1091812
p-Isopropyltoluene	U		0.000227	0.00111	1	03/31/2018 05:15	WG1091812
2-Butanone (MEK)	0.0791		0.00522	0.0111	1	03/31/2018 05:15	WG1091812
Methylene Chloride	U		0.00111	0.00557	1	03/31/2018 05:15	WG1091812
4-Methyl-2-pentanone (MIBK)	U		0.00210	0.0111	1	03/31/2018 05:15	WG1091812

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000236	0.00111	1	03/31/2018 05:15	WG1091812
Naphthalene	U		0.00111	0.00557	1	03/31/2018 05:15	WG1091812
n-Propylbenzene	U		0.000230	0.00111	1	03/31/2018 05:15	WG1091812
Styrene	U		0.000261	0.00111	1	03/31/2018 05:15	WG1091812
1,1,1,2-Tetrachloroethane	U		0.000294	0.00111	1	03/31/2018 05:15	WG1091812
1,1,2,2-Tetrachloroethane	U		0.000407	0.00111	1	03/31/2018 05:15	WG1091812
1,1,2-Trichlorotrifluoroethane	U		0.000407	0.00111	1	03/31/2018 05:15	WG1091812
Tetrachloroethene	0.00526		0.000308	0.00111	1	03/31/2018 05:15	WG1091812
Toluene	U		0.000484	0.00557	1	03/31/2018 05:15	WG1091812
1,2,3-Trichlorobenzene	U		0.000341	0.00111	1	03/31/2018 05:15	WG1091812
1,2,4-Trichlorobenzene	U		0.000432	0.00111	1	03/31/2018 05:15	WG1091812
1,1,1-Trichloroethane	U		0.000319	0.00111	1	03/31/2018 05:15	WG1091812
1,1,2-Trichloroethane	U		0.000309	0.00111	1	03/31/2018 05:15	WG1091812
Trichloroethene	0.00365		0.000311	0.00111	1	03/31/2018 05:15	WG1091812
Trichlorofluoromethane	U		0.000426	0.00557	1	03/31/2018 05:15	WG1091812
1,2,3-Trichloropropane	U		0.000826	0.00279	1	03/31/2018 05:15	WG1091812
1,2,4-Trimethylbenzene	U		0.000235	0.00111	1	03/31/2018 05:15	WG1091812
1,2,3-Trimethylbenzene	U		0.000320	0.00111	1	03/31/2018 05:15	WG1091812
1,3,5-Trimethylbenzene	U		0.000296	0.00111	1	03/31/2018 05:15	WG1091812
Vinyl acetate	U		0.00266	0.0111	1	03/31/2018 05:15	WG1091812
Vinyl chloride	U		0.000324	0.00111	1	03/31/2018 05:15	WG1091812
Xylenes, Total	U		0.000778	0.00334	1	03/31/2018 05:15	WG1091812
(S) Toluene-d8	*100*			*80.0-120*		*03/31/2018 05:15*	WG1091812
(S) Dibromofluoromethane	*104*			*74.0-131*		*03/31/2018 05:15*	WG1091812
(S) 4-Bromofluorobenzene	*102*			*64.0-132*		*03/31/2018 05:15*	WG1091812

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Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	91.0		1	04/02/2018 09:01	WG1092325

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.667 J	J	0.275	1.37	25	04/01/2018 15:28	WG1091812
Acrylonitrile	U		0.00197	0.0110	1	03/31/2018 05:36	WG1091812
Benzene	U		0.000297	0.00110	1	03/31/2018 05:36	WG1091812
Bromobenzene	U		0.000312	0.00110	1	03/31/2018 05:36	WG1091812
Bromodichloromethane	U		0.000279	0.00110	1	03/31/2018 05:36	WG1091812
Bromochloromethane	U		0.000428	0.00549	1	03/31/2018 05:36	WG1091812
Bromoform	U		0.000466	0.00110	1	03/31/2018 05:36	WG1091812
Bromomethane	U		0.00147	0.00549	1	03/31/2018 05:36	WG1091812
n-Butylbenzene	U		0.000283	0.00110	1	03/31/2018 05:36	WG1091812
sec-Butylbenzene	U		0.000221	0.00110	1	03/31/2018 05:36	WG1091812
tert-Butylbenzene	U		0.000226	0.00110	1	03/31/2018 05:36	WG1091812
Carbon disulfide	0.000287 J	J	0.000243	0.00110	1	03/31/2018 05:36	WG1091812
Carbon tetrachloride	U		0.000360	0.00110	1	03/31/2018 05:36	WG1091812
Chlorobenzene	U		0.000233	0.00110	1	03/31/2018 05:36	WG1091812
Chlorodibromomethane	U		0.000410	0.00110	1	03/31/2018 05:36	WG1091812
Chloroethane	U		0.00104	0.00549	1	03/31/2018 05:36	WG1091812
Chloroform	U		0.000252	0.00549	1	03/31/2018 05:36	WG1091812
Chloromethane	U		0.000412	0.00275	1	03/31/2018 05:36	WG1091812
2-Chlorotoluene	U		0.000331	0.00110	1	03/31/2018 05:36	WG1091812
4-Chlorotoluene	U		0.000264	0.00110	1	03/31/2018 05:36	WG1091812
1,2-Dibromo-3-Chloropropane	U		0.00115	0.00549	1	03/31/2018 05:36	WG1091812
1,2-Dibromoethane	U		0.000377	0.00110	1	03/31/2018 05:36	WG1091812
Dibromomethane	U		0.000420	0.00110	1	03/31/2018 05:36	WG1091812
1,2-Dichlorobenzene	U		0.000335	0.00110	1	03/31/2018 05:36	WG1091812
1,3-Dichlorobenzene	U		0.000263	0.00110	1	03/31/2018 05:36	WG1091812
1,4-Dichlorobenzene	U		0.000248	0.00110	1	03/31/2018 05:36	WG1091812
Dichlorodifluoromethane	U		0.000783	0.00549	1	03/31/2018 05:36	WG1091812
1,1-Dichloroethane	U		0.000219	0.00110	1	03/31/2018 05:36	WG1091812
1,2-Dichloroethane	U		0.000291	0.00110	1	03/31/2018 05:36	WG1091812
1,1-Dichloroethene	U		0.000333	0.00110	1	03/31/2018 05:36	WG1091812
cis-1,2-Dichloroethene	0.00185		0.000258	0.00110	1	03/31/2018 05:36	WG1091812
trans-1,2-Dichloroethene	U		0.000290	0.00110	1	03/31/2018 05:36	WG1091812
1,2-Dichloropropane	U		0.000393	0.00110	1	03/31/2018 05:36	WG1091812
1,1-Dichloropropene	U		0.000348	0.00110	1	03/31/2018 05:36	WG1091812
1,3-Dichloropropane	U		0.000227	0.00110	1	03/31/2018 05:36	WG1091812
cis-1,3-Dichloropropene	U		0.000288	0.00110	1	03/31/2018 05:36	WG1091812
trans-1,3-Dichloropropene	U		0.000293	0.00110	1	03/31/2018 05:36	WG1091812
trans-1,4-Dichloro-2-butene	U		0.000855	0.00275	1	03/31/2018 05:36	WG1091812
2,2-Dichloropropane	U		0.000306	0.00110	1	03/31/2018 05:36	WG1091812
Di-isopropyl ether	U		0.000272	0.00110	1	03/31/2018 05:36	WG1091812
Ethylbenzene	U		0.000326	0.00110	1	03/31/2018 05:36	WG1091812
Hexachloro-1,3-butadiene	U		0.000376	0.00110	1	03/31/2018 05:36	WG1091812
2-Hexanone	U		0.00150	0.0110	1	03/31/2018 05:36	WG1091812
n-Hexane	U		0.000319	0.0110	1	03/31/2018 05:36	WG1091812
Iodomethane	U		0.00278	0.0110	1	03/31/2018 05:36	WG1091812
Isopropylbenzene	U		0.000267	0.00110	1	03/31/2018 05:36	WG1091812
p-Isopropyltoluene	U		0.000224	0.00110	1	03/31/2018 05:36	WG1091812
2-Butanone (MEK)	0.225		0.00514	0.0110	1	03/31/2018 05:36	WG1091812
Methylene Chloride	U		0.00110	0.00549	1	03/31/2018 05:36	WG1091812
4-Methyl-2-pentanone (MIBK)	U		0.00207	0.0110	1	03/31/2018 05:36	WG1091812

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000233	0.00110	1	03/31/2018 05:36	WG1091812
Naphthalene	U		0.00110	0.00549	1	03/31/2018 05:36	WG1091812
n-Propylbenzene	U		0.000226	0.00110	1	03/31/2018 05:36	WG1091812
Styrene	U		0.000257	0.00110	1	03/31/2018 05:36	WG1091812
1,1,1,2-Tetrachloroethane	U		0.000290	0.00110	1	03/31/2018 05:36	WG1091812
1,1,2,2-Tetrachloroethane	U		0.000401	0.00110	1	03/31/2018 05:36	WG1091812
1,1,2-Trichlorotrifluoroethane	U		0.000401	0.00110	1	03/31/2018 05:36	WG1091812
Tetrachloroethene	0.00323		0.000303	0.00110	1	03/31/2018 05:36	WG1091812
Toluene	U		0.000477	0.00549	1	03/31/2018 05:36	WG1091812
1,2,3-Trichlorobenzene	U		0.000336	0.00110	1	03/31/2018 05:36	WG1091812
1,2,4-Trichlorobenzene	U		0.000426	0.00110	1	03/31/2018 05:36	WG1091812
1,1,1-Trichloroethane	U		0.000314	0.00110	1	03/31/2018 05:36	WG1091812
1,1,2-Trichloroethane	U		0.000304	0.00110	1	03/31/2018 05:36	WG1091812
Trichloroethene	0.00225		0.000306	0.00110	1	03/31/2018 05:36	WG1091812
Trichlorofluoromethane	U		0.000420	0.00549	1	03/31/2018 05:36	WG1091812
1,2,3-Trichloropropane	U		0.000814	0.00275	1	03/31/2018 05:36	WG1091812
1,2,4-Trimethylbenzene	U		0.000232	0.00110	1	03/31/2018 05:36	WG1091812
1,2,3-Trimethylbenzene	U		0.000315	0.00110	1	03/31/2018 05:36	WG1091812
1,3,5-Trimethylbenzene	U		0.000292	0.00110	1	03/31/2018 05:36	WG1091812
Vinyl acetate	U		0.00263	0.0110	1	03/31/2018 05:36	WG1091812
Vinyl chloride	U		0.000320	0.00110	1	03/31/2018 05:36	WG1091812
Xylenes, Total	U		0.000767	0.00330	1	03/31/2018 05:36	WG1091812
(S) Toluene-d8	*105*			*80.0-120*		*04/01/2018 15:28*	WG1091812
(S) Toluene-d8	*101*			*80.0-120*		*03/31/2018 05:36*	WG1091812
(S) Dibromofluoromethane	*105*			*74.0-131*		*03/31/2018 05:36*	WG1091812
(S) Dibromofluoromethane	*91.6*			*74.0-131*		*04/01/2018 15:28*	WG1091812
(S) 4-Bromofluorobenzene	*88.5*			*64.0-132*		*04/01/2018 15:28*	WG1091812
(S) 4-Bromofluorobenzene	*103*			*64.0-132*		*03/31/2018 05:36*	WG1091812

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1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	90.0		1	04/02/2018 09:01	WG1092325

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.0419 J	J	0.0111	0.0556	1	04/01/2018 14:28	WG1091812
Acrylonitrile	U		0.00199	0.0111	1	03/31/2018 05:57	WG1091812
Benzene	U		0.000300	0.00111	1	03/31/2018 05:57	WG1091812
Bromobenzene	U		0.000316	0.00111	1	03/31/2018 05:57	WG1091812
Bromodichloromethane	U		0.000282	0.00111	1	03/31/2018 05:57	WG1091812
Bromochloromethane	U		0.000433	0.00556	1	03/31/2018 05:57	WG1091812
Bromoform	U		0.000471	0.00111	1	03/31/2018 05:57	WG1091812
Bromomethane	U		0.00149	0.00556	1	03/31/2018 05:57	WG1091812
n-Butylbenzene	U		0.000287	0.00111	1	03/31/2018 05:57	WG1091812
sec-Butylbenzene	U		0.000223	0.00111	1	03/31/2018 05:57	WG1091812
tert-Butylbenzene	U		0.000229	0.00111	1	03/31/2018 05:57	WG1091812
Carbon disulfide	U		0.000246	0.00111	1	03/31/2018 05:57	WG1091812
Carbon tetrachloride	U		0.000365	0.00111	1	03/31/2018 05:57	WG1091812
Chlorobenzene	U		0.000236	0.00111	1	03/31/2018 05:57	WG1091812
Chlorodibromomethane	U		0.000415	0.00111	1	03/31/2018 05:57	WG1091812
Chloroethane	U		0.00105	0.00556	1	03/31/2018 05:57	WG1091812
Chloroform	U		0.000255	0.00556	1	03/31/2018 05:57	WG1091812
Chloromethane	U		0.000417	0.00278	1	03/31/2018 05:57	WG1091812
2-Chlorotoluene	U		0.000335	0.00111	1	03/31/2018 05:57	WG1091812
4-Chlorotoluene	U		0.000267	0.00111	1	03/31/2018 05:57	WG1091812
1,2-Dibromo-3-Chloropropane	U		0.00117	0.00556	1	03/31/2018 05:57	WG1091812
1,2-Dibromoethane	U		0.000381	0.00111	1	03/31/2018 05:57	WG1091812
Dibromomethane	U		0.000425	0.00111	1	03/31/2018 05:57	WG1091812
1,2-Dichlorobenzene	U		0.000339	0.00111	1	03/31/2018 05:57	WG1091812
1,3-Dichlorobenzene	U		0.000266	0.00111	1	03/31/2018 05:57	WG1091812
1,4-Dichlorobenzene	U		0.000251	0.00111	1	03/31/2018 05:57	WG1091812
Dichlorodifluoromethane	U		0.000792	0.00556	1	03/31/2018 05:57	WG1091812
1,1-Dichloroethane	U		0.000221	0.00111	1	03/31/2018 05:57	WG1091812
1,2-Dichloroethane	U		0.000295	0.00111	1	03/31/2018 05:57	WG1091812
1,1-Dichloroethene	U		0.000337	0.00111	1	03/31/2018 05:57	WG1091812
cis-1,2-Dichloroethene	0.0300		0.000261	0.00111	1	03/31/2018 05:57	WG1091812
trans-1,2-Dichloroethene	U		0.000293	0.00111	1	03/31/2018 05:57	WG1091812
1,2-Dichloropropane	U		0.000398	0.00111	1	03/31/2018 05:57	WG1091812
1,1-Dichloropropene	U		0.000352	0.00111	1	03/31/2018 05:57	WG1091812
1,3-Dichloropropane	U		0.000230	0.00111	1	03/31/2018 05:57	WG1091812
cis-1,3-Dichloropropene	U		0.000291	0.00111	1	03/31/2018 05:57	WG1091812
trans-1,3-Dichloropropene	U		0.000297	0.00111	1	03/31/2018 05:57	WG1091812
trans-1,4-Dichloro-2-butene	U		0.000865	0.00278	1	03/31/2018 05:57	WG1091812
2,2-Dichloropropane	U		0.000310	0.00111	1	03/31/2018 05:57	WG1091812
Di-isopropyl ether	U		0.000276	0.00111	1	03/31/2018 05:57	WG1091812
Ethylbenzene	U		0.000330	0.00111	1	03/31/2018 05:57	WG1091812
Hexachloro-1,3-butadiene	U		0.000380	0.00111	1	03/31/2018 05:57	WG1091812
2-Hexanone	U		0.00152	0.0111	1	03/31/2018 05:57	WG1091812
n-Hexane	U		0.000322	0.0111	1	03/31/2018 05:57	WG1091812
Iodomethane	U		0.00281	0.0111	1	03/31/2018 05:57	WG1091812
Isopropylbenzene	U		0.000270	0.00111	1	03/31/2018 05:57	WG1091812
p-Isopropyltoluene	U		0.000227	0.00111	1	03/31/2018 05:57	WG1091812
2-Butanone (MEK)	0.0116		0.00520	0.0111	1	03/31/2018 05:57	WG1091812
Methylene Chloride	U		0.00111	0.00556	1	03/31/2018 05:57	WG1091812
4-Methyl-2-pentanone (MIBK)	U		0.00209	0.0111	1	03/31/2018 05:57	WG1091812

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Volatile Organic Compounds (GC/MS) by Method 8260C

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg		date / time	
Methyl tert-butyl ether	U		0.000236	0.00111	1	03/31/2018 05:57	WG1091812
Naphthalene	U		0.00111	0.00556	1	03/31/2018 05:57	WG1091812
n-Propylbenzene	U		0.000229	0.00111	1	03/31/2018 05:57	WG1091812
Styrene	U		0.000260	0.00111	1	03/31/2018 05:57	WG1091812
1,1,1,2-Tetrachloroethane	U		0.000293	0.00111	1	03/31/2018 05:57	WG1091812
1,1,2,2-Tetrachloroethane	U		0.000406	0.00111	1	03/31/2018 05:57	WG1091812
1,1,2-Trichlorotrifluoroethane	U		0.000406	0.00111	1	03/31/2018 05:57	WG1091812
Tetrachloroethene	0.00173		0.000307	0.00111	1	03/31/2018 05:57	WG1091812
Toluene	U		0.000482	0.00556	1	03/31/2018 05:57	WG1091812
1,2,3-Trichlorobenzene	U		0.000340	0.00111	1	03/31/2018 05:57	WG1091812
1,2,4-Trichlorobenzene	U		0.000431	0.00111	1	03/31/2018 05:57	WG1091812
1,1,1-Trichloroethane	U		0.000318	0.00111	1	03/31/2018 05:57	WG1091812
1,1,2-Trichloroethane	U		0.000308	0.00111	1	03/31/2018 05:57	WG1091812
Trichloroethene	U		0.000310	0.00111	1	03/31/2018 05:57	WG1091812
Trichlorofluoromethane	U		0.000425	0.00556	1	03/31/2018 05:57	WG1091812
1,2,3-Trichloropropane	U		0.000824	0.00278	1	03/31/2018 05:57	WG1091812
1,2,4-Trimethylbenzene	U		0.000235	0.00111	1	03/31/2018 05:57	WG1091812
1,2,3-Trimethylbenzene	U		0.000319	0.00111	1	03/31/2018 05:57	WG1091812
1,3,5-Trimethylbenzene	U		0.000296	0.00111	1	03/31/2018 05:57	WG1091812
Vinyl acetate	U		0.00266	0.0111	1	03/31/2018 05:57	WG1091812
Vinyl chloride	U		0.000323	0.00111	1	03/31/2018 05:57	WG1091812
Xylenes, Total	U		0.000776	0.00333	1	03/31/2018 05:57	WG1091812
(S) Toluene-d8	*108*			*80.0-120*		*04/01/2018 14:28*	WG1091812
(S) Toluene-d8	*100*			*80.0-120*		*03/31/2018 05:57*	WG1091812
(S) Dibromofluoromethane	*102*			*74.0-131*		*03/31/2018 05:57*	WG1091812
(S) Dibromofluoromethane	*97.1*			*74.0-131*		*04/01/2018 14:28*	WG1091812
(S) 4-Bromofluorobenzene	*101*			*64.0-132*		*03/31/2018 05:57*	WG1091812
(S) 4-Bromofluorobenzene	*89.7*			*64.0-132*		*04/01/2018 14:28*	WG1091812

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IW-50A-25

Collected date/time: 03/27/18 11:07

SAMPLE RESULTS - 09

L980954

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	92.4		1	04/02/2018 09:51	WG1092326

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0108	0.0541	1	03/31/2018 06:18	WG1091812
Acrylonitrile	U		0.00194	0.0108	1	03/31/2018 06:18	WG1091812
Benzene	U		0.000292	0.00108	1	03/31/2018 06:18	WG1091812
Bromobenzene	U		0.000307	0.00108	1	03/31/2018 06:18	WG1091812
Bromodichloromethane	U		0.000275	0.00108	1	03/31/2018 06:18	WG1091812
Bromochloromethane	U		0.000422	0.00541	1	03/31/2018 06:18	WG1091812
Bromoform	U		0.000459	0.00108	1	03/31/2018 06:18	WG1091812
Bromomethane	U		0.00145	0.00541	1	03/31/2018 06:18	WG1091812
n-Butylbenzene	U		0.000279	0.00108	1	03/31/2018 06:18	WG1091812
sec-Butylbenzene	U		0.000218	0.00108	1	03/31/2018 06:18	WG1091812
tert-Butylbenzene	U		0.000223	0.00108	1	03/31/2018 06:18	WG1091812
Carbon disulfide	U		0.000239	0.00108	1	03/31/2018 06:18	WG1091812
Carbon tetrachloride	U		0.000355	0.00108	1	03/31/2018 06:18	WG1091812
Chlorobenzene	U		0.000229	0.00108	1	03/31/2018 06:18	WG1091812
Chlorodibromomethane	U		0.000404	0.00108	1	03/31/2018 06:18	WG1091812
Chloroethane	U		0.00102	0.00541	1	03/31/2018 06:18	WG1091812
Chloroform	U		0.000248	0.00541	1	03/31/2018 06:18	WG1091812
Chloromethane	U		0.000406	0.00271	1	03/31/2018 06:18	WG1091812
2-Chlorotoluene	U		0.000326	0.00108	1	03/31/2018 06:18	WG1091812
4-Chlorotoluene	U		0.000260	0.00108	1	03/31/2018 06:18	WG1091812
1,2-Dibromo-3-Chloropropane	U		0.00114	0.00541	1	03/31/2018 06:18	WG1091812
1,2-Dibromoethane	U		0.000371	0.00108	1	03/31/2018 06:18	WG1091812
Dibromomethane	U		0.000413	0.00108	1	03/31/2018 06:18	WG1091812
1,2-Dichlorobenzene	U		0.000330	0.00108	1	03/31/2018 06:18	WG1091812
1,3-Dichlorobenzene	U		0.000259	0.00108	1	03/31/2018 06:18	WG1091812
1,4-Dichlorobenzene	U		0.000245	0.00108	1	03/31/2018 06:18	WG1091812
Dichlorodifluoromethane	U		0.000772	0.00541	1	03/31/2018 06:18	WG1091812
1,1-Dichloroethane	U		0.000215	0.00108	1	03/31/2018 06:18	WG1091812
1,2-Dichloroethane	U		0.000287	0.00108	1	03/31/2018 06:18	WG1091812
1,1-Dichloroethene	U		0.000328	0.00108	1	03/31/2018 06:18	WG1091812
cis-1,2-Dichloroethene	0.0836		0.000254	0.00108	1	03/31/2018 06:18	WG1091812
trans-1,2-Dichloroethene	0.000640 J	J	0.000286	0.00108	1	03/31/2018 06:18	WG1091812
1,2-Dichloropropane	U		0.000387	0.00108	1	03/31/2018 06:18	WG1091812
1,1-Dichloropropene	U		0.000343	0.00108	1	03/31/2018 06:18	WG1091812
1,3-Dichloropropane	U		0.000224	0.00108	1	03/31/2018 06:18	WG1091812
cis-1,3-Dichloropropene	U		0.000284	0.00108	1	03/31/2018 06:18	WG1091812
trans-1,3-Dichloropropene	U		0.000289	0.00108	1	03/31/2018 06:18	WG1091812
trans-1,4-Dichloro-2-butene	U		0.000842	0.00271	1	03/31/2018 06:18	WG1091812
2,2-Dichloropropane	U		0.000302	0.00108	1	03/31/2018 06:18	WG1091812
Di-isopropyl ether	U		0.000268	0.00108	1	03/31/2018 06:18	WG1091812
Ethylbenzene	U		0.000321	0.00108	1	03/31/2018 06:18	WG1091812
Hexachloro-1,3-butadiene	U		0.000370	0.00108	1	03/31/2018 06:18	WG1091812
2-Hexanone	U		0.00148	0.0108	1	03/31/2018 06:18	WG1091812
n-Hexane	U		0.000314	0.0108	1	03/31/2018 06:18	WG1091812
Iodomethane	U		0.00274	0.0108	1	03/31/2018 06:18	WG1091812
Isopropylbenzene	U		0.000263	0.00108	1	03/31/2018 06:18	WG1091812
p-Isopropyltoluene	U		0.000221	0.00108	1	03/31/2018 06:18	WG1091812
2-Butanone (MEK)	0.00600 J	J	0.00506	0.0108	1	03/31/2018 06:18	WG1091812
Methylene Chloride	U		0.00108	0.00541	1	03/31/2018 06:18	WG1091812
4-Methyl-2-pentanone (MIBK)	U		0.00203	0.0108	1	03/31/2018 06:18	WG1091812

JC 4/19/18

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000229	0.00108	1	03/31/2018 06:18	WG1091812
Naphthalene	U		0.00108	0.00541	1	03/31/2018 06:18	WG1091812
n-Propylbenzene	U		0.000223	0.00108	1	03/31/2018 06:18	WG1091812
Styrene	U		0.000253	0.00108	1	03/31/2018 06:18	WG1091812
1,1,1,2-Tetrachloroethane	U		0.000286	0.00108	1	03/31/2018 06:18	WG1091812
1,1,2,2-Tetrachloroethane	U		0.000395	0.00108	1	03/31/2018 06:18	WG1091812
1,1,2-Trichlorotrifluoroethane	U		0.000395	0.00108	1	03/31/2018 06:18	WG1091812
Tetrachloroethene	0.0149		0.000299	0.00108	1	03/31/2018 06:18	WG1091812
Toluene	U		0.000470	0.00541	1	03/31/2018 06:18	WG1091812
1,2,3-Trichlorobenzene	U		0.000331	0.00108	1	03/31/2018 06:18	WG1091812
1,2,4-Trichlorobenzene	U		0.000420	0.00108	1	03/31/2018 06:18	WG1091812
1,1,1-Trichloroethane	U		0.000310	0.00108	1	03/31/2018 06:18	WG1091812
1,1,2-Trichloroethane	U		0.000300	0.00108	1	03/31/2018 06:18	WG1091812
Trichloroethene	0.00376		0.000302	0.00108	1	03/31/2018 06:18	WG1091812
Trichlorofluoromethane	U		0.000413	0.00541	1	03/31/2018 06:18	WG1091812
1,2,3-Trichloropropane	U		0.000802	0.00271	1	03/31/2018 06:18	WG1091812
1,2,4-Trimethylbenzene	U		0.000228	0.00108	1	03/31/2018 06:18	WG1091812
1,2,3-Trimethylbenzene	U		0.000311	0.00108	1	03/31/2018 06:18	WG1091812
1,3,5-Trimethylbenzene	U		0.000288	0.00108	1	03/31/2018 06:18	WG1091812
Vinyl acetate	U		0.00259	0.0108	1	03/31/2018 06:18	WG1091812
Vinyl chloride	U		0.000315	0.00108	1	03/31/2018 06:18	WG1091812
Xylenes, Total	U		0.000755	0.00325	1	03/31/2018 06:18	WG1091812
(S) Toluene-d8	*99.3*			*80.0-120*		*03/31/2018 06:18*	WG1091812
(S) Dibromofluoromethane	*106*			*74.0-131*		*03/31/2018 06:18*	WG1091812
(S) 4-Bromofluorobenzene	*103*			*64.0-132*		*03/31/2018 06:18*	WG1091812

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Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	92.1		1	04/02/2018 09:51	WG1092326

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.0706		0.0109	0.0543	1	03/31/2018 06:39	WG1091812
Acrylonitrile	U		0.00194	0.0109	1	03/31/2018 06:39	WG1091812
Benzene	U		0.000293	0.00109	1	03/31/2018 06:39	WG1091812
Bromobenzene	U		0.000308	0.00109	1	03/31/2018 06:39	WG1091812
Bromodichloromethane	U		0.000276	0.00109	1	03/31/2018 06:39	WG1091812
Bromochloromethane	U		0.000424	0.00543	1	03/31/2018 06:39	WG1091812
Bromoform	U		0.000460	0.00109	1	03/31/2018 06:39	WG1091812
Bromomethane	U		0.00146	0.00543	1	03/31/2018 06:39	WG1091812
n-Butylbenzene	U		0.000280	0.00109	1	03/31/2018 06:39	WG1091812
sec-Butylbenzene	U		0.000218	0.00109	1	03/31/2018 06:39	WG1091812
tert-Butylbenzene	U		0.000224	0.00109	1	03/31/2018 06:39	WG1091812
Carbon disulfide	0.000545 J	J	0.000240	0.00109	1	03/31/2018 06:39	WG1091812
Carbon tetrachloride	U		0.000356	0.00109	1	03/31/2018 06:39	WG1091812
Chlorobenzene	U		0.000230	0.00109	1	03/31/2018 06:39	WG1091812
Chlorodibromomethane	U		0.000405	0.00109	1	03/31/2018 06:39	WG1091812
Chloroethane	U		0.00103	0.00543	1	03/31/2018 06:39	WG1091812
Chloroform	U		0.000249	0.00543	1	03/31/2018 06:39	WG1091812
Chloromethane	U		0.000407	0.00272	1	03/31/2018 06:39	WG1091812
2-Chlorotoluene	U		0.000327	0.00109	1	03/31/2018 06:39	WG1091812
4-Chlorotoluene	U		0.000261	0.00109	1	03/31/2018 06:39	WG1091812
1,2-Dibromo-3-Chloropropane	U		0.00114	0.00543	1	03/31/2018 06:39	WG1091812
1,2-Dibromoethane	U		0.000373	0.00109	1	03/31/2018 06:39	WG1091812
Dibromomethane	U		0.000415	0.00109	1	03/31/2018 06:39	WG1091812
1,2-Dichlorobenzene	U		0.000331	0.00109	1	03/31/2018 06:39	WG1091812
1,3-Dichlorobenzene	U		0.000260	0.00109	1	03/31/2018 06:39	WG1091812
1,4-Dichlorobenzene	U		0.000245	0.00109	1	03/31/2018 06:39	WG1091812
Dichlorodifluoromethane	U		0.000774	0.00543	1	03/31/2018 06:39	WG1091812
1,1-Dichloroethane	U		0.000216	0.00109	1	03/31/2018 06:39	WG1091812
1,2-Dichloroethane	U		0.000288	0.00109	1	03/31/2018 06:39	WG1091812
1,1-Dichloroethene	U		0.000329	0.00109	1	03/31/2018 06:39	WG1091812
cis-1,2-Dichloroethene	0.0103		0.000255	0.00109	1	03/31/2018 06:39	WG1091812
trans-1,2-Dichloroethene	U		0.000287	0.00109	1	03/31/2018 06:39	WG1091812
1,2-Dichloropropane	U		0.000389	0.00109	1	03/31/2018 06:39	WG1091812
1,1-Dichloropropene	U		0.000344	0.00109	1	03/31/2018 06:39	WG1091812
1,3-Dichloropropane	U		0.000225	0.00109	1	03/31/2018 06:39	WG1091812
cis-1,3-Dichloropropene	U		0.000285	0.00109	1	03/31/2018 06:39	WG1091812
trans-1,3-Dichloropropene	U		0.000290	0.00109	1	03/31/2018 06:39	WG1091812
trans-1,4-Dichloro-2-butene	U		0.000845	0.00272	1	03/31/2018 06:39	WG1091812
2,2-Dichloropropane	U		0.000303	0.00109	1	03/31/2018 06:39	WG1091812
Di-isopropyl ether	U		0.000269	0.00109	1	03/31/2018 06:39	WG1091812
Ethylbenzene	U		0.000323	0.00109	1	03/31/2018 06:39	WG1091812
Hexachloro-1,3-butadiene	U		0.000371	0.00109	1	03/31/2018 06:39	WG1091812
2-Hexanone	U		0.00149	0.0109	1	03/31/2018 06:39	WG1091812
n-Hexane	U		0.000315	0.0109	1	03/31/2018 06:39	WG1091812
Iodomethane	U		0.00275	0.0109	1	03/31/2018 06:39	WG1091812
Isopropylbenzene	U		0.000264	0.00109	1	03/31/2018 06:39	WG1091812
p-Isopropyltoluene	U		0.000222	0.00109	1	03/31/2018 06:39	WG1091812
2-Butanone (MEK)	0.153		0.00508	0.0109	1	03/31/2018 06:39	WG1091812
Methylene Chloride	U		0.00109	0.00543	1	03/31/2018 06:39	WG1091812
4-Methyl-2-pentanone (MIBK)	U		0.00204	0.0109	1	03/31/2018 06:39	WG1091812

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000230	0.00109	1	03/31/2018 06:39	WG1091812
Naphthalene	U		0.00109	0.00543	1	03/31/2018 06:39	WG1091812
n-Propylbenzene	U		0.000224	0.00109	1	03/31/2018 06:39	WG1091812
Styrene	U		0.000254	0.00109	1	03/31/2018 06:39	WG1091812
1,1,1,2-Tetrachloroethane	U		0.000287	0.00109	1	03/31/2018 06:39	WG1091812
1,1,2,2-Tetrachloroethane	U		0.000396	0.00109	1	03/31/2018 06:39	WG1091812
1,1,2-Trichlorotrifluoroethane	U		0.000396	0.00109	1	03/31/2018 06:39	WG1091812
Tetrachloroethene	0.00643		0.000300	0.00109	1	03/31/2018 06:39	WG1091812
Toluene	U		0.000471	0.00543	1	03/31/2018 06:39	WG1091812
1,2,3-Trichlorobenzene	U		0.000332	0.00109	1	03/31/2018 06:39	WG1091812
1,2,4-Trichlorobenzene	U		0.000421	0.00109	1	03/31/2018 06:39	WG1091812
1,1,1-Trichloroethane	U		0.000311	0.00109	1	03/31/2018 06:39	WG1091812
1,1,2-Trichloroethane	U		0.000301	0.00109	1	03/31/2018 06:39	WG1091812
Trichloroethene	0.00146		0.000303	0.00109	1	03/31/2018 06:39	WG1091812
Trichlorofluoromethane	U		0.000415	0.00543	1	03/31/2018 06:39	WG1091812
1,2,3-Trichloropropane	U		0.000805	0.00272	1	03/31/2018 06:39	WG1091812
1,2,4-Trimethylbenzene	U		0.000229	0.00109	1	03/31/2018 06:39	WG1091812
1,2,3-Trimethylbenzene	U		0.000312	0.00109	1	03/31/2018 06:39	WG1091812
1,3,5-Trimethylbenzene	U		0.000289	0.00109	1	03/31/2018 06:39	WG1091812
Vinyl acetate	U		0.00260	0.0109	1	03/31/2018 06:39	WG1091812
Vinyl chloride	U		0.000316	0.00109	1	03/31/2018 06:39	WG1091812
Xylenes, Total	U		0.000758	0.00326	1	03/31/2018 06:39	WG1091812
(S) Toluene-d8	*101*			*80.0-120*		*03/31/2018 06:39*	WG1091812
(S) Dibromofluoromethane	*106*			*74.0-131*		*03/31/2018 06:39*	WG1091812
(S) 4-Bromofluorobenzene	*103*			*64.0-132*		*03/31/2018 06:39*	WG1091812

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SAMPLE RESULTS - 11

L980954

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	91.8		1	04/02/2018 09:51	WG1092326

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg		Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch	
Acetone	0.0368	J	J	0.0109	0.0544	1	03/31/2018 07:01	WG1091812	
Acrylonitrile	U			0.00195	0.0109	1	03/31/2018 07:01	WG1091812	
Benzene	U			0.000294	0.00109	1	03/31/2018 07:01	WG1091812	
Bromobenzene	U			0.000309	0.00109	1	03/31/2018 07:01	WG1091812	
Bromodichloromethane	U			0.000277	0.00109	1	03/31/2018 07:01	WG1091812	
Bromochloromethane	U			0.000425	0.00544	1	03/31/2018 07:01	WG1091812	
Bromoform	U			0.000462	0.00109	1	03/31/2018 07:01	WG1091812	
Bromomethane	U			0.00146	0.00544	1	03/31/2018 07:01	WG1091812	
n-Butylbenzene	U			0.000281	0.00109	1	03/31/2018 07:01	WG1091812	
sec-Butylbenzene	U			0.000219	0.00109	1	03/31/2018 07:01	WG1091812	
tert-Butylbenzene	U			0.000224	0.00109	1	03/31/2018 07:01	WG1091812	
Carbon disulfide	0.000801	J	J	0.000241	0.00109	1	03/31/2018 07:01	WG1091812	
Carbon tetrachloride	U			0.000357	0.00109	1	03/31/2018 07:01	WG1091812	
Chlorobenzene	U			0.000231	0.00109	1	03/31/2018 07:01	WG1091812	
Chlorodibromomethane	U			0.000406	0.00109	1	03/31/2018 07:01	WG1091812	
Chloroethane	U			0.00103	0.00544	1	03/31/2018 07:01	WG1091812	
Chloroform	U			0.000249	0.00544	1	03/31/2018 07:01	WG1091812	
Chloromethane	U			0.000408	0.00272	1	03/31/2018 07:01	WG1091812	
2-Chlorotoluene	U			0.000328	0.00109	1	03/31/2018 07:01	WG1091812	
4-Chlorotoluene	U			0.000261	0.00109	1	03/31/2018 07:01	WG1091812	
1,2-Dibromo-3-Chloropropane	U			0.00114	0.00544	1	03/31/2018 07:01	WG1091812	
1,2-Dibromoethane	U			0.000373	0.00109	1	03/31/2018 07:01	WG1091812	
Dibromomethane	U			0.000416	0.00109	1	03/31/2018 07:01	WG1091812	
1,2-Dichlorobenzene	U			0.000332	0.00109	1	03/31/2018 07:01	WG1091812	
1,3-Dichlorobenzene	U			0.000260	0.00109	1	03/31/2018 07:01	WG1091812	
1,4-Dichlorobenzene	U			0.000246	0.00109	1	03/31/2018 07:01	WG1091812	
Dichlorodifluoromethane	U			0.000776	0.00544	1	03/31/2018 07:01	WG1091812	
1,1-Dichloroethane	U			0.000217	0.00109	1	03/31/2018 07:01	WG1091812	
1,2-Dichloroethane	U			0.000289	0.00109	1	03/31/2018 07:01	WG1091812	
1,1-Dichloroethene	U			0.000330	0.00109	1	03/31/2018 07:01	WG1091812	
cis-1,2-Dichloroethene	0.0158			0.000256	0.00109	1	03/31/2018 07:01	WG1091812	
trans-1,2-Dichloroethene	U			0.000287	0.00109	1	03/31/2018 07:01	WG1091812	
1,2-Dichloropropane	U			0.000390	0.00109	1	03/31/2018 07:01	WG1091812	
1,1-Dichloropropene	U			0.000345	0.00109	1	03/31/2018 07:01	WG1091812	
1,3-Dichloropropane	U			0.000225	0.00109	1	03/31/2018 07:01	WG1091812	
cis-1,3-Dichloropropene	U			0.000285	0.00109	1	03/31/2018 07:01	WG1091812	
trans-1,3-Dichloropropene	U			0.000291	0.00109	1	03/31/2018 07:01	WG1091812	
trans-1,4-Dichloro-2-butene	U			0.000847	0.00272	1	03/31/2018 07:01	WG1091812	
2,2-Dichloropropane	U			0.000304	0.00109	1	03/31/2018 07:01	WG1091812	
Di-isopropyl ether	U			0.000270	0.00109	1	03/31/2018 07:01	WG1091812	
Ethylbenzene	U			0.000323	0.00109	1	03/31/2018 07:01	WG1091812	
Hexachloro-1,3-butadiene	U			0.000372	0.00109	1	03/31/2018 07:01	WG1091812	
2-Hexanone	U			0.00149	0.0109	1	03/31/2018 07:01	WG1091812	
n-Hexane	0.00423	J	J	0.000316	0.0109	1	03/31/2018 07:01	WG1091812	
Iodomethane	U			0.00275	0.0109	1	03/31/2018 07:01	WG1091812	
Isopropylbenzene	U			0.000265	0.00109	1	03/31/2018 07:01	WG1091812	
p-Isopropyltoluene	U			0.000222	0.00109	1	03/31/2018 07:01	WG1091812	
2-Butanone (MEK)	0.0561			0.00510	0.0109	1	03/31/2018 07:01	WG1091812	
Methylene Chloride	U			0.00109	0.00544	1	03/31/2018 07:01	WG1091812	
4-Methyl-2-pentanone (MIBK)	U			0.00205	0.0109	1	03/31/2018 07:01	WG1091812	JC 4/19/18

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Collected date/time: 03/27/18 11:22

SAMPLE RESULTS - 11

L980954

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000231	0.00109	1	03/31/2018 07:01	WG1091812
Naphthalene	U		0.00109	0.00544	1	03/31/2018 07:01	WG1091812
n-Propylbenzene	U		0.000224	0.00109	1	03/31/2018 07:01	WG1091812
Styrene	U		0.000255	0.00109	1	03/31/2018 07:01	WG1091812
1,1,1,2-Tetrachloroethane	U		0.000287	0.00109	1	03/31/2018 07:01	WG1091812
1,1,2,2-Tetrachloroethane	U		0.000397	0.00109	1	03/31/2018 07:01	WG1091812
1,1,2-Trichlorotrifluoroethane	U		0.000397	0.00109	1	03/31/2018 07:01	WG1091812
Tetrachloroethene	0.00599		0.000301	0.00109	1	03/31/2018 07:01	WG1091812
Toluene	U		0.000473	0.00544	1	03/31/2018 07:01	WG1091812
1,2,3-Trichlorobenzene	U		0.000333	0.00109	1	03/31/2018 07:01	WG1091812
1,2,4-Trichlorobenzene	U		0.000422	0.00109	1	03/31/2018 07:01	WG1091812
1,1,1-Trichloroethane	U		0.000311	0.00109	1	03/31/2018 07:01	WG1091812
1,1,2-Trichloroethane	U		0.000302	0.00109	1	03/31/2018 07:01	WG1091812
Trichloroethene	0.00158		0.000304	0.00109	1	03/31/2018 07:01	WG1091812
Trichlorofluoromethane	U		0.000416	0.00544	1	03/31/2018 07:01	WG1091812
1,2,3-Trichloropropane	U		0.000807	0.00272	1	03/31/2018 07:01	WG1091812
1,2,4-Trimethylbenzene	U		0.000230	0.00109	1	03/31/2018 07:01	WG1091812
1,2,3-Trimethylbenzene	U		0.000313	0.00109	1	03/31/2018 07:01	WG1091812
1,3,5-Trimethylbenzene	U		0.000290	0.00109	1	03/31/2018 07:01	WG1091812
Vinyl acetate	U		0.00260	0.0109	1	03/31/2018 07:01	WG1091812
Vinyl chloride	U		0.000317	0.00109	1	03/31/2018 07:01	WG1091812
Xylenes, Total	U		0.000760	0.00327	1	03/31/2018 07:01	WG1091812
(S) Toluene-d8	*99.2*			*80.0-120*		*03/31/2018 07:01*	WG1091812
(S) Dibromofluoromethane	*105*			*74.0-131*		*03/31/2018 07:01*	WG1091812
(S) 4-Bromofluorobenzene	*101*			*64.0-132*		*03/31/2018 07:01*	WG1091812

JC 4/19/18

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

IW-50A-40

Collected date/time: 03/27/18 11:44

SAMPLE RESULTS - 12

L980954

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	90.5		1	04/02/2018 09:51	WG1092326

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.0380 J	J	0.0110	0.0552	1	03/31/2018 07:22	WG1091812
Acrylonitrile	U		0.00198	0.0110	1	03/31/2018 07:22	WG1091812
Benzene	U		0.000298	0.00110	1	03/31/2018 07:22	WG1091812
Bromobenzene	U		0.000314	0.00110	1	03/31/2018 07:22	WG1091812
Bromodichloromethane	U		0.000281	0.00110	1	03/31/2018 07:22	WG1091812
Bromochloromethane	U		0.000431	0.00552	1	03/31/2018 07:22	WG1091812
Bromoform	U		0.000468	0.00110	1	03/31/2018 07:22	WG1091812
Bromomethane	U		0.00148	0.00552	1	03/31/2018 07:22	WG1091812
n-Butylbenzene	U		0.000285	0.00110	1	03/31/2018 07:22	WG1091812
sec-Butylbenzene	U		0.000222	0.00110	1	03/31/2018 07:22	WG1091812
tert-Butylbenzene	U		0.000228	0.00110	1	03/31/2018 07:22	WG1091812
Carbon disulfide	0.000945 J	J	0.000244	0.00110	1	03/31/2018 07:22	WG1091812
Carbon tetrachloride	U		0.000362	0.00110	1	03/31/2018 07:22	WG1091812
Chlorobenzene	U		0.000234	0.00110	1	03/31/2018 07:22	WG1091812
Chlorodibromomethane	U		0.000412	0.00110	1	03/31/2018 07:22	WG1091812
Chloroethane	U		0.00105	0.00552	1	03/31/2018 07:22	WG1091812
Chloroform	U		0.000253	0.00552	1	03/31/2018 07:22	WG1091812
Chloromethane	U		0.000414	0.00276	1	03/31/2018 07:22	WG1091812
2-Chlorotoluene	U		0.000333	0.00110	1	03/31/2018 07:22	WG1091812
4-Chlorotoluene	U		0.000265	0.00110	1	03/31/2018 07:22	WG1091812
1,2-Dibromo-3-Chloropropane	U		0.00116	0.00552	1	03/31/2018 07:22	WG1091812
1,2-Dibromoethane	U		0.000379	0.00110	1	03/31/2018 07:22	WG1091812
Dibromomethane	U		0.000422	0.00110	1	03/31/2018 07:22	WG1091812
1,2-Dichlorobenzene	U		0.000337	0.00110	1	03/31/2018 07:22	WG1091812
1,3-Dichlorobenzene	U		0.000264	0.00110	1	03/31/2018 07:22	WG1091812
1,4-Dichlorobenzene	U		0.000250	0.00110	1	03/31/2018 07:22	WG1091812
Dichlorodifluoromethane	U		0.000788	0.00552	1	03/31/2018 07:22	WG1091812
1,1-Dichloroethane	U		0.000220	0.00110	1	03/31/2018 07:22	WG1091812
1,2-Dichloroethane	U		0.000293	0.00110	1	03/31/2018 07:22	WG1091812
1,1-Dichloroethene	U		0.000335	0.00110	1	03/31/2018 07:22	WG1091812
cis-1,2-Dichloroethene	0.0273		0.000260	0.00110	1	03/31/2018 07:22	WG1091812
trans-1,2-Dichloroethene	U		0.000292	0.00110	1	03/31/2018 07:22	WG1091812
1,2-Dichloropropane	U		0.000396	0.00110	1	03/31/2018 07:22	WG1091812
1,1-Dichloropropene	U		0.000350	0.00110	1	03/31/2018 07:22	WG1091812
1,3-Dichloropropane	U		0.000229	0.00110	1	03/31/2018 07:22	WG1091812
cis-1,3-Dichloropropene	U		0.000289	0.00110	1	03/31/2018 07:22	WG1091812
trans-1,3-Dichloropropene	U		0.000295	0.00110	1	03/31/2018 07:22	WG1091812
trans-1,4-Dichloro-2-butene	U		0.000860	0.00276	1	03/31/2018 07:22	WG1091812
2,2-Dichloropropane	U		0.000308	0.00110	1	03/31/2018 07:22	WG1091812
Di-isopropyl ether	U		0.000274	0.00110	1	03/31/2018 07:22	WG1091812
Ethylbenzene	U		0.000328	0.00110	1	03/31/2018 07:22	WG1091812
Hexachloro-1,3-butadiene	U		0.000378	0.00110	1	03/31/2018 07:22	WG1091812
2-Hexanone	U		0.00151	0.0110	1	03/31/2018 07:22	WG1091812
n-Hexane	U		0.000320	0.0110	1	03/31/2018 07:22	WG1091812
Iodomethane	U		0.00280	0.0110	1	03/31/2018 07:22	WG1091812
Isopropylbenzene	U		0.000268	0.00110	1	03/31/2018 07:22	WG1091812
p-Isopropyltoluene	U		0.000225	0.00110	1	03/31/2018 07:22	WG1091812
2-Butanone (MEK)	0.0513		0.00517	0.0110	1	03/31/2018 07:22	WG1091812
Methylene Chloride	U		0.00110	0.00552	1	03/31/2018 07:22	WG1091812
4-Methyl-2-pentanone (MIBK)	U		0.00208	0.0110	1	03/31/2018 07:22	WG1091812

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000234	0.00110	1	03/31/2018 07:22	WG1091812
Naphthalene	U		0.00110	0.00552	1	03/31/2018 07:22	WG1091812
n-Propylbenzene	U		0.000228	0.00110	1	03/31/2018 07:22	WG1091812
Styrene	U		0.000259	0.00110	1	03/31/2018 07:22	WG1091812
1,1,1,2-Tetrachloroethane	U		0.000292	0.00110	1	03/31/2018 07:22	WG1091812
1,1,2,2-Tetrachloroethane	U		0.000403	0.00110	1	03/31/2018 07:22	WG1091812
1,1,2-Trichlorotrifluoroethane	U		0.000403	0.00110	1	03/31/2018 07:22	WG1091812
Tetrachloroethene	0.00647		0.000305	0.00110	1	03/31/2018 07:22	WG1091812
Toluene	U		0.000480	0.00552	1	03/31/2018 07:22	WG1091812
1,2,3-Trichlorobenzene	U		0.000338	0.00110	1	03/31/2018 07:22	WG1091812
1,2,4-Trichlorobenzene	U		0.000429	0.00110	1	03/31/2018 07:22	WG1091812
1,1,1-Trichloroethane	U		0.000316	0.00110	1	03/31/2018 07:22	WG1091812
1,1,2-Trichloroethane	U		0.000306	0.00110	1	03/31/2018 07:22	WG1091812
Trichloroethene	0.00188		0.000308	0.00110	1	03/31/2018 07:22	WG1091812
Trichlorofluoromethane	U		0.000422	0.00552	1	03/31/2018 07:22	WG1091812
1,2,3-Trichloropropane	U		0.000819	0.00276	1	03/31/2018 07:22	WG1091812
1,2,4-Trimethylbenzene	U		0.000233	0.00110	1	03/31/2018 07:22	WG1091812
1,2,3-Trimethylbenzene	U		0.000317	0.00110	1	03/31/2018 07:22	WG1091812
1,3,5-Trimethylbenzene	U		0.000294	0.00110	1	03/31/2018 07:22	WG1091812
Vinyl acetate	U		0.00264	0.0110	1	03/31/2018 07:22	WG1091812
Vinyl chloride	U		0.000322	0.00110	1	03/31/2018 07:22	WG1091812
Xylenes, Total	U		0.000771	0.00331	1	03/31/2018 07:22	WG1091812
(S) Toluene-d8	*99.9*			*80.0-120*		*03/31/2018 07:22*	WG1091812
(S) Dibromofluoromethane	*107*			*74.0-131*		*03/31/2018 07:22*	WG1091812
(S) 4-Bromofluorobenzene	*104*			*64.0-132*		*03/31/2018 07:22*	WG1091812

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1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	91.0		1	04/02/2018 09:51	WG1092326

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.0140 J	J	0.0110	0.0549	1	03/31/2018 07:43	WG1091812
Acrylonitrile	U		0.00197	0.0110	1	03/31/2018 07:43	WG1091812
Benzene	U		0.000297	0.00110	1	03/31/2018 07:43	WG1091812
Bromobenzene	U		0.000312	0.00110	1	03/31/2018 07:43	WG1091812
Bromodichloromethane	U		0.000279	0.00110	1	03/31/2018 07:43	WG1091812
Bromochloromethane	U		0.000428	0.00549	1	03/31/2018 07:43	WG1091812
Bromoform	U		0.000466	0.00110	1	03/31/2018 07:43	WG1091812
Bromomethane	U		0.00147	0.00549	1	03/31/2018 07:43	WG1091812
n-Butylbenzene	U		0.000283	0.00110	1	03/31/2018 07:43	WG1091812
sec-Butylbenzene	U		0.000221	0.00110	1	03/31/2018 07:43	WG1091812
tert-Butylbenzene	U		0.000226	0.00110	1	03/31/2018 07:43	WG1091812
Carbon disulfide	0.000639 J	J	0.000243	0.00110	1	03/31/2018 07:43	WG1091812
Carbon tetrachloride	U		0.000360	0.00110	1	03/31/2018 07:43	WG1091812
Chlorobenzene	U		0.000233	0.00110	1	03/31/2018 07:43	WG1091812
Chlorodibromomethane	U		0.000410	0.00110	1	03/31/2018 07:43	WG1091812
Chloroethane	U		0.00104	0.00549	1	03/31/2018 07:43	WG1091812
Chloroform	U		0.000252	0.00549	1	03/31/2018 07:43	WG1091812
Chloromethane	U		0.000412	0.00275	1	03/31/2018 07:43	WG1091812
2-Chlorotoluene	U		0.000331	0.00110	1	03/31/2018 07:43	WG1091812
4-Chlorotoluene	U		0.000264	0.00110	1	03/31/2018 07:43	WG1091812
1,2-Dibromo-3-Chloropropane	U		0.00115	0.00549	1	03/31/2018 07:43	WG1091812
1,2-Dibromoethane	U		0.000377	0.00110	1	03/31/2018 07:43	WG1091812
Dibromomethane	U		0.000420	0.00110	1	03/31/2018 07:43	WG1091812
1,2-Dichlorobenzene	U		0.000335	0.00110	1	03/31/2018 07:43	WG1091812
1,3-Dichlorobenzene	U		0.000263	0.00110	1	03/31/2018 07:43	WG1091812
1,4-Dichlorobenzene	U		0.000248	0.00110	1	03/31/2018 07:43	WG1091812
Dichlorodifluoromethane	U		0.000783	0.00549	1	03/31/2018 07:43	WG1091812
1,1-Dichloroethane	U		0.000219	0.00110	1	03/31/2018 07:43	WG1091812
1,2-Dichloroethane	U		0.000291	0.00110	1	03/31/2018 07:43	WG1091812
1,1-Dichloroethene	0.000417 J	J	0.000333	0.00110	1	03/31/2018 07:43	WG1091812
cis-1,2-Dichloroethene	0.0970		0.000258	0.00110	1	03/31/2018 07:43	WG1091812
trans-1,2-Dichloroethene	U		0.000290	0.00110	1	03/31/2018 07:43	WG1091812
1,2-Dichloropropane	U		0.000393	0.00110	1	03/31/2018 07:43	WG1091812
1,1-Dichloropropene	U		0.000348	0.00110	1	03/31/2018 07:43	WG1091812
1,3-Dichloropropane	U		0.000227	0.00110	1	03/31/2018 07:43	WG1091812
cis-1,3-Dichloropropene	U		0.000288	0.00110	1	03/31/2018 07:43	WG1091812
trans-1,3-Dichloropropene	U		0.000293	0.00110	1	03/31/2018 07:43	WG1091812
trans-1,4-Dichloro-2-butene	U		0.000855	0.00275	1	03/31/2018 07:43	WG1091812
2,2-Dichloropropane	U		0.000306	0.00110	1	03/31/2018 07:43	WG1091812
Di-isopropyl ether	U		0.000272	0.00110	1	03/31/2018 07:43	WG1091812
Ethylbenzene	U		0.000326	0.00110	1	03/31/2018 07:43	WG1091812
Hexachloro-1,3-butadiene	U		0.000376	0.00110	1	03/31/2018 07:43	WG1091812
2-Hexanone	U		0.00150	0.0110	1	03/31/2018 07:43	WG1091812
n-Hexane	U		0.000319	0.0110	1	03/31/2018 07:43	WG1091812
Iodomethane	U		0.00278	0.0110	1	03/31/2018 07:43	WG1091812
Isopropylbenzene	U		0.000267	0.00110	1	03/31/2018 07:43	WG1091812
p-Isopropyltoluene	U		0.000224	0.00110	1	03/31/2018 07:43	WG1091812
2-Butanone (MEK)	0.0253		0.00514	0.0110	1	03/31/2018 07:43	WG1091812
Methylene Chloride	U		0.00110	0.00549	1	03/31/2018 07:43	WG1091812
4-Methyl-2-pentanone (MIBK)	U		0.00207	0.0110	1	03/31/2018 07:43	WG1091812

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000233	0.00110	1	03/31/2018 07:43	WG1091812
Naphthalene	U		0.00110	0.00549	1	03/31/2018 07:43	WG1091812
n-Propylbenzene	U		0.000226	0.00110	1	03/31/2018 07:43	WG1091812
Styrene	U		0.000257	0.00110	1	03/31/2018 07:43	WG1091812
1,1,1,2-Tetrachloroethane	U		0.000290	0.00110	1	03/31/2018 07:43	WG1091812
1,1,2,2-Tetrachloroethane	U		0.000401	0.00110	1	03/31/2018 07:43	WG1091812
1,1,2-Trichlorotrifluoroethane	U		0.000401	0.00110	1	03/31/2018 07:43	WG1091812
Tetrachloroethene	0.0263		0.000303	0.00110	1	03/31/2018 07:43	WG1091812
Toluene	U		0.000477	0.00549	1	03/31/2018 07:43	WG1091812
1,2,3-Trichlorobenzene	U		0.000336	0.00110	1	03/31/2018 07:43	WG1091812
1,2,4-Trichlorobenzene	U		0.000426	0.00110	1	03/31/2018 07:43	WG1091812
1,1,1-Trichloroethane	U		0.000314	0.00110	1	03/31/2018 07:43	WG1091812
1,1,2-Trichloroethane	U		0.000304	0.00110	1	03/31/2018 07:43	WG1091812
Trichloroethene	0.00273		0.000306	0.00110	1	03/31/2018 07:43	WG1091812
Trichlorofluoromethane	U		0.000420	0.00549	1	03/31/2018 07:43	WG1091812
1,2,3-Trichloropropane	U		0.000814	0.00275	1	03/31/2018 07:43	WG1091812
1,2,4-Trimethylbenzene	U		0.000232	0.00110	1	03/31/2018 07:43	WG1091812
1,2,3-Trimethylbenzene	U		0.000315	0.00110	1	03/31/2018 07:43	WG1091812
1,3,5-Trimethylbenzene	U		0.000292	0.00110	1	03/31/2018 07:43	WG1091812
Vinyl acetate	U		0.00263	0.0110	1	03/31/2018 07:43	WG1091812
Vinyl chloride	0.00893		0.000320	0.00110	1	03/31/2018 07:43	WG1091812
Xylenes, Total	U		0.000767	0.00330	1	03/31/2018 07:43	WG1091812
(S) Toluene-d8	*100*			*80.0-120*		*03/31/2018 07:43*	WG1091812
(S) Dibromofluoromethane	*103*			*74.0-131*		*03/31/2018 07:43*	WG1091812
(S) 4-Bromofluorobenzene	*104*			*64.0-132*		*03/31/2018 07:43*	WG1091812

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1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	90.3		1	04/02/2018 09:51	WG1092326

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.0558		0.0111	0.0554	1	03/31/2018 08:04	WG1091812
Acrylonitrile	U		0.00198	0.0111	1	03/31/2018 08:04	WG1091812
Benzene	U		0.000299	0.00111	1	03/31/2018 08:04	WG1091812
Bromobenzene	U		0.000314	0.00111	1	03/31/2018 08:04	WG1091812
Bromodichloromethane	U		0.000281	0.00111	1	03/31/2018 08:04	WG1091812
Bromochloromethane	U		0.000432	0.00554	1	03/31/2018 08:04	WG1091812
Bromoform	U		0.000469	0.00111	1	03/31/2018 08:04	WG1091812
Bromomethane	U		0.00148	0.00554	1	03/31/2018 08:04	WG1091812
n-Butylbenzene	U		0.000286	0.00111	1	03/31/2018 08:04	WG1091812
sec-Butylbenzene	U		0.000223	0.00111	1	03/31/2018 08:04	WG1091812
tert-Butylbenzene	U		0.000228	0.00111	1	03/31/2018 08:04	WG1091812
Carbon disulfide	0.00176		0.000245	0.00111	1	03/31/2018 08:04	WG1091812
Carbon tetrachloride	U		0.000363	0.00111	1	03/31/2018 08:04	WG1091812
Chlorobenzene	U		0.000235	0.00111	1	03/31/2018 08:04	WG1091812
Chlorodibromomethane	U		0.000413	0.00111	1	03/31/2018 08:04	WG1091812
Chloroethane	U		0.00105	0.00554	1	03/31/2018 08:04	WG1091812
Chloroform	U		0.000254	0.00554	1	03/31/2018 08:04	WG1091812
Chloromethane	U		0.000415	0.00277	1	03/31/2018 08:04	WG1091812
2-Chlorotoluene	U		0.000333	0.00111	1	03/31/2018 08:04	WG1091812
4-Chlorotoluene	U		0.000266	0.00111	1	03/31/2018 08:04	WG1091812
1,2-Dibromo-3-Chloropropane	U		0.00116	0.00554	1	03/31/2018 08:04	WG1091812
1,2-Dibromoethane	U		0.000380	0.00111	1	03/31/2018 08:04	WG1091812
Dibromomethane	U		0.000423	0.00111	1	03/31/2018 08:04	WG1091812
1,2-Dichlorobenzene	U		0.000338	0.00111	1	03/31/2018 08:04	WG1091812
1,3-Dichlorobenzene	U		0.000265	0.00111	1	03/31/2018 08:04	WG1091812
1,4-Dichlorobenzene	U		0.000250	0.00111	1	03/31/2018 08:04	WG1091812
Dichlorodifluoromethane	U		0.000789	0.00554	1	03/31/2018 08:04	WG1091812
1,1-Dichloroethane	U		0.000220	0.00111	1	03/31/2018 08:04	WG1091812
1,2-Dichloroethane	U		0.000293	0.00111	1	03/31/2018 08:04	WG1091812
1,1-Dichloroethene	0.000654 J	J	0.000336	0.00111	1	03/31/2018 08:04	WG1091812
cis-1,2-Dichloroethene	0.350		0.00651	0.0277	25	04/01/2018 15:47	WG1091812
trans-1,2-Dichloroethene	U		0.000292	0.00111	1	03/31/2018 08:04	WG1091812
1,2-Dichloropropane	U		0.000396	0.00111	1	03/31/2018 08:04	WG1091812
1,1-Dichloropropene	U		0.000351	0.00111	1	03/31/2018 08:04	WG1091812
1,3-Dichloropropane	U		0.000229	0.00111	1	03/31/2018 08:04	WG1091812
cis-1,3-Dichloropropene	U		0.000290	0.00111	1	03/31/2018 08:04	WG1091812
trans-1,3-Dichloropropene	U		0.000296	0.00111	1	03/31/2018 08:04	WG1091812
trans-1,4-Dichloro-2-butene	U		0.000861	0.00277	1	03/31/2018 08:04	WG1091812
2,2-Dichloropropane	U		0.000309	0.00111	1	03/31/2018 08:04	WG1091812
Di-isopropyl ether	U		0.000275	0.00111	1	03/31/2018 08:04	WG1091812
Ethylbenzene	U		0.000329	0.00111	1	03/31/2018 08:04	WG1091812
Hexachloro-1,3-butadiene	U		0.000379	0.00111	1	03/31/2018 08:04	WG1091812
2-Hexanone	U		0.00152	0.0111	1	03/31/2018 08:04	WG1091812
n-Hexane	U		0.000321	0.0111	1	03/31/2018 08:04	WG1091812
Iodomethane	U		0.00280	0.0111	1	03/31/2018 08:04	WG1091812
Isopropylbenzene	U		0.000269	0.00111	1	03/31/2018 08:04	WG1091812
p-Isopropyltoluene	U		0.000226	0.00111	1	03/31/2018 08:04	WG1091812
2-Butanone (MEK)	0.0783		0.00518	0.0111	1	03/31/2018 08:04	WG1091812
Methylene Chloride	U		0.00111	0.00554	1	03/31/2018 08:04	WG1091812
4-Methyl-2-pentanone (MIBK)	U		0.00208	0.0111	1	03/31/2018 08:04	WG1091812

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000235	0.00111	1	03/31/2018 08:04	WG1091812
Naphthalene	U		0.00111	0.00554	1	03/31/2018 08:04	WG1091812
n-Propylbenzene	U		0.000228	0.00111	1	03/31/2018 08:04	WG1091812
Styrene	U		0.000259	0.00111	1	03/31/2018 08:04	WG1091812
1,1,1,2-Tetrachloroethane	U		0.000292	0.00111	1	03/31/2018 08:04	WG1091812
1,1,2,2-Tetrachloroethane	U		0.000404	0.00111	1	03/31/2018 08:04	WG1091812
1,1,2-Trichlorotrifluoroethane	U		0.000404	0.00111	1	03/31/2018 08:04	WG1091812
Tetrachloroethene	2.10		0.00764	0.0277	25	04/01/2018 15:47	WG1091812
Toluene	U		0.000481	0.00554	1	03/31/2018 08:04	WG1091812
1,2,3-Trichlorobenzene	U		0.000339	0.00111	1	03/31/2018 08:04	WG1091812
1,2,4-Trichlorobenzene	U		0.000430	0.00111	1	03/31/2018 08:04	WG1091812
1,1,1-Trichloroethane	U		0.000317	0.00111	1	03/31/2018 08:04	WG1091812
1,1,2-Trichloroethane	U		0.000307	0.00111	1	03/31/2018 08:04	WG1091812
Trichloroethene	0.0367		0.000309	0.00111	1	03/31/2018 08:04	WG1091812
Trichlorofluoromethane	U		0.000423	0.00554	1	03/31/2018 08:04	WG1091812
1,2,3-Trichloropropane	U		0.000820	0.00277	1	03/31/2018 08:04	WG1091812
1,2,4-Trimethylbenzene	U		0.000234	0.00111	1	03/31/2018 08:04	WG1091812
1,2,3-Trimethylbenzene	U		0.000318	0.00111	1	03/31/2018 08:04	WG1091812
1,3,5-Trimethylbenzene	U		0.000295	0.00111	1	03/31/2018 08:04	WG1091812
Vinyl acetate	U		0.00265	0.0111	1	03/31/2018 08:04	WG1091812
Vinyl chloride	0.00501		0.000322	0.00111	1	03/31/2018 08:04	WG1091812
Xylenes, Total	U		0.000773	0.00332	1	03/31/2018 08:04	WG1091812
(S) Toluene-d8	*105*			*80.0-120*		*04/01/2018 15:47*	WG1091812
(S) Toluene-d8	*100*			*80.0-120*		*03/31/2018 08:04*	WG1091812
(S) Dibromofluoromethane	*106*			*74.0-131*		*03/31/2018 08:04*	WG1091812
(S) Dibromofluoromethane	*94.0*			*74.0-131*		*04/01/2018 15:47*	WG1091812
(S) 4-Bromofluorobenzene	*88.6*			*64.0-132*		*04/01/2018 15:47*	WG1091812
(S) 4-Bromofluorobenzene	*107*			*64.0-132*		*03/31/2018 08:04*	WG1091812

JC 4/19/18

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	89.1		1	04/02/2018 09:51	WG1092326

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.0337 J	J	0.0112	0.0561	1	03/31/2018 08:25	WG1091812
Acrylonitrile	U		0.00201	0.0112	1	03/31/2018 08:25	WG1091812
Benzene	U		0.000303	0.00112	1	03/31/2018 08:25	WG1091812
Bromobenzene	U		0.000319	0.00112	1	03/31/2018 08:25	WG1091812
Bromodichloromethane	U		0.000285	0.00112	1	03/31/2018 08:25	WG1091812
Bromochloromethane	U		0.000438	0.00561	1	03/31/2018 08:25	WG1091812
Bromoform	U		0.000476	0.00112	1	03/31/2018 08:25	WG1091812
Bromomethane	U		0.00150	0.00561	1	03/31/2018 08:25	WG1091812
n-Butylbenzene	U		0.000289	0.00112	1	03/31/2018 08:25	WG1091812
sec-Butylbenzene	U		0.000226	0.00112	1	03/31/2018 08:25	WG1091812
tert-Butylbenzene	U		0.000231	0.00112	1	03/31/2018 08:25	WG1091812
Carbon disulfide	0.00122		0.000248	0.00112	1	03/31/2018 08:25	WG1091812
Carbon tetrachloride	U		0.000368	0.00112	1	03/31/2018 08:25	WG1091812
Chlorobenzene	U		0.000238	0.00112	1	03/31/2018 08:25	WG1091812
Chlorodibromomethane	U		0.000418	0.00112	1	03/31/2018 08:25	WG1091812
Chloroethane	U		0.00106	0.00561	1	03/31/2018 08:25	WG1091812
Chloroform	U		0.000257	0.00561	1	03/31/2018 08:25	WG1091812
Chloromethane	U		0.000421	0.00280	1	03/31/2018 08:25	WG1091812
2-Chlorotoluene	U		0.000338	0.00112	1	03/31/2018 08:25	WG1091812
4-Chlorotoluene	U		0.000269	0.00112	1	03/31/2018 08:25	WG1091812
1,2-Dibromo-3-Chloropropane	U		0.00118	0.00561	1	03/31/2018 08:25	WG1091812
1,2-Dibromoethane	U		0.000385	0.00112	1	03/31/2018 08:25	WG1091812
Dibromomethane	U		0.000429	0.00112	1	03/31/2018 08:25	WG1091812
1,2-Dichlorobenzene	U		0.000342	0.00112	1	03/31/2018 08:25	WG1091812
1,3-Dichlorobenzene	U		0.000268	0.00112	1	03/31/2018 08:25	WG1091812
1,4-Dichlorobenzene	U		0.000254	0.00112	1	03/31/2018 08:25	WG1091812
Dichlorodifluoromethane	U		0.000800	0.00561	1	03/31/2018 08:25	WG1091812
1,1-Dichloroethane	U		0.000223	0.00112	1	03/31/2018 08:25	WG1091812
1,2-Dichloroethane	U		0.000297	0.00112	1	03/31/2018 08:25	WG1091812
1,1-Dichloroethene	0.000430 J	J	0.000340	0.00112	1	03/31/2018 08:25	WG1091812
cis-1,2-Dichloroethene	0.621 J		0.00660	0.0280	25	04/01/2018 16:07	WG1091812
trans-1,2-Dichloroethene	U		0.000296	0.00112	1	03/31/2018 08:25	WG1091812
1,2-Dichloropropane	U		0.000402	0.00112	1	03/31/2018 08:25	WG1091812
1,1-Dichloropropene	U		0.000356	0.00112	1	03/31/2018 08:25	WG1091812
1,3-Dichloropropane	U		0.000232	0.00112	1	03/31/2018 08:25	WG1091812
cis-1,3-Dichloropropene	U		0.000294	0.00112	1	03/31/2018 08:25	WG1091812
trans-1,3-Dichloropropene	U		0.000300	0.00112	1	03/31/2018 08:25	WG1091812
trans-1,4-Dichloro-2-butene	U		0.000873	0.00280	1	03/31/2018 08:25	WG1091812
2,2-Dichloropropane	U		0.000313	0.00112	1	03/31/2018 08:25	WG1091812
Di-isopropyl ether	U		0.000278	0.00112	1	03/31/2018 08:25	WG1091812
Ethylbenzene	U		0.000333	0.00112	1	03/31/2018 08:25	WG1091812
Hexachloro-1,3-butadiene	U		0.000384	0.00112	1	03/31/2018 08:25	WG1091812
2-Hexanone	U		0.00154	0.0112	1	03/31/2018 08:25	WG1091812
n-Hexane	U		0.000325	0.0112	1	03/31/2018 08:25	WG1091812
Iodomethane	U		0.00284	0.0112	1	03/31/2018 08:25	WG1091812
Isopropylbenzene	U		0.000273	0.00112	1	03/31/2018 08:25	WG1091812
p-Isopropyltoluene	U		0.000229	0.00112	1	03/31/2018 08:25	WG1091812
2-Butanone (MEK)	0.0460		0.00525	0.0112	1	03/31/2018 08:25	WG1091812
Methylene Chloride	U		0.00112	0.00561	1	03/31/2018 08:25	WG1091812
4-Methyl-2-pentanone (MIBK)	U		0.00211	0.0112	1	03/31/2018 08:25	WG1091812

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000238	0.00112	1	03/31/2018 08:25	WG1091812
Naphthalene	U		0.00112	0.00561	1	03/31/2018 08:25	WG1091812
n-Propylbenzene	U		0.000231	0.00112	1	03/31/2018 08:25	WG1091812
Styrene	U		0.000263	0.00112	1	03/31/2018 08:25	WG1091812
1,1,1,2-Tetrachloroethane	U		0.000296	0.00112	1	03/31/2018 08:25	WG1091812
1,1,2,2-Tetrachloroethane	U		0.000410	0.00112	1	03/31/2018 08:25	WG1091812
1,1,2-Trichlorotrifluoroethane	U		0.000410	0.00112	1	03/31/2018 08:25	WG1091812
Tetrachloroethene	2.67	J	0.00774	0.0280	25	04/01/2018 16:07	WG1091812
Toluene	U		0.000487	0.00561	1	03/31/2018 08:25	WG1091812
1,2,3-Trichlorobenzene	U		0.000343	0.00112	1	03/31/2018 08:25	WG1091812
1,2,4-Trichlorobenzene	U		0.000435	0.00112	1	03/31/2018 08:25	WG1091812
1,1,1-Trichloroethane	U		0.000321	0.00112	1	03/31/2018 08:25	WG1091812
1,1,2-Trichloroethane	U		0.000311	0.00112	1	03/31/2018 08:25	WG1091812
Trichloroethene	0.0210	J	0.000313	0.00112	1	03/31/2018 08:25	WG1091812
Trichlorofluoromethane	U		0.000429	0.00561	1	03/31/2018 08:25	WG1091812
1,2,3-Trichloropropane	U		0.000831	0.00280	1	03/31/2018 08:25	WG1091812
1,2,4-Trimethylbenzene	U		0.000237	0.00112	1	03/31/2018 08:25	WG1091812
1,2,3-Trimethylbenzene	U		0.000322	0.00112	1	03/31/2018 08:25	WG1091812
1,3,5-Trimethylbenzene	U		0.000298	0.00112	1	03/31/2018 08:25	WG1091812
Vinyl acetate	U		0.00268	0.0112	1	03/31/2018 08:25	WG1091812
Vinyl chloride	0.0112		0.000326	0.00112	1	03/31/2018 08:25	WG1091812
Xylenes, Total	U		0.000783	0.00337	1	03/31/2018 08:25	WG1091812
(S) Toluene-d8	*107*			*80.0-120*		*04/01/2018 16:07*	WG1091812
(S) Toluene-d8	*102*			*80.0-120*		*03/31/2018 08:25*	WG1091812
(S) Dibromofluoromethane	*91.4*			*74.0-131*		*04/01/2018 16:07*	WG1091812
(S) Dibromofluoromethane	*106*			*74.0-131*		*03/31/2018 08:25*	WG1091812
(S) 4-Bromofluorobenzene	*107*			*64.0-132*		*03/31/2018 08:25*	WG1091812
(S) 4-Bromofluorobenzene	*87.0*			*64.0-132*		*04/01/2018 16:07*	WG1091812

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Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	88.9		1	04/02/2018 09:51	WG1092326

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.0191 J	J	0.0113	0.0563	1	03/31/2018 08:46	WG1091812
Acrylonitrile	U		0.00201	0.0113	1	03/31/2018 08:46	WG1091812
Benzene	U		0.000304	0.00113	1	03/31/2018 08:46	WG1091812
Bromobenzene	U		0.000320	0.00113	1	03/31/2018 08:46	WG1091812
Bromodichloromethane	U		0.000286	0.00113	1	03/31/2018 08:46	WG1091812
Bromochloromethane	U		0.000439	0.00563	1	03/31/2018 08:46	WG1091812
Bromoform	U		0.000477	0.00113	1	03/31/2018 08:46	WG1091812
Bromomethane	U		0.00151	0.00563	1	03/31/2018 08:46	WG1091812
n-Butylbenzene	U		0.000290	0.00113	1	03/31/2018 08:46	WG1091812
sec-Butylbenzene	U		0.000226	0.00113	1	03/31/2018 08:46	WG1091812
tert-Butylbenzene	U		0.000232	0.00113	1	03/31/2018 08:46	WG1091812
Carbon disulfide	0.000464 J	J	0.000249	0.00113	1	03/31/2018 08:46	WG1091812
Carbon tetrachloride	U		0.000369	0.00113	1	03/31/2018 08:46	WG1091812
Chlorobenzene	U		0.000239	0.00113	1	03/31/2018 08:46	WG1091812
Chlorodibromomethane	U		0.000420	0.00113	1	03/31/2018 08:46	WG1091812
Chloroethane	U		0.00106	0.00563	1	03/31/2018 08:46	WG1091812
Chloroform	U		0.000258	0.00563	1	03/31/2018 08:46	WG1091812
Chloromethane	U		0.000422	0.00281	1	03/31/2018 08:46	WG1091812
2-Chlorotoluene	U		0.000339	0.00113	1	03/31/2018 08:46	WG1091812
4-Chlorotoluene	U		0.000270	0.00113	1	03/31/2018 08:46	WG1091812
1,2-Dibromo-3-Chloropropane	U		0.00118	0.00563	1	03/31/2018 08:46	WG1091812
1,2-Dibromoethane	U		0.000386	0.00113	1	03/31/2018 08:46	WG1091812
Dibromomethane	U		0.000430	0.00113	1	03/31/2018 08:46	WG1091812
1,2-Dichlorobenzene	U		0.000343	0.00113	1	03/31/2018 08:46	WG1091812
1,3-Dichlorobenzene	U		0.000269	0.00113	1	03/31/2018 08:46	WG1091812
1,4-Dichlorobenzene	U		0.000254	0.00113	1	03/31/2018 08:46	WG1091812
Dichlorodifluoromethane	U		0.000802	0.00563	1	03/31/2018 08:46	WG1091812
1,1-Dichloroethane	U		0.000224	0.00113	1	03/31/2018 08:46	WG1091812
1,2-Dichloroethane	U		0.000298	0.00113	1	03/31/2018 08:46	WG1091812
1,1-Dichloroethene	U		0.000341	0.00113	1	03/31/2018 08:46	WG1091812
cis-1,2-Dichloroethene	0.0706		0.000264	0.00113	1	03/31/2018 08:46	WG1091812
trans-1,2-Dichloroethene	U		0.000297	0.00113	1	03/31/2018 08:46	WG1091812
1,2-Dichloropropane	U		0.000403	0.00113	1	03/31/2018 08:46	WG1091812
1,1-Dichloropropene	U		0.000357	0.00113	1	03/31/2018 08:46	WG1091812
1,3-Dichloropropane	U		0.000233	0.00113	1	03/31/2018 08:46	WG1091812
cis-1,3-Dichloropropene	U		0.000295	0.00113	1	03/31/2018 08:46	WG1091812
trans-1,3-Dichloropropene	U		0.000300	0.00113	1	03/31/2018 08:46	WG1091812
trans-1,4-Dichloro-2-butene	U		0.000876	0.00281	1	03/31/2018 08:46	WG1091812
2,2-Dichloropropane	U		0.000314	0.00113	1	03/31/2018 08:46	WG1091812
Di-isopropyl ether	U		0.000279	0.00113	1	03/31/2018 08:46	WG1091812
Ethylbenzene	U		0.000334	0.00113	1	03/31/2018 08:46	WG1091812
Hexachloro-1,3-butadiene	U		0.000385	0.00113	1	03/31/2018 08:46	WG1091812
2-Hexanone	U		0.00154	0.0113	1	03/31/2018 08:46	WG1091812
n-Hexane	U		0.000326	0.0113	1	03/31/2018 08:46	WG1091812
Iodomethane	U		0.00285	0.0113	1	03/31/2018 08:46	WG1091812
Isopropylbenzene	U		0.000273	0.00113	1	03/31/2018 08:46	WG1091812
p-Isopropyltoluene	U		0.000230	0.00113	1	03/31/2018 08:46	WG1091812
2-Butanone (MEK)	0.0116		0.00527	0.0113	1	03/31/2018 08:46	WG1091812
Methylene Chloride	U		0.00113	0.00563	1	03/31/2018 08:46	WG1091812
4-Methyl-2-pentanone (MIBK)	U		0.00212	0.0113	1	03/31/2018 08:46	WG1091812

JC 4/19/18

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260C

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg		date / time	
Methyl tert-butyl ether	U		0.000239	0.00113	1	03/31/2018 08:46	WG1091812
Naphthalene	U		0.00113	0.00563	1	03/31/2018 08:46	WG1091812
n-Propylbenzene	U		0.000232	0.00113	1	03/31/2018 08:46	WG1091812
Styrene	U		0.000263	0.00113	1	03/31/2018 08:46	WG1091812
1,1,1,2-Tetrachloroethane	U		0.000297	0.00113	1	03/31/2018 08:46	WG1091812
1,1,2,2-Tetrachloroethane	U		0.000411	0.00113	1	03/31/2018 08:46	WG1091812
1,1,2-Trichlorotrifluoroethane	U		0.000411	0.00113	1	03/31/2018 08:46	WG1091812
Tetrachloroethene	0.0127		0.000311	0.00113	1	03/31/2018 08:46	WG1091812
Toluene	U		0.000488	0.00563	1	03/31/2018 08:46	WG1091812
1,2,3-Trichlorobenzene	U		0.000344	0.00113	1	03/31/2018 08:46	WG1091812
1,2,4-Trichlorobenzene	U		0.000437	0.00113	1	03/31/2018 08:46	WG1091812
1,1,1-Trichloroethane	U		0.000322	0.00113	1	03/31/2018 08:46	WG1091812
1,1,2-Trichloroethane	U		0.000312	0.00113	1	03/31/2018 08:46	WG1091812
Trichloroethene	0.00151		0.000314	0.00113	1	03/31/2018 08:46	WG1091812
Trichlorofluoromethane	U		0.000430	0.00563	1	03/31/2018 08:46	WG1091812
1,2,3-Trichloropropane	U		0.000834	0.00281	1	03/31/2018 08:46	WG1091812
1,2,4-Trimethylbenzene	U		0.000237	0.00113	1	03/31/2018 08:46	WG1091812
1,2,3-Trimethylbenzene	U		0.000323	0.00113	1	03/31/2018 08:46	WG1091812
1,3,5-Trimethylbenzene	U		0.000299	0.00113	1	03/31/2018 08:46	WG1091812
Vinyl acetate	U		0.00269	0.0113	1	03/31/2018 08:46	WG1091812
Vinyl chloride	0.00993		0.000327	0.00113	1	03/31/2018 08:46	WG1091812
Xylenes, Total	U		0.000786	0.00338	1	03/31/2018 08:46	WG1091812
(S) Toluene-d8	*100*			*80.0-120*		*03/31/2018 08:46*	WG1091812
(S) Dibromofluoromethane	*107*			*74.0-131*		*03/31/2018 08:46*	WG1091812
(S) 4-Bromofluorobenzene	*103*			*64.0-132*		*03/31/2018 08:46*	WG1091812

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Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	88.5		1	04/02/2018 09:51	WG1092326

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U UJ	J0 J3	0.0113	0.0565	1	03/31/2018 16:43	WG1092087
Acrylonitrile	U		0.00202	0.0113	1	03/31/2018 16:43	WG1092087
Benzene	U		0.000305	0.00113	1	03/31/2018 16:43	WG1092087
Bromobenzene	U		0.000321	0.00113	1	03/31/2018 16:43	WG1092087
Bromodichloromethane	U		0.000287	0.00113	1	03/31/2018 16:43	WG1092087
Bromochloromethane	U		0.000440	0.00565	1	03/31/2018 16:43	WG1092087
Bromoform	U		0.000479	0.00113	1	03/31/2018 16:43	WG1092087
Bromomethane	U	J4	0.00151	0.00565	1	03/31/2018 16:43	WG1092087
n-Butylbenzene	U		0.000291	0.00113	1	03/31/2018 16:43	WG1092087
sec-Butylbenzene	U		0.000227	0.00113	1	03/31/2018 16:43	WG1092087
tert-Butylbenzene	U		0.000233	0.00113	1	03/31/2018 16:43	WG1092087
Carbon disulfide	0.000379 J	J	0.000250	0.00113	1	03/31/2018 16:43	WG1092087
Carbon tetrachloride	U	J0	0.000370	0.00113	1	03/31/2018 16:43	WG1092087
Chlorobenzene	U		0.000239	0.00113	1	03/31/2018 16:43	WG1092087
Chlorodibromomethane	U		0.000421	0.00113	1	03/31/2018 16:43	WG1092087
Chloroethane	U		0.00107	0.00565	1	03/31/2018 16:43	WG1092087
Chloroform	U		0.000259	0.00565	1	03/31/2018 16:43	WG1092087
Chloromethane	U	J0	0.000424	0.00282	1	03/31/2018 16:43	WG1092087
2-Chlorotoluene	U		0.000340	0.00113	1	03/31/2018 16:43	WG1092087
4-Chlorotoluene	U		0.000271	0.00113	1	03/31/2018 16:43	WG1092087
1,2-Dibromo-3-Chloropropane	U		0.00119	0.00565	1	03/31/2018 16:43	WG1092087
1,2-Dibromoethane	U		0.000387	0.00113	1	03/31/2018 16:43	WG1092087
Dibromomethane	U		0.000431	0.00113	1	03/31/2018 16:43	WG1092087
1,2-Dichlorobenzene	U		0.000344	0.00113	1	03/31/2018 16:43	WG1092087
1,3-Dichlorobenzene	U		0.000270	0.00113	1	03/31/2018 16:43	WG1092087
1,4-Dichlorobenzene	U		0.000255	0.00113	1	03/31/2018 16:43	WG1092087
Dichlorodifluoromethane	U		0.000805	0.00565	1	03/31/2018 16:43	WG1092087
1,1-Dichloroethane	U		0.000225	0.00113	1	03/31/2018 16:43	WG1092087
1,2-Dichloroethane	U		0.000299	0.00113	1	03/31/2018 16:43	WG1092087
1,1-Dichloroethene	U		0.000342	0.00113	1	03/31/2018 16:43	WG1092087
cis-1,2-Dichloroethene	0.00646		0.000265	0.00113	1	03/31/2018 16:43	WG1092087
trans-1,2-Dichloroethene	U		0.000298	0.00113	1	03/31/2018 16:43	WG1092087
1,2-Dichloropropane	U		0.000404	0.00113	1	03/31/2018 16:43	WG1092087
1,1-Dichloropropene	U UJ	J0	0.000358	0.00113	1	03/31/2018 16:43	WG1092087
1,3-Dichloropropane	U		0.000234	0.00113	1	03/31/2018 16:43	WG1092087
cis-1,3-Dichloropropene	U		0.000296	0.00113	1	03/31/2018 16:43	WG1092087
trans-1,3-Dichloropropene	U		0.000302	0.00113	1	03/31/2018 16:43	WG1092087
trans-1,4-Dichloro-2-butene	U		0.000879	0.00282	1	03/31/2018 16:43	WG1092087
2,2-Dichloropropane	U UJ	J0	0.000315	0.00113	1	03/31/2018 16:43	WG1092087
Di-isopropyl ether	U		0.000280	0.00113	1	03/31/2018 16:43	WG1092087
Ethylbenzene	U		0.000335	0.00113	1	03/31/2018 16:43	WG1092087
Hexachloro-1,3-butadiene	U	J3	0.000386	0.00113	1	03/31/2018 16:43	WG1092087
2-Hexanone	U		0.00155	0.0113	1	03/31/2018 16:43	WG1092087
n-Hexane	U UJ	J0	0.000328	0.0113	1	03/31/2018 16:43	WG1092087
Iodomethane	U	J4	0.00286	0.0113	1	03/31/2018 16:43	WG1092087
Isopropylbenzene	U UJ	J0	0.000274	0.00113	1	03/31/2018 16:43	WG1092087
p-Isopropyltoluene	U		0.000230	0.00113	1	03/31/2018 16:43	WG1092087
2-Butanone (MEK)	U UJ	J0	0.00529	0.0113	1	03/31/2018 16:43	WG1092087
Methylene Chloride	U	J4	0.00113	0.00565	1	03/31/2018 16:43	WG1092087
4-Methyl-2-pentanone (MIBK)	U		0.00212	0.0113	1	03/31/2018 16:43	WG1092087

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U	J4	0.000239	0.00113	1	03/31/2018 16:43	WG1092087
Naphthalene	U		0.00113	0.00565	1	03/31/2018 16:43	WG1092087
n-Propylbenzene	U		0.000233	0.00113	1	03/31/2018 16:43	WG1092087
Styrene	U		0.000264	0.00113	1	03/31/2018 16:43	WG1092087
1,1,1,2-Tetrachloroethane	U		0.000298	0.00113	1	03/31/2018 16:43	WG1092087
1,1,2,2-Tetrachloroethane	U		0.000412	0.00113	1	03/31/2018 16:43	WG1092087
1,1,2-Trichlorotrifluoroethane	U		0.000412	0.00113	1	03/31/2018 16:43	WG1092087
Tetrachloroethene	0.00210		0.000312	0.00113	1	03/31/2018 16:43	WG1092087
Toluene	U		0.000490	0.00565	1	03/31/2018 16:43	WG1092087
1,2,3-Trichlorobenzene	U		0.000346	0.00113	1	03/31/2018 16:43	WG1092087
1,2,4-Trichlorobenzene	U		0.000438	0.00113	1	03/31/2018 16:43	WG1092087
1,1,1-Trichloroethane	U		0.000323	0.00113	1	03/31/2018 16:43	WG1092087
1,1,2-Trichloroethane	U		0.000313	0.00113	1	03/31/2018 16:43	WG1092087
Trichloroethene	U		0.000315	0.00113	1	03/31/2018 16:43	WG1092087
Trichlorofluoromethane	U		0.000431	0.00565	1	03/31/2018 16:43	WG1092087
1,2,3-Trichloropropane	U		0.000837	0.00282	1	03/31/2018 16:43	WG1092087
1,2,4-Trimethylbenzene	U		0.000238	0.00113	1	03/31/2018 16:43	WG1092087
1,2,3-Trimethylbenzene	U		0.000324	0.00113	1	03/31/2018 16:43	WG1092087
1,3,5-Trimethylbenzene	U		0.000300	0.00113	1	03/31/2018 16:43	WG1092087
Vinyl acetate	U		0.00270	0.0113	1	03/31/2018 16:43	WG1092087
Vinyl chloride	0.00363		0.000329	0.00113	1	03/31/2018 16:43	WG1092087
Xylenes, Total	U		0.000788	0.00339	1	03/31/2018 16:43	WG1092087
(S) Toluene-d8	*97.6*			*80.0-120*		*03/31/2018 16:43*	WG1092087
(S) Dibromofluoromethane	*104*			*74.0-131*		*03/31/2018 16:43*	WG1092087
(S) 4-Bromofluorobenzene	*96.4*			*64.0-132*		*03/31/2018 16:43*	WG1092087

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Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	88.6		1	04/02/2018 09:51	WG1092326

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.0120 J	J J0 J3	0.0113	0.0564	1	03/31/2018 17:03	WG1092087
Acrylonitrile	U		0.00202	0.0113	1	03/31/2018 17:03	WG1092087
Benzene	U		0.000305	0.00113	1	03/31/2018 17:03	WG1092087
Bromobenzene	U		0.000321	0.00113	1	03/31/2018 17:03	WG1092087
Bromodichloromethane	U		0.000287	0.00113	1	03/31/2018 17:03	WG1092087
Bromochloromethane	U		0.000440	0.00564	1	03/31/2018 17:03	WG1092087
Bromoform	U		0.000479	0.00113	1	03/31/2018 17:03	WG1092087
Bromomethane	U	J4	0.00151	0.00564	1	03/31/2018 17:03	WG1092087
n-Butylbenzene	U		0.000291	0.00113	1	03/31/2018 17:03	WG1092087
sec-Butylbenzene	U		0.000227	0.00113	1	03/31/2018 17:03	WG1092087
tert-Butylbenzene	U		0.000233	0.00113	1	03/31/2018 17:03	WG1092087
Carbon disulfide	0.000751 J	J	0.000250	0.00113	1	03/31/2018 17:03	WG1092087
Carbon tetrachloride	U	J0	0.000370	0.00113	1	03/31/2018 17:03	WG1092087
Chlorobenzene	U		0.000239	0.00113	1	03/31/2018 17:03	WG1092087
Chlorodibromomethane	U		0.000421	0.00113	1	03/31/2018 17:03	WG1092087
Chloroethane	U		0.00107	0.00564	1	03/31/2018 17:03	WG1092087
Chloroform	U		0.000259	0.00564	1	03/31/2018 17:03	WG1092087
Chloromethane	U UJ	J0	0.000423	0.00282	1	03/31/2018 17:03	WG1092087
2-Chlorotoluene	U		0.000340	0.00113	1	03/31/2018 17:03	WG1092087
4-Chlorotoluene	U		0.000271	0.00113	1	03/31/2018 17:03	WG1092087
1,2-Dibromo-3-Chloropropane	U		0.00119	0.00564	1	03/31/2018 17:03	WG1092087
1,2-Dibromoethane	U		0.000387	0.00113	1	03/31/2018 17:03	WG1092087
Dibromomethane	U		0.000431	0.00113	1	03/31/2018 17:03	WG1092087
1,2-Dichlorobenzene	U		0.000344	0.00113	1	03/31/2018 17:03	WG1092087
1,3-Dichlorobenzene	U		0.000270	0.00113	1	03/31/2018 17:03	WG1092087
1,4-Dichlorobenzene	U		0.000255	0.00113	1	03/31/2018 17:03	WG1092087
Dichlorodifluoromethane	U		0.000805	0.00564	1	03/31/2018 17:03	WG1092087
1,1-Dichloroethane	U		0.000225	0.00113	1	03/31/2018 17:03	WG1092087
1,2-Dichloroethane	U		0.000299	0.00113	1	03/31/2018 17:03	WG1092087
1,1-Dichloroethene	U		0.000342	0.00113	1	03/31/2018 17:03	WG1092087
cis-1,2-Dichloroethene	0.121 J		0.000265	0.00113	1	03/31/2018 17:03	WG1092087
trans-1,2-Dichloroethene	U		0.000298	0.00113	1	03/31/2018 17:03	WG1092087
1,2-Dichloropropane	U		0.000404	0.00113	1	03/31/2018 17:03	WG1092087
1,1-Dichloropropene	U UJ	J0	0.000358	0.00113	1	03/31/2018 17:03	WG1092087
1,3-Dichloropropane	U		0.000234	0.00113	1	03/31/2018 17:03	WG1092087
cis-1,3-Dichloropropene	U		0.000296	0.00113	1	03/31/2018 17:03	WG1092087
trans-1,3-Dichloropropene	U		0.000301	0.00113	1	03/31/2018 17:03	WG1092087
trans-1,4-Dichloro-2-butene	U		0.000878	0.00282	1	03/31/2018 17:03	WG1092087
2,2-Dichloropropane	U UJ	J0	0.000315	0.00113	1	03/31/2018 17:03	WG1092087
Di-isopropyl ether	U		0.000280	0.00113	1	03/31/2018 17:03	WG1092087
Ethylbenzene	U		0.000335	0.00113	1	03/31/2018 17:03	WG1092087
Hexachloro-1,3-butadiene	U	J3	0.000386	0.00113	1	03/31/2018 17:03	WG1092087
2-Hexanone	U		0.00155	0.0113	1	03/31/2018 17:03	WG1092087
n-Hexane	U UJ	J0	0.000327	0.0113	1	03/31/2018 17:03	WG1092087
Iodomethane	U	J4	0.00286	0.0113	1	03/31/2018 17:03	WG1092087
Isopropylbenzene	U UJ	J0	0.000274	0.00113	1	03/31/2018 17:03	WG1092087 JC 4/19/18
p-Isopropyltoluene	U		0.000230	0.00113	1	03/31/2018 17:03	WG1092087
2-Butanone (MEK)	0.0184 J	J0	0.00528	0.0113	1	03/31/2018 17:03	WG1092087
Methylene Chloride	U	J4	0.00113	0.00564	1	03/31/2018 17:03	WG1092087
4-Methyl-2-pentanone (MIBK)	U		0.00212	0.0113	1	03/31/2018 17:03	WG1092087

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U	J4	0.000239	0.00113	1	03/31/2018 17:03	WG1092087
Naphthalene	U		0.00113	0.00564	1	03/31/2018 17:03	WG1092087
n-Propylbenzene	U		0.000233	0.00113	1	03/31/2018 17:03	WG1092087
Styrene	U		0.000264	0.00113	1	03/31/2018 17:03	WG1092087
1,1,1,2-Tetrachloroethane	U		0.000298	0.00113	1	03/31/2018 17:03	WG1092087
1,1,2,2-Tetrachloroethane	U		0.000412	0.00113	1	03/31/2018 17:03	WG1092087
1,1,2-Trichlorotrifluoroethane	U		0.000412	0.00113	1	03/31/2018 17:03	WG1092087
Tetrachloroethene	0.0849	J	0.000312	0.00113	1	03/31/2018 17:03	WG1092087
Toluene	U		0.000490	0.00564	1	03/31/2018 17:03	WG1092087
1,2,3-Trichlorobenzene	U		0.000345	0.00113	1	03/31/2018 17:03	WG1092087
1,2,4-Trichlorobenzene	U		0.000438	0.00113	1	03/31/2018 17:03	WG1092087
1,1,1-Trichloroethane	U		0.000323	0.00113	1	03/31/2018 17:03	WG1092087
1,1,2-Trichloroethane	U		0.000313	0.00113	1	03/31/2018 17:03	WG1092087
Trichloroethene	0.00989	J	0.000315	0.00113	1	03/31/2018 17:03	WG1092087
Trichlorofluoromethane	U		0.000431	0.00564	1	03/31/2018 17:03	WG1092087
1,2,3-Trichloropropane	U		0.000837	0.00282	1	03/31/2018 17:03	WG1092087
1,2,4-Trimethylbenzene	U		0.000238	0.00113	1	03/31/2018 17:03	WG1092087
1,2,3-Trimethylbenzene	U		0.000324	0.00113	1	03/31/2018 17:03	WG1092087
1,3,5-Trimethylbenzene	U		0.000300	0.00113	1	03/31/2018 17:03	WG1092087
Vinyl acetate	U		0.00270	0.0113	1	03/31/2018 17:03	WG1092087
Vinyl chloride	0.0119		0.000329	0.00113	1	03/31/2018 17:03	WG1092087
Xylenes, Total	U		0.000788	0.00339	1	03/31/2018 17:03	WG1092087
(S) Toluene-d8	*96.7*			*80.0-120*		*03/31/2018 17:03*	WG1092087
(S) Dibromofluoromethane	*108*			*74.0-131*		*03/31/2018 17:03*	WG1092087
(S) 4-Bromofluorobenzene	*95.0*			*64.0-132*		*03/31/2018 17:03*	WG1092087

JC 4/19/18

ANALYTICAL REPORT

April 04, 2018

PES Environmental, Inc.- WA

Sample Delivery Group:	L980958
Samples Received:	03/28/2018
Project Number:	1413.001.05.304
Description:	American Linen Supply Project
Report To:	Brian O'Neal/Bill Haldeman 1215 Fourth Ave., Suite 1350 Seattle, WA 98161

Entire Report Reviewed By: Brian Ford

Brian Ford
Technical Service Representative

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IW-51A-5 L980958-01 Solid

Collected by	Collected date/time	Received date/time
Dan Johnson	03/26/18 09:09	03/28/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1092327	1	04/02/18 10:53	04/02/18 11:04	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1092087	1	03/26/18 09:09	03/31/18 17:22	ACG

IW-51A-10 L980958-02 Solid

Collected by	Collected date/time	Received date/time
Dan Johnson	03/26/18 09:18	03/28/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1092327	1	04/02/18 10:53	04/02/18 11:04	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1092087	1	03/26/18 09:18	03/31/18 17:42	ACG

IW-51A-15 L980958-03 Solid

Collected by	Collected date/time	Received date/time
Dan Johnson	03/26/18 09:26	03/28/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1092327	1	04/02/18 10:53	04/02/18 11:04	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1092087	1	03/26/18 09:26	03/31/18 18:02	ACG

IW-51A-20 L980958-04 Solid

Collected by	Collected date/time	Received date/time
Dan Johnson	03/26/18 09:35	03/28/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1092327	1	04/02/18 10:53	04/02/18 11:04	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1092087	1	03/26/18 09:35	03/31/18 18:21	ACG

IW-51A-25 L980958-05 Solid

Collected by	Collected date/time	Received date/time
Dan Johnson	03/26/18 09:45	03/28/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1092327	1	04/02/18 10:53	04/02/18 11:04	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1092087	1.28	03/26/18 09:45	03/31/18 18:41	ACG
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1092087	50	03/26/18 09:45	04/03/18 16:37	BMB

IW-51A-30 L980958-06 Solid

Collected by	Collected date/time	Received date/time
Dan Johnson	03/26/18 09:57	03/28/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1092327	1	04/02/18 10:53	04/02/18 11:04	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1092087	1	03/26/18 09:57	03/31/18 19:00	ACG
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1092087	25	03/26/18 09:57	04/03/18 16:57	BMB

IW-51A-35 L980958-07 Solid

Collected by	Collected date/time	Received date/time
Dan Johnson	03/26/18 10:11	03/28/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1092327	1	04/02/18 10:53	04/02/18 11:04	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1092087	1	03/26/18 10:11	03/31/18 19:20	ACG
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1092087	1	03/26/18 10:11	04/03/18 14:30	BMB

IW-51A-40 L980958-08 Solid

Collected by	Collected date/time	Received date/time
Dan Johnson	03/26/18 10:32	03/28/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1092327	1	04/02/18 10:53	04/02/18 11:04	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1092087	1	03/26/18 10:32	03/31/18 19:40	ACG
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1092087	100	03/26/18 10:32	04/03/18 17:17	BMB

IW-51A-42 L980958-09 Solid

Collected by	Collected date/time	Received date/time
Dan Johnson	03/26/18 10:41	03/28/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1092327	1	04/02/18 10:53	04/02/18 11:04	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1092087	1	03/26/18 10:41	03/31/18 19:59	BMB
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1092087	100	03/26/18 10:41	04/03/18 17:38	BMB

IW-51A-45 L980958-10 Solid

Collected by	Collected date/time	Received date/time
Dan Johnson	03/26/18 11:09	03/28/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1092327	1	04/02/18 10:53	04/02/18 11:04	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1092087	1	03/26/18 11:09	03/31/18 20:18	ACG
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1092087	1	03/26/18 11:09	04/03/18 15:18	BMB

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All radiochemical sample results for solids are reported on a dry weight basis with the exception of tritium, carbon-14 and radon, unless wet weight was requested by the client. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Brian Ford

Brian Ford
Technical Service Representative

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	90.9		1	04/02/2018 11:04	WG1092327

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U	J0 J3	0.0110	0.0550	1	03/31/2018 17:22	WG1092087
Acrylonitrile	U		0.00197	0.0110	1	03/31/2018 17:22	WG1092087
Benzene	U		0.000297	0.00110	1	03/31/2018 17:22	WG1092087
Bromobenzene	U		0.000312	0.00110	1	03/31/2018 17:22	WG1092087
Bromodichloromethane	U		0.000279	0.00110	1	03/31/2018 17:22	WG1092087
Bromochloromethane	U		0.000429	0.00550	1	03/31/2018 17:22	WG1092087
Bromoform	U		0.000466	0.00110	1	03/31/2018 17:22	WG1092087
Bromomethane	U	J4	0.00147	0.00550	1	03/31/2018 17:22	WG1092087
n-Butylbenzene	U		0.000284	0.00110	1	03/31/2018 17:22	WG1092087
sec-Butylbenzene	U		0.000221	0.00110	1	03/31/2018 17:22	WG1092087
tert-Butylbenzene	U		0.000227	0.00110	1	03/31/2018 17:22	WG1092087
Carbon disulfide	0.000561	J	0.000243	0.00110	1	03/31/2018 17:22	WG1092087
Carbon tetrachloride	U	J0	0.000361	0.00110	1	03/31/2018 17:22	WG1092087
Chlorobenzene	U		0.000233	0.00110	1	03/31/2018 17:22	WG1092087
Chlorodibromomethane	U		0.000410	0.00110	1	03/31/2018 17:22	WG1092087
Chloroethane	U		0.00104	0.00550	1	03/31/2018 17:22	WG1092087
Chloroform	U		0.000252	0.00550	1	03/31/2018 17:22	WG1092087
Chloromethane	U	J0	0.000412	0.00275	1	03/31/2018 17:22	WG1092087
2-Chlorotoluene	U		0.000331	0.00110	1	03/31/2018 17:22	WG1092087
4-Chlorotoluene	U		0.000264	0.00110	1	03/31/2018 17:22	WG1092087
1,2-Dibromo-3-Chloropropane	U		0.00115	0.00550	1	03/31/2018 17:22	WG1092087
1,2-Dibromoethane	U		0.000377	0.00110	1	03/31/2018 17:22	WG1092087
Dibromomethane	U		0.000420	0.00110	1	03/31/2018 17:22	WG1092087
1,2-Dichlorobenzene	U		0.000335	0.00110	1	03/31/2018 17:22	WG1092087
1,3-Dichlorobenzene	U		0.000263	0.00110	1	03/31/2018 17:22	WG1092087
1,4-Dichlorobenzene	U		0.000249	0.00110	1	03/31/2018 17:22	WG1092087
Dichlorodifluoromethane	U		0.000784	0.00550	1	03/31/2018 17:22	WG1092087
1,1-Dichloroethane	U		0.000219	0.00110	1	03/31/2018 17:22	WG1092087
1,2-Dichloroethane	U		0.000291	0.00110	1	03/31/2018 17:22	WG1092087
1,1-Dichloroethene	U		0.000333	0.00110	1	03/31/2018 17:22	WG1092087
cis-1,2-Dichloroethene	0.000359	J	0.000258	0.00110	1	03/31/2018 17:22	WG1092087
trans-1,2-Dichloroethene	U		0.000290	0.00110	1	03/31/2018 17:22	WG1092087
1,2-Dichloropropane	U		0.000394	0.00110	1	03/31/2018 17:22	WG1092087
1,1-Dichloropropene	U	J0	0.000349	0.00110	1	03/31/2018 17:22	WG1092087
1,3-Dichloropropane	U		0.000228	0.00110	1	03/31/2018 17:22	WG1092087
cis-1,3-Dichloropropene	U		0.000288	0.00110	1	03/31/2018 17:22	WG1092087
trans-1,3-Dichloropropene	U		0.000294	0.00110	1	03/31/2018 17:22	WG1092087
trans-1,4-Dichloro-2-butene	U		0.000856	0.00275	1	03/31/2018 17:22	WG1092087
2,2-Dichloropropane	U	J0	0.000307	0.00110	1	03/31/2018 17:22	WG1092087
Di-isopropyl ether	U		0.000273	0.00110	1	03/31/2018 17:22	WG1092087
Ethylbenzene	U		0.000327	0.00110	1	03/31/2018 17:22	WG1092087
Hexachloro-1,3-butadiene	U	J3	0.000376	0.00110	1	03/31/2018 17:22	WG1092087
2-Hexanone	U		0.00151	0.0110	1	03/31/2018 17:22	WG1092087
n-Hexane	U	J0	0.000319	0.0110	1	03/31/2018 17:22	WG1092087
Iodomethane	U	J4	0.00278	0.0110	1	03/31/2018 17:22	WG1092087
Isopropylbenzene	U	J0	0.000267	0.00110	1	03/31/2018 17:22	WG1092087
p-Isopropyltoluene	U		0.000224	0.00110	1	03/31/2018 17:22	WG1092087
2-Butanone (MEK)	U	J0	0.00515	0.0110	1	03/31/2018 17:22	WG1092087
Methylene Chloride	U	J4	0.00110	0.00550	1	03/31/2018 17:22	WG1092087
4-Methyl-2-pentanone (MIBK)	U		0.00207	0.0110	1	03/31/2018 17:22	WG1092087

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U	J4	0.000233	0.00110	1	03/31/2018 17:22	WG1092087
Naphthalene	U		0.00110	0.00550	1	03/31/2018 17:22	WG1092087
n-Propylbenzene	U		0.000227	0.00110	1	03/31/2018 17:22	WG1092087
Styrene	U		0.000257	0.00110	1	03/31/2018 17:22	WG1092087
1,1,1,2-Tetrachloroethane	U		0.000290	0.00110	1	03/31/2018 17:22	WG1092087
1,1,2,2-Tetrachloroethane	U		0.000401	0.00110	1	03/31/2018 17:22	WG1092087
1,1,2-Trichlorotrifluoroethane	U		0.000401	0.00110	1	03/31/2018 17:22	WG1092087
Tetrachloroethene	0.00410		0.000303	0.00110	1	03/31/2018 17:22	WG1092087
Toluene	U		0.000477	0.00550	1	03/31/2018 17:22	WG1092087
1,2,3-Trichlorobenzene	U		0.000336	0.00110	1	03/31/2018 17:22	WG1092087
1,2,4-Trichlorobenzene	U		0.000427	0.00110	1	03/31/2018 17:22	WG1092087
1,1,1-Trichloroethane	U		0.000314	0.00110	1	03/31/2018 17:22	WG1092087
1,1,2-Trichloroethane	U		0.000305	0.00110	1	03/31/2018 17:22	WG1092087
Trichloroethene	U		0.000307	0.00110	1	03/31/2018 17:22	WG1092087
Trichlorofluoromethane	U		0.000420	0.00550	1	03/31/2018 17:22	WG1092087
1,2,3-Trichloropropane	U		0.000815	0.00275	1	03/31/2018 17:22	WG1092087
1,2,4-Trimethylbenzene	U		0.000232	0.00110	1	03/31/2018 17:22	WG1092087
1,2,3-Trimethylbenzene	U		0.000316	0.00110	1	03/31/2018 17:22	WG1092087
1,3,5-Trimethylbenzene	U		0.000292	0.00110	1	03/31/2018 17:22	WG1092087
Vinyl acetate	U		0.00263	0.0110	1	03/31/2018 17:22	WG1092087
Vinyl chloride	U		0.000320	0.00110	1	03/31/2018 17:22	WG1092087
Xylenes, Total	U		0.000768	0.00330	1	03/31/2018 17:22	WG1092087
(S) Toluene-d8	*95.9*			*80.0-120*		*03/31/2018 17:22*	WG1092087
(S) Dibromofluoromethane	*106*			*74.0-131*		*03/31/2018 17:22*	WG1092087
(S) 4-Bromofluorobenzene	*92.6*			*64.0-132*		*03/31/2018 17:22*	WG1092087

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	91.7		1	04/02/2018 11:04	WG1092327

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U	J0 J3	0.0109	0.0545	1	03/31/2018 17:42	WG1092087
Acrylonitrile	U		0.00195	0.0109	1	03/31/2018 17:42	WG1092087
Benzene	U		0.000294	0.00109	1	03/31/2018 17:42	WG1092087
Bromobenzene	U		0.000310	0.00109	1	03/31/2018 17:42	WG1092087
Bromodichloromethane	U		0.000277	0.00109	1	03/31/2018 17:42	WG1092087
Bromochloromethane	U		0.000425	0.00545	1	03/31/2018 17:42	WG1092087
Bromoform	U		0.000462	0.00109	1	03/31/2018 17:42	WG1092087
Bromomethane	U	J4	0.00146	0.00545	1	03/31/2018 17:42	WG1092087
n-Butylbenzene	U		0.000281	0.00109	1	03/31/2018 17:42	WG1092087
sec-Butylbenzene	U		0.000219	0.00109	1	03/31/2018 17:42	WG1092087
tert-Butylbenzene	U		0.000225	0.00109	1	03/31/2018 17:42	WG1092087
Carbon disulfide	U		0.000241	0.00109	1	03/31/2018 17:42	WG1092087
Carbon tetrachloride	U	J0	0.000358	0.00109	1	03/31/2018 17:42	WG1092087
Chlorobenzene	U		0.000231	0.00109	1	03/31/2018 17:42	WG1092087
Chlorodibromomethane	U		0.000407	0.00109	1	03/31/2018 17:42	WG1092087
Chloroethane	U		0.00103	0.00545	1	03/31/2018 17:42	WG1092087
Chloroform	U		0.000250	0.00545	1	03/31/2018 17:42	WG1092087
Chloromethane	U	J0	0.000409	0.00273	1	03/31/2018 17:42	WG1092087
2-Chlorotoluene	U		0.000328	0.00109	1	03/31/2018 17:42	WG1092087
4-Chlorotoluene	U		0.000262	0.00109	1	03/31/2018 17:42	WG1092087
1,2-Dibromo-3-Chloropropane	U		0.00115	0.00545	1	03/31/2018 17:42	WG1092087
1,2-Dibromoethane	U		0.000374	0.00109	1	03/31/2018 17:42	WG1092087
Dibromomethane	U		0.000417	0.00109	1	03/31/2018 17:42	WG1092087
1,2-Dichlorobenzene	U		0.000333	0.00109	1	03/31/2018 17:42	WG1092087
1,3-Dichlorobenzene	U		0.000261	0.00109	1	03/31/2018 17:42	WG1092087
1,4-Dichlorobenzene	U		0.000246	0.00109	1	03/31/2018 17:42	WG1092087
Dichlorodifluoromethane	U		0.000778	0.00545	1	03/31/2018 17:42	WG1092087
1,1-Dichloroethane	U		0.000217	0.00109	1	03/31/2018 17:42	WG1092087
1,2-Dichloroethane	U		0.000289	0.00109	1	03/31/2018 17:42	WG1092087
1,1-Dichloroethene	U		0.000330	0.00109	1	03/31/2018 17:42	WG1092087
cis-1,2-Dichloroethene	U		0.000256	0.00109	1	03/31/2018 17:42	WG1092087
trans-1,2-Dichloroethene	U		0.000288	0.00109	1	03/31/2018 17:42	WG1092087
1,2-Dichloropropane	U		0.000390	0.00109	1	03/31/2018 17:42	WG1092087
1,1-Dichloropropene	U	J0	0.000346	0.00109	1	03/31/2018 17:42	WG1092087
1,3-Dichloropropane	U		0.000226	0.00109	1	03/31/2018 17:42	WG1092087
cis-1,3-Dichloropropene	U		0.000286	0.00109	1	03/31/2018 17:42	WG1092087
trans-1,3-Dichloropropene	U		0.000291	0.00109	1	03/31/2018 17:42	WG1092087
trans-1,4-Dichloro-2-butene	U		0.000848	0.00273	1	03/31/2018 17:42	WG1092087
2,2-Dichloropropane	U	J0	0.000304	0.00109	1	03/31/2018 17:42	WG1092087
Di-isopropyl ether	U		0.000270	0.00109	1	03/31/2018 17:42	WG1092087
Ethylbenzene	U		0.000324	0.00109	1	03/31/2018 17:42	WG1092087
Hexachloro-1,3-butadiene	U	J3	0.000373	0.00109	1	03/31/2018 17:42	WG1092087
2-Hexanone	U		0.00149	0.0109	1	03/31/2018 17:42	WG1092087
n-Hexane	U	J0	0.000316	0.0109	1	03/31/2018 17:42	WG1092087
Iodomethane	U	J4	0.00276	0.0109	1	03/31/2018 17:42	WG1092087
Isopropylbenzene	U	J0	0.000265	0.00109	1	03/31/2018 17:42	WG1092087
p-Isopropyltoluene	U		0.000222	0.00109	1	03/31/2018 17:42	WG1092087
2-Butanone (MEK)	U	J0	0.00510	0.0109	1	03/31/2018 17:42	WG1092087
Methylene Chloride	U	J4	0.00109	0.00545	1	03/31/2018 17:42	WG1092087
4-Methyl-2-pentanone (MIBK)	U		0.00205	0.0109	1	03/31/2018 17:42	WG1092087

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U	J4	0.000231	0.00109	1	03/31/2018 17:42	WG1092087
Naphthalene	U		0.00109	0.00545	1	03/31/2018 17:42	WG1092087
n-Propylbenzene	U		0.000225	0.00109	1	03/31/2018 17:42	WG1092087
Styrene	U		0.000255	0.00109	1	03/31/2018 17:42	WG1092087
1,1,1,2-Tetrachloroethane	U		0.000288	0.00109	1	03/31/2018 17:42	WG1092087
1,1,2,2-Tetrachloroethane	U		0.000398	0.00109	1	03/31/2018 17:42	WG1092087
1,1,2-Trichlorotrifluoroethane	U		0.000398	0.00109	1	03/31/2018 17:42	WG1092087
Tetrachloroethene	0.00112		0.000301	0.00109	1	03/31/2018 17:42	WG1092087
Toluene	U		0.000473	0.00545	1	03/31/2018 17:42	WG1092087
1,2,3-Trichlorobenzene	U		0.000334	0.00109	1	03/31/2018 17:42	WG1092087
1,2,4-Trichlorobenzene	U		0.000423	0.00109	1	03/31/2018 17:42	WG1092087
1,1,1-Trichloroethane	U		0.000312	0.00109	1	03/31/2018 17:42	WG1092087
1,1,2-Trichloroethane	U		0.000302	0.00109	1	03/31/2018 17:42	WG1092087
Trichloroethene	U		0.000304	0.00109	1	03/31/2018 17:42	WG1092087
Trichlorofluoromethane	U		0.000417	0.00545	1	03/31/2018 17:42	WG1092087
1,2,3-Trichloropropane	U		0.000808	0.00273	1	03/31/2018 17:42	WG1092087
1,2,4-Trimethylbenzene	U		0.000230	0.00109	1	03/31/2018 17:42	WG1092087
1,2,3-Trimethylbenzene	U		0.000313	0.00109	1	03/31/2018 17:42	WG1092087
1,3,5-Trimethylbenzene	U		0.000290	0.00109	1	03/31/2018 17:42	WG1092087
Vinyl acetate	U		0.00261	0.0109	1	03/31/2018 17:42	WG1092087
Vinyl chloride	U		0.000317	0.00109	1	03/31/2018 17:42	WG1092087
Xylenes, Total	U		0.000761	0.00327	1	03/31/2018 17:42	WG1092087
(S) Toluene-d8	*97.4*			*80.0-120*		*03/31/2018 17:42*	WG1092087
(S) Dibromofluoromethane	*108*			*74.0-131*		*03/31/2018 17:42*	WG1092087
(S) 4-Bromofluorobenzene	*92.5*			*64.0-132*		*03/31/2018 17:42*	WG1092087

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	88.2		1	04/02/2018 11:04	WG1092327

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.186	J0 J3	0.0113	0.0567	1	03/31/2018 18:02	WG1092087
Acrylonitrile	U		0.00203	0.0113	1	03/31/2018 18:02	WG1092087
Benzene	U		0.000306	0.00113	1	03/31/2018 18:02	WG1092087
Bromobenzene	U		0.000322	0.00113	1	03/31/2018 18:02	WG1092087
Bromodichloromethane	U		0.000288	0.00113	1	03/31/2018 18:02	WG1092087
Bromochloromethane	U		0.000442	0.00567	1	03/31/2018 18:02	WG1092087
Bromoform	U		0.000481	0.00113	1	03/31/2018 18:02	WG1092087
Bromomethane	U	J4	0.00152	0.00567	1	03/31/2018 18:02	WG1092087
n-Butylbenzene	U		0.000293	0.00113	1	03/31/2018 18:02	WG1092087
sec-Butylbenzene	U		0.000228	0.00113	1	03/31/2018 18:02	WG1092087
tert-Butylbenzene	U		0.000234	0.00113	1	03/31/2018 18:02	WG1092087
Carbon disulfide	0.00136		0.000251	0.00113	1	03/31/2018 18:02	WG1092087
Carbon tetrachloride	U	J0	0.000372	0.00113	1	03/31/2018 18:02	WG1092087
Chlorobenzene	U		0.000240	0.00113	1	03/31/2018 18:02	WG1092087
Chlorodibromomethane	U		0.000423	0.00113	1	03/31/2018 18:02	WG1092087
Chloroethane	U		0.00107	0.00567	1	03/31/2018 18:02	WG1092087
Chloroform	U		0.000260	0.00567	1	03/31/2018 18:02	WG1092087
Chloromethane	U	J0	0.000425	0.00283	1	03/31/2018 18:02	WG1092087
2-Chlorotoluene	U		0.000341	0.00113	1	03/31/2018 18:02	WG1092087
4-Chlorotoluene	U		0.000272	0.00113	1	03/31/2018 18:02	WG1092087
1,2-Dibromo-3-Chloropropane	U		0.00119	0.00567	1	03/31/2018 18:02	WG1092087
1,2-Dibromoethane	U		0.000389	0.00113	1	03/31/2018 18:02	WG1092087
Dibromomethane	U		0.000433	0.00113	1	03/31/2018 18:02	WG1092087
1,2-Dichlorobenzene	U		0.000346	0.00113	1	03/31/2018 18:02	WG1092087
1,3-Dichlorobenzene	U		0.000271	0.00113	1	03/31/2018 18:02	WG1092087
1,4-Dichlorobenzene	U		0.000256	0.00113	1	03/31/2018 18:02	WG1092087
Dichlorodifluoromethane	U		0.000809	0.00567	1	03/31/2018 18:02	WG1092087
1,1-Dichloroethane	U		0.000226	0.00113	1	03/31/2018 18:02	WG1092087
1,2-Dichloroethane	U		0.000301	0.00113	1	03/31/2018 18:02	WG1092087
1,1-Dichloroethene	U		0.000344	0.00113	1	03/31/2018 18:02	WG1092087
cis-1,2-Dichloroethene	0.000778	J	0.000266	0.00113	1	03/31/2018 18:02	WG1092087
trans-1,2-Dichloroethene	U		0.000299	0.00113	1	03/31/2018 18:02	WG1092087
1,2-Dichloropropane	U		0.000406	0.00113	1	03/31/2018 18:02	WG1092087
1,1-Dichloropropene	U	J0	0.000359	0.00113	1	03/31/2018 18:02	WG1092087
1,3-Dichloropropane	U		0.000235	0.00113	1	03/31/2018 18:02	WG1092087
cis-1,3-Dichloropropene	U		0.000297	0.00113	1	03/31/2018 18:02	WG1092087
trans-1,3-Dichloropropene	U		0.000303	0.00113	1	03/31/2018 18:02	WG1092087
trans-1,4-Dichloro-2-butene	U		0.000882	0.00283	1	03/31/2018 18:02	WG1092087
2,2-Dichloropropane	U	J0	0.000316	0.00113	1	03/31/2018 18:02	WG1092087
Di-isopropyl ether	U		0.000281	0.00113	1	03/31/2018 18:02	WG1092087
Ethylbenzene	U		0.000337	0.00113	1	03/31/2018 18:02	WG1092087
Hexachloro-1,3-butadiene	U	J3	0.000388	0.00113	1	03/31/2018 18:02	WG1092087
2-Hexanone	U		0.00155	0.0113	1	03/31/2018 18:02	WG1092087
n-Hexane	U	J0	0.000329	0.0113	1	03/31/2018 18:02	WG1092087
Iodomethane	U	J4	0.00287	0.0113	1	03/31/2018 18:02	WG1092087
Isopropylbenzene	U	J0	0.000276	0.00113	1	03/31/2018 18:02	WG1092087
p-Isopropyltoluene	U		0.000231	0.00113	1	03/31/2018 18:02	WG1092087
2-Butanone (MEK)	0.0807	J0	0.00531	0.0113	1	03/31/2018 18:02	WG1092087
Methylene Chloride	U	J4	0.00113	0.00567	1	03/31/2018 18:02	WG1092087
4-Methyl-2-pentanone (MIBK)	U		0.00213	0.0113	1	03/31/2018 18:02	WG1092087

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U	J4	0.000240	0.00113	1	03/31/2018 18:02	WG1092087
Naphthalene	U		0.00113	0.00567	1	03/31/2018 18:02	WG1092087
n-Propylbenzene	U		0.000234	0.00113	1	03/31/2018 18:02	WG1092087
Styrene	U		0.000265	0.00113	1	03/31/2018 18:02	WG1092087
1,1,1,2-Tetrachloroethane	U		0.000299	0.00113	1	03/31/2018 18:02	WG1092087
1,1,2,2-Tetrachloroethane	U		0.000414	0.00113	1	03/31/2018 18:02	WG1092087
1,1,2-Trichlorotrifluoroethane	U		0.000414	0.00113	1	03/31/2018 18:02	WG1092087
Tetrachloroethene	0.00450		0.000313	0.00113	1	03/31/2018 18:02	WG1092087
Toluene	U		0.000492	0.00567	1	03/31/2018 18:02	WG1092087
1,2,3-Trichlorobenzene	U		0.000347	0.00113	1	03/31/2018 18:02	WG1092087
1,2,4-Trichlorobenzene	U		0.000440	0.00113	1	03/31/2018 18:02	WG1092087
1,1,1-Trichloroethane	U		0.000324	0.00113	1	03/31/2018 18:02	WG1092087
1,1,2-Trichloroethane	U		0.000314	0.00113	1	03/31/2018 18:02	WG1092087
Trichloroethene	U		0.000316	0.00113	1	03/31/2018 18:02	WG1092087
Trichlorofluoromethane	U		0.000433	0.00567	1	03/31/2018 18:02	WG1092087
1,2,3-Trichloropropane	U		0.000840	0.00283	1	03/31/2018 18:02	WG1092087
1,2,4-Trimethylbenzene	U		0.000239	0.00113	1	03/31/2018 18:02	WG1092087
1,2,3-Trimethylbenzene	U		0.000325	0.00113	1	03/31/2018 18:02	WG1092087
1,3,5-Trimethylbenzene	U		0.000302	0.00113	1	03/31/2018 18:02	WG1092087
Vinyl acetate	U		0.00271	0.0113	1	03/31/2018 18:02	WG1092087
Vinyl chloride	U		0.000330	0.00113	1	03/31/2018 18:02	WG1092087
Xylenes, Total	U		0.000792	0.00340	1	03/31/2018 18:02	WG1092087
(S) Toluene-d8	*93.8*			*80.0-120*		*03/31/2018 18:02*	WG1092087
(S) Dibromofluoromethane	*109*			*74.0-131*		*03/31/2018 18:02*	WG1092087
(S) 4-Bromofluorobenzene	*93.4*			*64.0-132*		*03/31/2018 18:02*	WG1092087

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	92.3		1	04/02/2018 11:04	WG1092327

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.0156	J J0 J3	0.0108	0.0542	1	03/31/2018 18:21	WG1092087
Acrylonitrile	U		0.00194	0.0108	1	03/31/2018 18:21	WG1092087
Benzene	U		0.000293	0.00108	1	03/31/2018 18:21	WG1092087
Bromobenzene	U		0.000308	0.00108	1	03/31/2018 18:21	WG1092087
Bromodichloromethane	U		0.000275	0.00108	1	03/31/2018 18:21	WG1092087
Bromochloromethane	U		0.000423	0.00542	1	03/31/2018 18:21	WG1092087
Bromoform	U		0.000459	0.00108	1	03/31/2018 18:21	WG1092087
Bromomethane	U	J4	0.00145	0.00542	1	03/31/2018 18:21	WG1092087
n-Butylbenzene	U		0.000280	0.00108	1	03/31/2018 18:21	WG1092087
sec-Butylbenzene	U		0.000218	0.00108	1	03/31/2018 18:21	WG1092087
tert-Butylbenzene	U		0.000223	0.00108	1	03/31/2018 18:21	WG1092087
Carbon disulfide	0.000312	J	0.000239	0.00108	1	03/31/2018 18:21	WG1092087
Carbon tetrachloride	U	J0	0.000355	0.00108	1	03/31/2018 18:21	WG1092087
Chlorobenzene	U		0.000230	0.00108	1	03/31/2018 18:21	WG1092087
Chlorodibromomethane	U		0.000404	0.00108	1	03/31/2018 18:21	WG1092087
Chloroethane	U		0.00102	0.00542	1	03/31/2018 18:21	WG1092087
Chloroform	U		0.000248	0.00542	1	03/31/2018 18:21	WG1092087
Chloromethane	U	J0	0.000406	0.00271	1	03/31/2018 18:21	WG1092087
2-Chlorotoluene	U		0.000326	0.00108	1	03/31/2018 18:21	WG1092087
4-Chlorotoluene	U		0.000260	0.00108	1	03/31/2018 18:21	WG1092087
1,2-Dibromo-3-Chloropropane	U		0.00114	0.00542	1	03/31/2018 18:21	WG1092087
1,2-Dibromoethane	U		0.000372	0.00108	1	03/31/2018 18:21	WG1092087
Dibromomethane	U		0.000414	0.00108	1	03/31/2018 18:21	WG1092087
1,2-Dichlorobenzene	U		0.000330	0.00108	1	03/31/2018 18:21	WG1092087
1,3-Dichlorobenzene	U		0.000259	0.00108	1	03/31/2018 18:21	WG1092087
1,4-Dichlorobenzene	U		0.000245	0.00108	1	03/31/2018 18:21	WG1092087
Dichlorodifluoromethane	U		0.000772	0.00542	1	03/31/2018 18:21	WG1092087
1,1-Dichloroethane	U		0.000216	0.00108	1	03/31/2018 18:21	WG1092087
1,2-Dichloroethane	U		0.000287	0.00108	1	03/31/2018 18:21	WG1092087
1,1-Dichloroethene	U		0.000328	0.00108	1	03/31/2018 18:21	WG1092087
cis-1,2-Dichloroethene	0.000759	J	0.000255	0.00108	1	03/31/2018 18:21	WG1092087
trans-1,2-Dichloroethene	U		0.000286	0.00108	1	03/31/2018 18:21	WG1092087
1,2-Dichloropropane	U		0.000388	0.00108	1	03/31/2018 18:21	WG1092087
1,1-Dichloropropene	U	J0	0.000343	0.00108	1	03/31/2018 18:21	WG1092087
1,3-Dichloropropane	U		0.000224	0.00108	1	03/31/2018 18:21	WG1092087
cis-1,3-Dichloropropene	U		0.000284	0.00108	1	03/31/2018 18:21	WG1092087
trans-1,3-Dichloropropene	U		0.000289	0.00108	1	03/31/2018 18:21	WG1092087
trans-1,4-Dichloro-2-butene	U		0.000843	0.00271	1	03/31/2018 18:21	WG1092087
2,2-Dichloropropane	U	J0	0.000302	0.00108	1	03/31/2018 18:21	WG1092087
Di-isopropyl ether	U		0.000269	0.00108	1	03/31/2018 18:21	WG1092087
Ethylbenzene	U		0.000322	0.00108	1	03/31/2018 18:21	WG1092087
Hexachloro-1,3-butadiene	U	J3	0.000371	0.00108	1	03/31/2018 18:21	WG1092087
2-Hexanone	U		0.00148	0.0108	1	03/31/2018 18:21	WG1092087
n-Hexane	U	J0	0.000314	0.0108	1	03/31/2018 18:21	WG1092087
Iodomethane	U	J4	0.00274	0.0108	1	03/31/2018 18:21	WG1092087
Isopropylbenzene	U	J0	0.000263	0.00108	1	03/31/2018 18:21	WG1092087
p-Isopropyltoluene	U		0.000221	0.00108	1	03/31/2018 18:21	WG1092087
2-Butanone (MEK)	0.0108	J0	0.00507	0.0108	1	03/31/2018 18:21	WG1092087
Methylene Chloride	U	J4	0.00108	0.00542	1	03/31/2018 18:21	WG1092087
4-Methyl-2-pentanone (MIBK)	U		0.00204	0.0108	1	03/31/2018 18:21	WG1092087

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U	J4	0.000230	0.00108	1	03/31/2018 18:21	WG1092087
Naphthalene	U		0.00108	0.00542	1	03/31/2018 18:21	WG1092087
n-Propylbenzene	U		0.000223	0.00108	1	03/31/2018 18:21	WG1092087
Styrene	U		0.000254	0.00108	1	03/31/2018 18:21	WG1092087
1,1,1,2-Tetrachloroethane	U		0.000286	0.00108	1	03/31/2018 18:21	WG1092087
1,1,2,2-Tetrachloroethane	U		0.000395	0.00108	1	03/31/2018 18:21	WG1092087
1,1,2-Trichlorotrifluoroethane	U		0.000395	0.00108	1	03/31/2018 18:21	WG1092087
Tetrachloroethene	0.00211		0.000299	0.00108	1	03/31/2018 18:21	WG1092087
Toluene	U		0.000470	0.00542	1	03/31/2018 18:21	WG1092087
1,2,3-Trichlorobenzene	U		0.000332	0.00108	1	03/31/2018 18:21	WG1092087
1,2,4-Trichlorobenzene	U		0.000420	0.00108	1	03/31/2018 18:21	WG1092087
1,1,1-Trichloroethane	U		0.000310	0.00108	1	03/31/2018 18:21	WG1092087
1,1,2-Trichloroethane	U		0.000300	0.00108	1	03/31/2018 18:21	WG1092087
Trichloroethene	U		0.000302	0.00108	1	03/31/2018 18:21	WG1092087
Trichlorofluoromethane	U		0.000414	0.00542	1	03/31/2018 18:21	WG1092087
1,2,3-Trichloropropane	U		0.000803	0.00271	1	03/31/2018 18:21	WG1092087
1,2,4-Trimethylbenzene	U		0.000229	0.00108	1	03/31/2018 18:21	WG1092087
1,2,3-Trimethylbenzene	U		0.000311	0.00108	1	03/31/2018 18:21	WG1092087
1,3,5-Trimethylbenzene	U		0.000288	0.00108	1	03/31/2018 18:21	WG1092087
Vinyl acetate	U		0.00259	0.0108	1	03/31/2018 18:21	WG1092087
Vinyl chloride	U		0.000315	0.00108	1	03/31/2018 18:21	WG1092087
Xylenes, Total	U		0.000756	0.00325	1	03/31/2018 18:21	WG1092087
(S) Toluene-d8	*96.2*			*80.0-120*		*03/31/2018 18:21*	WG1092087
(S) Dibromofluoromethane	*107*			*74.0-131*		*03/31/2018 18:21*	WG1092087
(S) 4-Bromofluorobenzene	*90.1*			*64.0-132*		*03/31/2018 18:21*	WG1092087

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	92.8		1	04/02/2018 11:04	WG1092327

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U	J0 J3	0.0138	0.0690	1.28	03/31/2018 18:41	WG1092087
Acrylonitrile	U		0.00247	0.0138	1.28	03/31/2018 18:41	WG1092087
Benzene	U		0.000373	0.00138	1.28	03/31/2018 18:41	WG1092087
Bromobenzene	U		0.000392	0.00138	1.28	03/31/2018 18:41	WG1092087
Bromodichloromethane	U		0.000350	0.00138	1.28	03/31/2018 18:41	WG1092087
Bromochloromethane	U		0.000538	0.00690	1.28	03/31/2018 18:41	WG1092087
Bromoform	U		0.000585	0.00138	1.28	03/31/2018 18:41	WG1092087
Bromomethane	U	J4	0.00185	0.00690	1.28	03/31/2018 18:41	WG1092087
n-Butylbenzene	U		0.000356	0.00138	1.28	03/31/2018 18:41	WG1092087
sec-Butylbenzene	U		0.000277	0.00138	1.28	03/31/2018 18:41	WG1092087
tert-Butylbenzene	U		0.000285	0.00138	1.28	03/31/2018 18:41	WG1092087
Carbon disulfide	U		0.000305	0.00138	1.28	03/31/2018 18:41	WG1092087
Carbon tetrachloride	U	J0	0.000453	0.00138	1.28	03/31/2018 18:41	WG1092087
Chlorobenzene	U		0.000292	0.00138	1.28	03/31/2018 18:41	WG1092087
Chlorodibromomethane	U		0.000514	0.00138	1.28	03/31/2018 18:41	WG1092087
Chloroethane	U		0.00130	0.00690	1.28	03/31/2018 18:41	WG1092087
Chloroform	U		0.000316	0.00690	1.28	03/31/2018 18:41	WG1092087
Chloromethane	U	J0	0.000517	0.00345	1.28	03/31/2018 18:41	WG1092087
2-Chlorotoluene	U		0.000415	0.00138	1.28	03/31/2018 18:41	WG1092087
4-Chlorotoluene	U		0.000331	0.00138	1.28	03/31/2018 18:41	WG1092087
1,2-Dibromo-3-Chloropropane	U		0.00144	0.00690	1.28	03/31/2018 18:41	WG1092087
1,2-Dibromoethane	U		0.000473	0.00138	1.28	03/31/2018 18:41	WG1092087
Dibromomethane	U		0.000527	0.00138	1.28	03/31/2018 18:41	WG1092087
1,2-Dichlorobenzene	U		0.000420	0.00138	1.28	03/31/2018 18:41	WG1092087
1,3-Dichlorobenzene	U		0.000330	0.00138	1.28	03/31/2018 18:41	WG1092087
1,4-Dichlorobenzene	U		0.000312	0.00138	1.28	03/31/2018 18:41	WG1092087
Dichlorodifluoromethane	U		0.000984	0.00690	1.28	03/31/2018 18:41	WG1092087
1,1-Dichloroethane	U		0.000275	0.00138	1.28	03/31/2018 18:41	WG1092087
1,2-Dichloroethane	U		0.000365	0.00138	1.28	03/31/2018 18:41	WG1092087
1,1-Dichloroethene	0.000517	J	0.000418	0.00138	1.28	03/31/2018 18:41	WG1092087
cis-1,2-Dichloroethene	0.0670		0.000324	0.00138	1.28	03/31/2018 18:41	WG1092087
trans-1,2-Dichloroethene	0.000506	J	0.000364	0.00138	1.28	03/31/2018 18:41	WG1092087
1,2-Dichloropropane	U		0.000494	0.00138	1.28	03/31/2018 18:41	WG1092087
1,1-Dichloropropene	U	J0	0.000438	0.00138	1.28	03/31/2018 18:41	WG1092087
1,3-Dichloropropane	U		0.000286	0.00138	1.28	03/31/2018 18:41	WG1092087
cis-1,3-Dichloropropene	U		0.000361	0.00138	1.28	03/31/2018 18:41	WG1092087
trans-1,3-Dichloropropene	U		0.000369	0.00138	1.28	03/31/2018 18:41	WG1092087
trans-1,4-Dichloro-2-butene	U		0.00107	0.00345	1.28	03/31/2018 18:41	WG1092087
2,2-Dichloropropane	U	J0	0.000385	0.00138	1.28	03/31/2018 18:41	WG1092087
Di-isopropyl ether	U		0.000342	0.00138	1.28	03/31/2018 18:41	WG1092087
Ethylbenzene	U		0.000410	0.00138	1.28	03/31/2018 18:41	WG1092087
Hexachloro-1,3-butadiene	U	J3	0.000472	0.00138	1.28	03/31/2018 18:41	WG1092087
2-Hexanone	U		0.00189	0.0138	1.28	03/31/2018 18:41	WG1092087
n-Hexane	U	J0	0.000400	0.0138	1.28	03/31/2018 18:41	WG1092087
Iodomethane	U	J4	0.00349	0.0138	1.28	03/31/2018 18:41	WG1092087
Isopropylbenzene	U	J0	0.000335	0.00138	1.28	03/31/2018 18:41	WG1092087
p-Isopropyltoluene	U		0.000281	0.00138	1.28	03/31/2018 18:41	WG1092087
2-Butanone (MEK)	U	J0	0.00646	0.0138	1.28	03/31/2018 18:41	WG1092087
Methylene Chloride	U	J4	0.00138	0.00690	1.28	03/31/2018 18:41	WG1092087
4-Methyl-2-pentanone (MIBK)	U		0.00260	0.0138	1.28	03/31/2018 18:41	WG1092087

IW-51A-25

Collected date/time: 03/26/18 09:45

SAMPLE RESULTS - 05

L980958

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U	J4	0.000292	0.00138	1.28	03/31/2018 18:41	WG1092087
Naphthalene	U		0.00138	0.00690	1.28	03/31/2018 18:41	WG1092087
n-Propylbenzene	U		0.000285	0.00138	1.28	03/31/2018 18:41	WG1092087
Styrene	U		0.000323	0.00138	1.28	03/31/2018 18:41	WG1092087
1,1,1,2-Tetrachloroethane	U		0.000364	0.00138	1.28	03/31/2018 18:41	WG1092087
1,1,2,2-Tetrachloroethane	U		0.000503	0.00138	1.28	03/31/2018 18:41	WG1092087
1,1,2-Trichlorotrifluoroethane	U		0.000503	0.00138	1.28	03/31/2018 18:41	WG1092087
Tetrachloroethene	5.20		0.0149	0.0539	50	04/03/2018 16:37	WG1092087
Toluene	U		0.000599	0.00690	1.28	03/31/2018 18:41	WG1092087
1,2,3-Trichlorobenzene	U		0.000423	0.00138	1.28	03/31/2018 18:41	WG1092087
1,2,4-Trichlorobenzene	U		0.000536	0.00138	1.28	03/31/2018 18:41	WG1092087
1,1,1-Trichloroethane	U		0.000395	0.00138	1.28	03/31/2018 18:41	WG1092087
1,1,2-Trichloroethane	U		0.000382	0.00138	1.28	03/31/2018 18:41	WG1092087
Trichloroethene	0.0410		0.000385	0.00138	1.28	03/31/2018 18:41	WG1092087
Trichlorofluoromethane	U		0.000527	0.00690	1.28	03/31/2018 18:41	WG1092087
1,2,3-Trichloropropane	U		0.00102	0.00345	1.28	03/31/2018 18:41	WG1092087
1,2,4-Trimethylbenzene	U		0.000291	0.00138	1.28	03/31/2018 18:41	WG1092087
1,2,3-Trimethylbenzene	U		0.000396	0.00138	1.28	03/31/2018 18:41	WG1092087
1,3,5-Trimethylbenzene	U		0.000367	0.00138	1.28	03/31/2018 18:41	WG1092087
Vinyl acetate	U		0.00330	0.0138	1.28	03/31/2018 18:41	WG1092087
Vinyl chloride	U		0.000401	0.00138	1.28	03/31/2018 18:41	WG1092087
Xylenes, Total	U		0.000963	0.00414	1.28	03/31/2018 18:41	WG1092087
(S) Toluene-d8	*95.6*			*80.0-120*		*03/31/2018 18:41*	WG1092087
(S) Toluene-d8	*112*			*80.0-120*		*04/03/2018 16:37*	WG1092087
(S) Dibromofluoromethane	*102*			*74.0-131*		*04/03/2018 16:37*	WG1092087
(S) Dibromofluoromethane	*109*			*74.0-131*		*03/31/2018 18:41*	WG1092087
(S) 4-Bromofluorobenzene	*94.4*			*64.0-132*		*03/31/2018 18:41*	WG1092087
(S) 4-Bromofluorobenzene	*101*			*64.0-132*		*04/03/2018 16:37*	WG1092087

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch
Analyte	%			date / time	
Total Solids	92.8		1	04/02/2018 11:04	WG1092327

Volatile Organic Compounds (GC/MS) by Method 8260C

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J0 J3	0.0108	0.0539	1	03/31/2018 19:00	WG1092087
Acrylonitrile	U		0.00193	0.0108	1	03/31/2018 19:00	WG1092087
Benzene	U		0.000291	0.00108	1	03/31/2018 19:00	WG1092087
Bromobenzene	U		0.000306	0.00108	1	03/31/2018 19:00	WG1092087
Bromodichloromethane	U		0.000274	0.00108	1	03/31/2018 19:00	WG1092087
Bromochloromethane	U		0.000420	0.00539	1	03/31/2018 19:00	WG1092087
Bromoform	U		0.000457	0.00108	1	03/31/2018 19:00	WG1092087
Bromomethane	U	J4	0.00144	0.00539	1	03/31/2018 19:00	WG1092087
n-Butylbenzene	U		0.000278	0.00108	1	03/31/2018 19:00	WG1092087
sec-Butylbenzene	U		0.000217	0.00108	1	03/31/2018 19:00	WG1092087
tert-Butylbenzene	U		0.000222	0.00108	1	03/31/2018 19:00	WG1092087
Carbon disulfide	U		0.000238	0.00108	1	03/31/2018 19:00	WG1092087
Carbon tetrachloride	U	J0	0.000353	0.00108	1	03/31/2018 19:00	WG1092087
Chlorobenzene	U		0.000228	0.00108	1	03/31/2018 19:00	WG1092087
Chlorodibromomethane	U		0.000402	0.00108	1	03/31/2018 19:00	WG1092087
Chloroethane	U		0.00102	0.00539	1	03/31/2018 19:00	WG1092087
Chloroform	U		0.000247	0.00539	1	03/31/2018 19:00	WG1092087
Chloromethane	U	J0	0.000404	0.00269	1	03/31/2018 19:00	WG1092087
2-Chlorotoluene	U		0.000324	0.00108	1	03/31/2018 19:00	WG1092087
4-Chlorotoluene	U		0.000259	0.00108	1	03/31/2018 19:00	WG1092087
1,2-Dibromo-3-Chloropropane	U		0.00113	0.00539	1	03/31/2018 19:00	WG1092087
1,2-Dibromoethane	U		0.000370	0.00108	1	03/31/2018 19:00	WG1092087
Dibromomethane	U		0.000412	0.00108	1	03/31/2018 19:00	WG1092087
1,2-Dichlorobenzene	U		0.000329	0.00108	1	03/31/2018 19:00	WG1092087
1,3-Dichlorobenzene	U		0.000258	0.00108	1	03/31/2018 19:00	WG1092087
1,4-Dichlorobenzene	U		0.000244	0.00108	1	03/31/2018 19:00	WG1092087
Dichlorodifluoromethane	U		0.000768	0.00539	1	03/31/2018 19:00	WG1092087
1,1-Dichloroethane	U		0.000214	0.00108	1	03/31/2018 19:00	WG1092087
1,2-Dichloroethane	U		0.000286	0.00108	1	03/31/2018 19:00	WG1092087
1,1-Dichloroethene	U		0.000327	0.00108	1	03/31/2018 19:00	WG1092087
cis-1,2-Dichloroethene	0.00590		0.000253	0.00108	1	03/31/2018 19:00	WG1092087
trans-1,2-Dichloroethene	U		0.000284	0.00108	1	03/31/2018 19:00	WG1092087
1,2-Dichloropropane	U		0.000386	0.00108	1	03/31/2018 19:00	WG1092087
1,1-Dichloropropene	U	J0	0.000342	0.00108	1	03/31/2018 19:00	WG1092087
1,3-Dichloropropane	U		0.000223	0.00108	1	03/31/2018 19:00	WG1092087
cis-1,3-Dichloropropene	U		0.000282	0.00108	1	03/31/2018 19:00	WG1092087
trans-1,3-Dichloropropene	U		0.000288	0.00108	1	03/31/2018 19:00	WG1092087
trans-1,4-Dichloro-2-butene	U		0.000838	0.00269	1	03/31/2018 19:00	WG1092087
2,2-Dichloropropane	U	J0	0.000301	0.00108	1	03/31/2018 19:00	WG1092087
Di-isopropyl ether	U		0.000267	0.00108	1	03/31/2018 19:00	WG1092087
Ethylbenzene	U		0.000320	0.00108	1	03/31/2018 19:00	WG1092087
Hexachloro-1,3-butadiene	U	J3	0.000369	0.00108	1	03/31/2018 19:00	WG1092087
2-Hexanone	U		0.00148	0.0108	1	03/31/2018 19:00	WG1092087
n-Hexane	U	J0	0.000313	0.0108	1	03/31/2018 19:00	WG1092087
Iodomethane	U	J4	0.00273	0.0108	1	03/31/2018 19:00	WG1092087
Isopropylbenzene	U	J0	0.000262	0.00108	1	03/31/2018 19:00	WG1092087
p-Isopropyltoluene	U		0.000220	0.00108	1	03/31/2018 19:00	WG1092087
2-Butanone (MEK)	U	J0	0.00504	0.0108	1	03/31/2018 19:00	WG1092087
Methylene Chloride	U	J4	0.00108	0.00539	1	03/31/2018 19:00	WG1092087
4-Methyl-2-pentanone (MIBK)	U		0.00203	0.0108	1	03/31/2018 19:00	WG1092087

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U	J4	0.000228	0.00108	1	03/31/2018 19:00	WG1092087
Naphthalene	U		0.00108	0.00539	1	03/31/2018 19:00	WG1092087
n-Propylbenzene	U		0.000222	0.00108	1	03/31/2018 19:00	WG1092087
Styrene	U		0.000252	0.00108	1	03/31/2018 19:00	WG1092087
1,1,1,2-Tetrachloroethane	U		0.000284	0.00108	1	03/31/2018 19:00	WG1092087
1,1,2,2-Tetrachloroethane	U		0.000393	0.00108	1	03/31/2018 19:00	WG1092087
1,1,2-Trichlorotrifluoroethane	U		0.000393	0.00108	1	03/31/2018 19:00	WG1092087
Tetrachloroethene	3.14		0.00744	0.0269	25	04/03/2018 16:57	WG1092087
Toluene	U		0.000468	0.00539	1	03/31/2018 19:00	WG1092087
1,2,3-Trichlorobenzene	U		0.000330	0.00108	1	03/31/2018 19:00	WG1092087
1,2,4-Trichlorobenzene	U		0.000418	0.00108	1	03/31/2018 19:00	WG1092087
1,1,1-Trichloroethane	U		0.000308	0.00108	1	03/31/2018 19:00	WG1092087
1,1,2-Trichloroethane	U		0.000299	0.00108	1	03/31/2018 19:00	WG1092087
Trichloroethene	0.0147		0.000301	0.00108	1	03/31/2018 19:00	WG1092087
Trichlorofluoromethane	U		0.000412	0.00539	1	03/31/2018 19:00	WG1092087
1,2,3-Trichloropropane	U		0.000799	0.00269	1	03/31/2018 19:00	WG1092087
1,2,4-Trimethylbenzene	U		0.000227	0.00108	1	03/31/2018 19:00	WG1092087
1,2,3-Trimethylbenzene	U		0.000309	0.00108	1	03/31/2018 19:00	WG1092087
1,3,5-Trimethylbenzene	U		0.000287	0.00108	1	03/31/2018 19:00	WG1092087
Vinyl acetate	U		0.00258	0.0108	1	03/31/2018 19:00	WG1092087
Vinyl chloride	U		0.000314	0.00108	1	03/31/2018 19:00	WG1092087
Xylenes, Total	U		0.000752	0.00323	1	03/31/2018 19:00	WG1092087
(S) Toluene-d8	*94.3*			*80.0-120*		*03/31/2018 19:00*	WG1092087
(S) Toluene-d8	*112*			*80.0-120*		*04/03/2018 16:57*	WG1092087
(S) Dibromofluoromethane	*109*			*74.0-131*		*03/31/2018 19:00*	WG1092087
(S) Dibromofluoromethane	*101*			*74.0-131*		*04/03/2018 16:57*	WG1092087
(S) 4-Bromofluorobenzene	*93.8*			*64.0-132*		*03/31/2018 19:00*	WG1092087
(S) 4-Bromofluorobenzene	*98.9*			*64.0-132*		*04/03/2018 16:57*	WG1092087

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	91.8		1	04/02/2018 11:04	WG1092327

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U	J0 J3	0.0109	0.0544	1	03/31/2018 19:20	WG1092087
Acrylonitrile	U		0.00195	0.0109	1	03/31/2018 19:20	WG1092087
Benzene	U		0.000294	0.00109	1	03/31/2018 19:20	WG1092087
Bromobenzene	U		0.000309	0.00109	1	03/31/2018 19:20	WG1092087
Bromodichloromethane	U		0.000277	0.00109	1	03/31/2018 19:20	WG1092087
Bromochloromethane	U		0.000425	0.00544	1	03/31/2018 19:20	WG1092087
Bromoform	U		0.000462	0.00109	1	03/31/2018 19:20	WG1092087
Bromomethane	U	J4	0.00146	0.00544	1	03/31/2018 19:20	WG1092087
n-Butylbenzene	U		0.000281	0.00109	1	03/31/2018 19:20	WG1092087
sec-Butylbenzene	U		0.000219	0.00109	1	03/31/2018 19:20	WG1092087
tert-Butylbenzene	U		0.000224	0.00109	1	03/31/2018 19:20	WG1092087
Carbon disulfide	0.000309	J	0.000241	0.00109	1	03/31/2018 19:20	WG1092087
Carbon tetrachloride	U	J0	0.000357	0.00109	1	03/31/2018 19:20	WG1092087
Chlorobenzene	U		0.000231	0.00109	1	03/31/2018 19:20	WG1092087
Chlorodibromomethane	U		0.000406	0.00109	1	03/31/2018 19:20	WG1092087
Chloroethane	U		0.00103	0.00544	1	03/31/2018 19:20	WG1092087
Chloroform	U		0.000249	0.00544	1	03/31/2018 19:20	WG1092087
Chloromethane	U	J0	0.000408	0.00272	1	03/31/2018 19:20	WG1092087
2-Chlorotoluene	U		0.000328	0.00109	1	03/31/2018 19:20	WG1092087
4-Chlorotoluene	U		0.000261	0.00109	1	03/31/2018 19:20	WG1092087
1,2-Dibromo-3-Chloropropane	U		0.00114	0.00544	1	03/31/2018 19:20	WG1092087
1,2-Dibromoethane	U		0.000374	0.00109	1	03/31/2018 19:20	WG1092087
Dibromomethane	U		0.000416	0.00109	1	03/31/2018 19:20	WG1092087
1,2-Dichlorobenzene	U		0.000332	0.00109	1	03/31/2018 19:20	WG1092087
1,3-Dichlorobenzene	U		0.000260	0.00109	1	03/31/2018 19:20	WG1092087
1,4-Dichlorobenzene	U		0.000246	0.00109	1	03/31/2018 19:20	WG1092087
Dichlorodifluoromethane	U		0.000776	0.00544	1	03/31/2018 19:20	WG1092087
1,1-Dichloroethane	U		0.000217	0.00109	1	03/31/2018 19:20	WG1092087
1,2-Dichloroethane	U		0.000289	0.00109	1	03/31/2018 19:20	WG1092087
1,1-Dichloroethene	U		0.000330	0.00109	1	03/31/2018 19:20	WG1092087
cis-1,2-Dichloroethene	0.00305		0.000256	0.00109	1	03/31/2018 19:20	WG1092087
trans-1,2-Dichloroethene	U		0.000287	0.00109	1	03/31/2018 19:20	WG1092087
1,2-Dichloropropane	U		0.000390	0.00109	1	03/31/2018 19:20	WG1092087
1,1-Dichloropropene	U	J0	0.000345	0.00109	1	03/31/2018 19:20	WG1092087
1,3-Dichloropropane	U		0.000225	0.00109	1	03/31/2018 19:20	WG1092087
cis-1,3-Dichloropropene	U		0.000285	0.00109	1	03/31/2018 19:20	WG1092087
trans-1,3-Dichloropropene	U		0.000291	0.00109	1	03/31/2018 19:20	WG1092087
trans-1,4-Dichloro-2-butene	U		0.000847	0.00272	1	03/31/2018 19:20	WG1092087
2,2-Dichloropropane	U	J0	0.000304	0.00109	1	03/31/2018 19:20	WG1092087
Di-isopropyl ether	U		0.000270	0.00109	1	03/31/2018 19:20	WG1092087
Ethylbenzene	U		0.000323	0.00109	1	03/31/2018 19:20	WG1092087
Hexachloro-1,3-butadiene	U	J3	0.000372	0.00109	1	03/31/2018 19:20	WG1092087
2-Hexanone	U		0.00149	0.0109	1	03/31/2018 19:20	WG1092087
n-Hexane	U	J0	0.000316	0.0109	1	03/31/2018 19:20	WG1092087
Iodomethane	U	J4	0.00276	0.0109	1	03/31/2018 19:20	WG1092087
Isopropylbenzene	U	J0	0.000265	0.00109	1	03/31/2018 19:20	WG1092087
p-Isopropyltoluene	U		0.000222	0.00109	1	03/31/2018 19:20	WG1092087
2-Butanone (MEK)	U	J0	0.00510	0.0109	1	03/31/2018 19:20	WG1092087
Methylene Chloride	U	J4	0.00109	0.00544	1	03/31/2018 19:20	WG1092087
4-Methyl-2-pentanone (MIBK)	U		0.00205	0.0109	1	03/31/2018 19:20	WG1092087

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U	J4	0.000231	0.00109	1	03/31/2018 19:20	WG1092087
Naphthalene	U		0.00109	0.00544	1	03/31/2018 19:20	WG1092087
n-Propylbenzene	U		0.000224	0.00109	1	03/31/2018 19:20	WG1092087
Styrene	U		0.000255	0.00109	1	03/31/2018 19:20	WG1092087
1,1,1,2-Tetrachloroethane	U		0.000287	0.00109	1	03/31/2018 19:20	WG1092087
1,1,2,2-Tetrachloroethane	U		0.000397	0.00109	1	03/31/2018 19:20	WG1092087
1,1,2-Trichlorotrifluoroethane	U		0.000397	0.00109	1	03/31/2018 19:20	WG1092087
Tetrachloroethene	0.00981		0.000301	0.00109	1	04/03/2018 14:30	WG1092087
Toluene	U		0.000473	0.00544	1	03/31/2018 19:20	WG1092087
1,2,3-Trichlorobenzene	U		0.000333	0.00109	1	03/31/2018 19:20	WG1092087
1,2,4-Trichlorobenzene	U		0.000423	0.00109	1	03/31/2018 19:20	WG1092087
1,1,1-Trichloroethane	U		0.000311	0.00109	1	03/31/2018 19:20	WG1092087
1,1,2-Trichloroethane	U		0.000302	0.00109	1	03/31/2018 19:20	WG1092087
Trichloroethene	U		0.000304	0.00109	1	03/31/2018 19:20	WG1092087
Trichlorofluoromethane	U		0.000416	0.00544	1	03/31/2018 19:20	WG1092087
1,2,3-Trichloropropane	U		0.000807	0.00272	1	03/31/2018 19:20	WG1092087
1,2,4-Trimethylbenzene	U		0.000230	0.00109	1	03/31/2018 19:20	WG1092087
1,2,3-Trimethylbenzene	U		0.000313	0.00109	1	03/31/2018 19:20	WG1092087
1,3,5-Trimethylbenzene	U		0.000290	0.00109	1	03/31/2018 19:20	WG1092087
Vinyl acetate	U		0.00260	0.0109	1	03/31/2018 19:20	WG1092087
Vinyl chloride	0.000805	J	0.000317	0.00109	1	03/31/2018 19:20	WG1092087
Xylenes, Total	U		0.000760	0.00327	1	03/31/2018 19:20	WG1092087
(S) Toluene-d8	*93.3*			*80.0-120*		*03/31/2018 19:20*	WG1092087
(S) Toluene-d8	*99.3*			*80.0-120*		*04/03/2018 14:30*	WG1092087
(S) Dibromofluoromethane	*108*			*74.0-131*		*03/31/2018 19:20*	WG1092087
(S) Dibromofluoromethane	*107*			*74.0-131*		*04/03/2018 14:30*	WG1092087
(S) 4-Bromofluorobenzene	*102*			*64.0-132*		*04/03/2018 14:30*	WG1092087
(S) 4-Bromofluorobenzene	*92.7*			*64.0-132*		*03/31/2018 19:20*	WG1092087

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	91.5		1	04/02/2018 11:04	WG1092327

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U	J0 J3	0.0109	0.0546	1	03/31/2018 19:40	WG1092087
Acrylonitrile	U		0.00196	0.0109	1	03/31/2018 19:40	WG1092087
Benzene	U		0.000295	0.00109	1	03/31/2018 19:40	WG1092087
Bromobenzene	U		0.000310	0.00109	1	03/31/2018 19:40	WG1092087
Bromodichloromethane	U		0.000277	0.00109	1	03/31/2018 19:40	WG1092087
Bromochloromethane	U		0.000426	0.00546	1	03/31/2018 19:40	WG1092087
Bromoform	U		0.000463	0.00109	1	03/31/2018 19:40	WG1092087
Bromomethane	U	J4	0.00146	0.00546	1	03/31/2018 19:40	WG1092087
n-Butylbenzene	U		0.000282	0.00109	1	03/31/2018 19:40	WG1092087
sec-Butylbenzene	U		0.000220	0.00109	1	03/31/2018 19:40	WG1092087
tert-Butylbenzene	U		0.000225	0.00109	1	03/31/2018 19:40	WG1092087
Carbon disulfide	0.000784	J	0.000241	0.00109	1	03/31/2018 19:40	WG1092087
Carbon tetrachloride	U	J0	0.000358	0.00109	1	03/31/2018 19:40	WG1092087
Chlorobenzene	U		0.000232	0.00109	1	03/31/2018 19:40	WG1092087
Chlorodibromomethane	U		0.000407	0.00109	1	03/31/2018 19:40	WG1092087
Chloroethane	U		0.00103	0.00546	1	03/31/2018 19:40	WG1092087
Chloroform	U		0.000250	0.00546	1	03/31/2018 19:40	WG1092087
Chloromethane	U	J0	0.000410	0.00273	1	03/31/2018 19:40	WG1092087
2-Chlorotoluene	U		0.000329	0.00109	1	03/31/2018 19:40	WG1092087
4-Chlorotoluene	U		0.000262	0.00109	1	03/31/2018 19:40	WG1092087
1,2-Dibromo-3-Chloropropane	U		0.00115	0.00546	1	03/31/2018 19:40	WG1092087
1,2-Dibromoethane	U		0.000375	0.00109	1	03/31/2018 19:40	WG1092087
Dibromomethane	U		0.000417	0.00109	1	03/31/2018 19:40	WG1092087
1,2-Dichlorobenzene	U		0.000333	0.00109	1	03/31/2018 19:40	WG1092087
1,3-Dichlorobenzene	U		0.000261	0.00109	1	03/31/2018 19:40	WG1092087
1,4-Dichlorobenzene	U		0.000247	0.00109	1	03/31/2018 19:40	WG1092087
Dichlorodifluoromethane	U		0.000779	0.00546	1	03/31/2018 19:40	WG1092087
1,1-Dichloroethane	U		0.000217	0.00109	1	03/31/2018 19:40	WG1092087
1,2-Dichloroethane	U		0.000290	0.00109	1	03/31/2018 19:40	WG1092087
1,1-Dichloroethene	0.00272		0.000331	0.00109	1	03/31/2018 19:40	WG1092087
cis-1,2-Dichloroethene	2.17		0.0257	0.109	100	04/03/2018 17:17	WG1092087
trans-1,2-Dichloroethene	0.000872	J	0.000288	0.00109	1	03/31/2018 19:40	WG1092087
1,2-Dichloropropane	U		0.000391	0.00109	1	03/31/2018 19:40	WG1092087
1,1-Dichloropropene	U	J0	0.000346	0.00109	1	03/31/2018 19:40	WG1092087
1,3-Dichloropropane	U		0.000226	0.00109	1	03/31/2018 19:40	WG1092087
cis-1,3-Dichloropropene	U		0.000286	0.00109	1	03/31/2018 19:40	WG1092087
trans-1,3-Dichloropropene	U		0.000292	0.00109	1	03/31/2018 19:40	WG1092087
trans-1,4-Dichloro-2-butene	U		0.000850	0.00273	1	03/31/2018 19:40	WG1092087
2,2-Dichloropropane	U	J0	0.000305	0.00109	1	03/31/2018 19:40	WG1092087
Di-isopropyl ether	U		0.000271	0.00109	1	03/31/2018 19:40	WG1092087
Ethylbenzene	U		0.000324	0.00109	1	03/31/2018 19:40	WG1092087
Hexachloro-1,3-butadiene	U	J3	0.000374	0.00109	1	03/31/2018 19:40	WG1092087
2-Hexanone	U		0.00150	0.0109	1	03/31/2018 19:40	WG1092087
n-Hexane	U	J0	0.000317	0.0109	1	03/31/2018 19:40	WG1092087
Iodomethane	U	J4	0.00276	0.0109	1	03/31/2018 19:40	WG1092087
Isopropylbenzene	U	J0	0.000265	0.00109	1	03/31/2018 19:40	WG1092087
p-Isopropyltoluene	U		0.000223	0.00109	1	03/31/2018 19:40	WG1092087
2-Butanone (MEK)	U	J0	0.00511	0.0109	1	03/31/2018 19:40	WG1092087
Methylene Chloride	U	J4	0.00109	0.00546	1	03/31/2018 19:40	WG1092087
4-Methyl-2-pentanone (MIBK)	U		0.00205	0.0109	1	03/31/2018 19:40	WG1092087

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U	J4	0.000232	0.00109	1	03/31/2018 19:40	WG1092087
Naphthalene	U		0.00109	0.00546	1	03/31/2018 19:40	WG1092087
n-Propylbenzene	U		0.000225	0.00109	1	03/31/2018 19:40	WG1092087
Styrene	U		0.000256	0.00109	1	03/31/2018 19:40	WG1092087
1,1,1,2-Tetrachloroethane	U		0.000288	0.00109	1	03/31/2018 19:40	WG1092087
1,1,2,2-Tetrachloroethane	U		0.000399	0.00109	1	03/31/2018 19:40	WG1092087
1,1,2-Trichlorotrifluoroethane	U		0.000399	0.00109	1	03/31/2018 19:40	WG1092087
Tetrachloroethene	0.101		0.000302	0.00109	1	03/31/2018 19:40	WG1092087
Toluene	U		0.000474	0.00546	1	03/31/2018 19:40	WG1092087
1,2,3-Trichlorobenzene	U		0.000334	0.00109	1	03/31/2018 19:40	WG1092087
1,2,4-Trichlorobenzene	U		0.000424	0.00109	1	03/31/2018 19:40	WG1092087
1,1,1-Trichloroethane	U		0.000312	0.00109	1	03/31/2018 19:40	WG1092087
1,1,2-Trichloroethane	U		0.000303	0.00109	1	03/31/2018 19:40	WG1092087
Trichloroethene	0.00781		0.000305	0.00109	1	03/31/2018 19:40	WG1092087
Trichlorofluoromethane	U		0.000417	0.00546	1	03/31/2018 19:40	WG1092087
1,2,3-Trichloropropane	U		0.000810	0.00273	1	03/31/2018 19:40	WG1092087
1,2,4-Trimethylbenzene	U		0.000231	0.00109	1	03/31/2018 19:40	WG1092087
1,2,3-Trimethylbenzene	U		0.000314	0.00109	1	03/31/2018 19:40	WG1092087
1,3,5-Trimethylbenzene	U		0.000291	0.00109	1	03/31/2018 19:40	WG1092087
Vinyl acetate	U		0.00261	0.0109	1	03/31/2018 19:40	WG1092087
Vinyl chloride	0.0155		0.000318	0.00109	1	03/31/2018 19:40	WG1092087
Xylenes, Total	U		0.000763	0.00328	1	03/31/2018 19:40	WG1092087
(S) Toluene-d8	*110*			*80.0-120*		*04/03/2018 17:17*	WG1092087
(S) Toluene-d8	*95.4*			*80.0-120*		*03/31/2018 19:40*	WG1092087
(S) Dibromofluoromethane	*102*			*74.0-131*		*04/03/2018 17:17*	WG1092087
(S) Dibromofluoromethane	*111*			*74.0-131*		*03/31/2018 19:40*	WG1092087
(S) 4-Bromofluorobenzene	*101*			*64.0-132*		*04/03/2018 17:17*	WG1092087
(S) 4-Bromofluorobenzene	*97.2*			*64.0-132*		*03/31/2018 19:40*	WG1092087

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	89.8		1	04/02/2018 11:04	WG1092327

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U	J0 J3	0.0111	0.0557	1	03/31/2018 19:59	WG1092087
Acrylonitrile	U		0.00199	0.0111	1	03/31/2018 19:59	WG1092087
Benzene	U		0.000301	0.00111	1	03/31/2018 19:59	WG1092087
Bromobenzene	U		0.000316	0.00111	1	03/31/2018 19:59	WG1092087
Bromodichloromethane	U		0.000283	0.00111	1	03/31/2018 19:59	WG1092087
Bromochloromethane	U		0.000434	0.00557	1	03/31/2018 19:59	WG1092087
Bromoform	U		0.000472	0.00111	1	03/31/2018 19:59	WG1092087
Bromomethane	U	J4	0.00149	0.00557	1	03/31/2018 19:59	WG1092087
n-Butylbenzene	U		0.000287	0.00111	1	03/31/2018 19:59	WG1092087
sec-Butylbenzene	U		0.000224	0.00111	1	03/31/2018 19:59	WG1092087
tert-Butylbenzene	U		0.000229	0.00111	1	03/31/2018 19:59	WG1092087
Carbon disulfide	0.00131		0.000246	0.00111	1	03/31/2018 19:59	WG1092087
Carbon tetrachloride	U	J0	0.000365	0.00111	1	03/31/2018 19:59	WG1092087
Chlorobenzene	U		0.000236	0.00111	1	03/31/2018 19:59	WG1092087
Chlorodibromomethane	U		0.000415	0.00111	1	03/31/2018 19:59	WG1092087
Chloroethane	U		0.00105	0.00557	1	03/31/2018 19:59	WG1092087
Chloroform	U		0.000255	0.00557	1	03/31/2018 19:59	WG1092087
Chloromethane	U	J0	0.000417	0.00278	1	03/31/2018 19:59	WG1092087
2-Chlorotoluene	U		0.000335	0.00111	1	03/31/2018 19:59	WG1092087
4-Chlorotoluene	U		0.000267	0.00111	1	03/31/2018 19:59	WG1092087
1,2-Dibromo-3-Chloropropane	U		0.00117	0.00557	1	03/31/2018 19:59	WG1092087
1,2-Dibromoethane	U		0.000382	0.00111	1	03/31/2018 19:59	WG1092087
Dibromomethane	U		0.000425	0.00111	1	03/31/2018 19:59	WG1092087
1,2-Dichlorobenzene	U		0.000340	0.00111	1	03/31/2018 19:59	WG1092087
1,3-Dichlorobenzene	U		0.000266	0.00111	1	03/31/2018 19:59	WG1092087
1,4-Dichlorobenzene	U		0.000252	0.00111	1	03/31/2018 19:59	WG1092087
Dichlorodifluoromethane	U		0.000794	0.00557	1	03/31/2018 19:59	WG1092087
1,1-Dichloroethane	U		0.000222	0.00111	1	03/31/2018 19:59	WG1092087
1,2-Dichloroethane	U		0.000295	0.00111	1	03/31/2018 19:59	WG1092087
1,1-Dichloroethene	0.0108		0.000337	0.00111	1	03/31/2018 19:59	WG1092087
cis-1,2-Dichloroethene	2.37		0.0262	0.111	100	04/03/2018 17:38	WG1092087
trans-1,2-Dichloroethene	0.00244		0.000294	0.00111	1	03/31/2018 19:59	WG1092087
1,2-Dichloropropane	U		0.000399	0.00111	1	03/31/2018 19:59	WG1092087
1,1-Dichloropropene	U	J0	0.000353	0.00111	1	03/31/2018 19:59	WG1092087
1,3-Dichloropropane	U		0.000230	0.00111	1	03/31/2018 19:59	WG1092087
cis-1,3-Dichloropropene	U		0.000292	0.00111	1	03/31/2018 19:59	WG1092087
trans-1,3-Dichloropropene	U		0.000297	0.00111	1	03/31/2018 19:59	WG1092087
trans-1,4-Dichloro-2-butene	U		0.000866	0.00278	1	03/31/2018 19:59	WG1092087
2,2-Dichloropropane	U	J0	0.000311	0.00111	1	03/31/2018 19:59	WG1092087
Di-isopropyl ether	U		0.000276	0.00111	1	03/31/2018 19:59	WG1092087
Ethylbenzene	U		0.000331	0.00111	1	03/31/2018 19:59	WG1092087
Hexachloro-1,3-butadiene	U	J3	0.000381	0.00111	1	03/31/2018 19:59	WG1092087
2-Hexanone	U		0.00153	0.0111	1	03/31/2018 19:59	WG1092087
n-Hexane	U	J0	0.000323	0.0111	1	03/31/2018 19:59	WG1092087
Iodomethane	U	J4	0.00282	0.0111	1	03/31/2018 19:59	WG1092087
Isopropylbenzene	U	J0	0.000270	0.00111	1	03/31/2018 19:59	WG1092087
p-Isopropyltoluene	U		0.000227	0.00111	1	03/31/2018 19:59	WG1092087
2-Butanone (MEK)	0.0232	J0	0.00521	0.0111	1	03/31/2018 19:59	WG1092087
Methylene Chloride	U	J4	0.00111	0.00557	1	03/31/2018 19:59	WG1092087
4-Methyl-2-pentanone (MIBK)	U		0.00209	0.0111	1	03/31/2018 19:59	WG1092087

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U	J4	0.000236	0.00111	1	03/31/2018 19:59	WG1092087
Naphthalene	U		0.00111	0.00557	1	03/31/2018 19:59	WG1092087
n-Propylbenzene	U		0.000229	0.00111	1	03/31/2018 19:59	WG1092087
Styrene	U		0.000260	0.00111	1	03/31/2018 19:59	WG1092087
1,1,1,2-Tetrachloroethane	U		0.000294	0.00111	1	03/31/2018 19:59	WG1092087
1,1,2,2-Tetrachloroethane	U		0.000406	0.00111	1	03/31/2018 19:59	WG1092087
1,1,2-Trichlorotrifluoroethane	U		0.000406	0.00111	1	03/31/2018 19:59	WG1092087
Tetrachloroethene	2.97		0.0307	0.111	100	04/03/2018 17:38	WG1092087
Toluene	U		0.000483	0.00557	1	03/31/2018 19:59	WG1092087
1,2,3-Trichlorobenzene	U		0.000341	0.00111	1	03/31/2018 19:59	WG1092087
1,2,4-Trichlorobenzene	U		0.000432	0.00111	1	03/31/2018 19:59	WG1092087
1,1,1-Trichloroethane	U		0.000318	0.00111	1	03/31/2018 19:59	WG1092087
1,1,2-Trichloroethane	U		0.000308	0.00111	1	03/31/2018 19:59	WG1092087
Trichloroethene	0.0397		0.000311	0.00111	1	03/31/2018 19:59	WG1092087
Trichlorofluoromethane	U		0.000425	0.00557	1	03/31/2018 19:59	WG1092087
1,2,3-Trichloropropane	U		0.000825	0.00278	1	03/31/2018 19:59	WG1092087
1,2,4-Trimethylbenzene	U		0.000235	0.00111	1	03/31/2018 19:59	WG1092087
1,2,3-Trimethylbenzene	U		0.000319	0.00111	1	03/31/2018 19:59	WG1092087
1,3,5-Trimethylbenzene	U		0.000296	0.00111	1	03/31/2018 19:59	WG1092087
Vinyl acetate	U		0.00266	0.0111	1	03/31/2018 19:59	WG1092087
Vinyl chloride	0.0869	J	0.0324	0.111	100	04/03/2018 17:38	WG1092087
Xylenes, Total	U		0.000777	0.00334	1	03/31/2018 19:59	WG1092087
(S) Toluene-d8	*110*			*80.0-120*		*04/03/2018 17:38*	WG1092087
(S) Toluene-d8	*96.2*			*80.0-120*		*03/31/2018 19:59*	WG1092087
(S) Dibromofluoromethane	*105*			*74.0-131*		*03/31/2018 19:59*	WG1092087
(S) Dibromofluoromethane	*102*			*74.0-131*		*04/03/2018 17:38*	WG1092087
(S) 4-Bromofluorobenzene	*95.5*			*64.0-132*		*03/31/2018 19:59*	WG1092087
(S) 4-Bromofluorobenzene	*101*			*64.0-132*		*04/03/2018 17:38*	WG1092087

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	89.8		1	04/02/2018 11:04	WG1092327

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U	J0 J3	0.0111	0.0557	1	03/31/2018 20:18	WG1092087
Acrylonitrile	U		0.00199	0.0111	1	03/31/2018 20:18	WG1092087
Benzene	U		0.000301	0.00111	1	03/31/2018 20:18	WG1092087
Bromobenzene	U		0.000316	0.00111	1	03/31/2018 20:18	WG1092087
Bromodichloromethane	U		0.000283	0.00111	1	03/31/2018 20:18	WG1092087
Bromochloromethane	U		0.000434	0.00557	1	03/31/2018 20:18	WG1092087
Bromoform	U		0.000472	0.00111	1	03/31/2018 20:18	WG1092087
Bromomethane	U	J4	0.00149	0.00557	1	03/31/2018 20:18	WG1092087
n-Butylbenzene	U		0.000287	0.00111	1	03/31/2018 20:18	WG1092087
sec-Butylbenzene	U		0.000224	0.00111	1	03/31/2018 20:18	WG1092087
tert-Butylbenzene	U		0.000229	0.00111	1	03/31/2018 20:18	WG1092087
Carbon disulfide	0.000486	J	0.000246	0.00111	1	03/31/2018 20:18	WG1092087
Carbon tetrachloride	U	J0	0.000365	0.00111	1	03/31/2018 20:18	WG1092087
Chlorobenzene	U		0.000236	0.00111	1	03/31/2018 20:18	WG1092087
Chlorodibromomethane	U		0.000415	0.00111	1	03/31/2018 20:18	WG1092087
Chloroethane	U		0.00105	0.00557	1	03/31/2018 20:18	WG1092087
Chloroform	U		0.000255	0.00557	1	03/31/2018 20:18	WG1092087
Chloromethane	U	J0	0.000418	0.00278	1	03/31/2018 20:18	WG1092087
2-Chlorotoluene	U		0.000335	0.00111	1	03/31/2018 20:18	WG1092087
4-Chlorotoluene	U		0.000267	0.00111	1	03/31/2018 20:18	WG1092087
1,2-Dibromo-3-Chloropropane	U		0.00117	0.00557	1	03/31/2018 20:18	WG1092087
1,2-Dibromoethane	U		0.000382	0.00111	1	03/31/2018 20:18	WG1092087
Dibromomethane	U		0.000425	0.00111	1	03/31/2018 20:18	WG1092087
1,2-Dichlorobenzene	U		0.000340	0.00111	1	03/31/2018 20:18	WG1092087
1,3-Dichlorobenzene	U		0.000266	0.00111	1	03/31/2018 20:18	WG1092087
1,4-Dichlorobenzene	U		0.000252	0.00111	1	03/31/2018 20:18	WG1092087
Dichlorodifluoromethane	U		0.000794	0.00557	1	03/31/2018 20:18	WG1092087
1,1-Dichloroethane	U		0.000222	0.00111	1	03/31/2018 20:18	WG1092087
1,2-Dichloroethane	U		0.000295	0.00111	1	03/31/2018 20:18	WG1092087
1,1-Dichloroethene	U		0.000337	0.00111	1	03/31/2018 20:18	WG1092087
cis-1,2-Dichloroethene	0.0456		0.000262	0.00111	1	04/03/2018 15:18	WG1092087
trans-1,2-Dichloroethene	U		0.000294	0.00111	1	03/31/2018 20:18	WG1092087
1,2-Dichloropropane	U		0.000399	0.00111	1	03/31/2018 20:18	WG1092087
1,1-Dichloropropene	U	J0	0.000353	0.00111	1	03/31/2018 20:18	WG1092087
1,3-Dichloropropane	U		0.000231	0.00111	1	03/31/2018 20:18	WG1092087
cis-1,3-Dichloropropene	U		0.000292	0.00111	1	03/31/2018 20:18	WG1092087
trans-1,3-Dichloropropene	U		0.000297	0.00111	1	03/31/2018 20:18	WG1092087
trans-1,4-Dichloro-2-butene	U		0.000866	0.00278	1	03/31/2018 20:18	WG1092087
2,2-Dichloropropane	U	J0	0.000311	0.00111	1	03/31/2018 20:18	WG1092087
Di-isopropyl ether	U		0.000276	0.00111	1	03/31/2018 20:18	WG1092087
Ethylbenzene	U		0.000331	0.00111	1	03/31/2018 20:18	WG1092087
Hexachloro-1,3-butadiene	U	J3	0.000381	0.00111	1	03/31/2018 20:18	WG1092087
2-Hexanone	U		0.00153	0.0111	1	03/31/2018 20:18	WG1092087
n-Hexane	U	J0	0.000323	0.0111	1	03/31/2018 20:18	WG1092087
Iodomethane	U	J4	0.00282	0.0111	1	03/31/2018 20:18	WG1092087
Isopropylbenzene	U	J0	0.000271	0.00111	1	03/31/2018 20:18	WG1092087
p-Isopropyltoluene	U		0.000227	0.00111	1	03/31/2018 20:18	WG1092087
2-Butanone (MEK)	U	J0	0.00521	0.0111	1	03/31/2018 20:18	WG1092087
Methylene Chloride	U	J4	0.00111	0.00557	1	03/31/2018 20:18	WG1092087
4-Methyl-2-pentanone (MIBK)	U		0.00209	0.0111	1	03/31/2018 20:18	WG1092087

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U	J4	0.000236	0.00111	1	03/31/2018 20:18	WG1092087
Naphthalene	U		0.00111	0.00557	1	03/31/2018 20:18	WG1092087
n-Propylbenzene	U		0.000229	0.00111	1	03/31/2018 20:18	WG1092087
Styrene	U		0.000261	0.00111	1	03/31/2018 20:18	WG1092087
1,1,1,2-Tetrachloroethane	U		0.000294	0.00111	1	03/31/2018 20:18	WG1092087
1,1,2,2-Tetrachloroethane	U		0.000406	0.00111	1	03/31/2018 20:18	WG1092087
1,1,2-Trichlorotrifluoroethane	U		0.000406	0.00111	1	03/31/2018 20:18	WG1092087
Tetrachloroethene	0.125		0.000307	0.00111	1	04/03/2018 15:18	WG1092087
Toluene	U		0.000483	0.00557	1	03/31/2018 20:18	WG1092087
1,2,3-Trichlorobenzene	U		0.000341	0.00111	1	03/31/2018 20:18	WG1092087
1,2,4-Trichlorobenzene	U		0.000432	0.00111	1	03/31/2018 20:18	WG1092087
1,1,1-Trichloroethane	U		0.000318	0.00111	1	03/31/2018 20:18	WG1092087
1,1,2-Trichloroethane	U		0.000308	0.00111	1	03/31/2018 20:18	WG1092087
Trichloroethene	U		0.000311	0.00111	1	03/31/2018 20:18	WG1092087
Trichlorofluoromethane	U		0.000425	0.00557	1	03/31/2018 20:18	WG1092087
1,2,3-Trichloropropane	U		0.000825	0.00278	1	03/31/2018 20:18	WG1092087
1,2,4-Trimethylbenzene	U		0.000235	0.00111	1	03/31/2018 20:18	WG1092087
1,2,3-Trimethylbenzene	U		0.000320	0.00111	1	03/31/2018 20:18	WG1092087
1,3,5-Trimethylbenzene	U		0.000296	0.00111	1	03/31/2018 20:18	WG1092087
Vinyl acetate	U		0.00266	0.0111	1	03/31/2018 20:18	WG1092087
Vinyl chloride	0.0448		0.000324	0.00111	1	03/31/2018 20:18	WG1092087
Xylenes, Total	U		0.000777	0.00334	1	03/31/2018 20:18	WG1092087
(S) Toluene-d8	*99.3*			*80.0-120*		*03/31/2018 20:18*	WG1092087
(S) Toluene-d8	*100*			*80.0-120*		*04/03/2018 15:18*	WG1092087
(S) Dibromofluoromethane	*109*			*74.0-131*		*03/31/2018 20:18*	WG1092087
(S) Dibromofluoromethane	*111*			*74.0-131*		*04/03/2018 15:18*	WG1092087
(S) 4-Bromofluorobenzene	*103*			*64.0-132*		*04/03/2018 15:18*	WG1092087
(S) 4-Bromofluorobenzene	*94.3*			*64.0-132*		*03/31/2018 20:18*	WG1092087

WG1092327

Total Solids by Method 2540 G-2011

Method Blank (MB)

(MB) R3298527-1 04/02/18 11:04

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.00100			

L980958-01 Original Sample (OS) • Duplicate (DUP)

(OS) L980958-01 04/02/18 11:04 • (DUP) R3298527-3 04/02/18 11:04

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	90.9	90.6	1	0.415		5

Laboratory Control Sample (LCS)

(LCS) R3298527-2 04/02/18 11:04

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	85.0-115	

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Method Blank (MB)

(MB) R3298629-3 03/31/18 14:15

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acetone	U		0.0100	0.0500
Acrylonitrile	U		0.00179	0.0100
Benzene	U		0.000270	0.00100
Bromobenzene	U		0.000284	0.00100
Bromodichloromethane	U		0.000254	0.00100
Bromochloromethane	U		0.000390	0.00500
Bromoform	U		0.000424	0.00100
Bromomethane	U		0.00134	0.00500
n-Butylbenzene	U		0.000258	0.00100
sec-Butylbenzene	U		0.000201	0.00100
tert-Butylbenzene	U		0.000206	0.00100
Carbon disulfide	U		0.000221	0.00100
Carbon tetrachloride	U		0.000328	0.00100
Chlorobenzene	U		0.000212	0.00100
Chlorodibromomethane	U		0.000373	0.00100
Chloroethane	U		0.000946	0.00500
Chloroform	U		0.000229	0.00500
Chloromethane	U		0.000375	0.00250
2-Chlorotoluene	U		0.000301	0.00100
4-Chlorotoluene	U		0.000240	0.00100
1,2-Dibromo-3-Chloropropane	U		0.00105	0.00500
1,2-Dibromoethane	U		0.000343	0.00100
Dibromomethane	U		0.000382	0.00100
1,2-Dichlorobenzene	U		0.000305	0.00100
1,3-Dichlorobenzene	U		0.000239	0.00100
1,4-Dichlorobenzene	U		0.000226	0.00100
trans-1,4-Dichloro-2-butene	U		0.000778	0.00250
Dichlorodifluoromethane	U		0.000713	0.00500
1,1-Dichloroethane	U		0.000199	0.00100
1,2-Dichloroethane	U		0.000265	0.00100
1,1-Dichloroethene	U		0.000303	0.00100
cis-1,2-Dichloroethene	U		0.000235	0.00100
trans-1,2-Dichloroethene	U		0.000264	0.00100
1,2-Dichloropropane	U		0.000358	0.00100
1,1-Dichloropropene	U		0.000317	0.00100
1,3-Dichloropropane	U		0.000207	0.00100
cis-1,3-Dichloropropene	U		0.000262	0.00100
trans-1,3-Dichloropropene	U		0.000267	0.00100
2,2-Dichloropropane	U		0.000279	0.00100
Di-isopropyl ether	U		0.000248	0.00100

Method Blank (MB)

(MB) R3298629-3 03/31/18 14:15

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Ethylbenzene	U		0.000297	0.00100
Hexachloro-1,3-butadiene	U		0.000342	0.00100
2-Hexanone	U		0.00137	0.0100
n-Hexane	U		0.000290	0.0100
Iodomethane	U		0.00253	0.0100
Isopropylbenzene	U		0.000243	0.00100
p-Isopropyltoluene	U		0.000204	0.00100
2-Butanone (MEK)	U		0.00468	0.0100
Methylene Chloride	U		0.00100	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.00188	0.0100
Methyl tert-butyl ether	U		0.000212	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.000206	0.00100
Styrene	U		0.000234	0.00100
1,1,1,2-Tetrachloroethane	U		0.000264	0.00100
1,1,2,2-Tetrachloroethane	U		0.000365	0.00100
Tetrachloroethene	U		0.000276	0.00100
Toluene	U		0.000434	0.00500
1,1,2-Trichlorotrifluoroethane	U		0.000365	0.00100
1,2,3-Trichlorobenzene	U		0.000306	0.00100
1,2,4-Trichlorobenzene	U		0.000388	0.00100
1,1,1-Trichloroethane	U		0.000286	0.00100
1,1,2-Trichloroethane	U		0.000277	0.00100
Trichloroethene	U		0.000279	0.00100
Trichlorofluoromethane	U		0.000382	0.00500
1,2,3-Trichloropropane	U		0.000741	0.00250
1,2,3-Trimethylbenzene	U		0.000287	0.00100
1,2,4-Trimethylbenzene	U		0.000211	0.00100
1,3,5-Trimethylbenzene	U		0.000266	0.00100
Vinyl acetate	U		0.00239	0.0100
Vinyl chloride	U		0.000291	0.00100
Xylenes, Total	U		0.000698	0.00300
(S) Toluene-d8	*102*			*80.0-120*
(S) Dibromofluoromethane	*102*			*74.0-131*
(S) 4-Bromofluorobenzene	*92.7*			*64.0-132*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3298629-1 03/31/18 12:37 • (LCSD) R3298629-2 03/31/18 12:57

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.125	0.0980	0.0665	78.4	53.2	11.0-160		J3	38.4	23
Acrylonitrile	0.125	0.120	0.107	95.8	85.4	61.0-143			11.4	20
Benzene	0.0250	0.0241	0.0241	96.3	96.4	71.0-124			0.0558	20
Bromobenzene	0.0250	0.0252	0.0260	101	104	78.0-120			2.85	20
Bromodichloromethane	0.0250	0.0259	0.0257	104	103	75.0-120			0.674	20
Bromochloromethane	0.0250	0.0284	0.0271	114	108	80.0-121			4.70	20
Bromoform	0.0250	0.0276	0.0283	110	113	65.0-133			2.70	20
Bromomethane	0.0250	0.0416	0.0351	167	140	26.0-160	J4		17.1	20
n-Butylbenzene	0.0250	0.0237	0.0220	94.7	88.0	73.0-126			7.25	20
sec-Butylbenzene	0.0250	0.0242	0.0237	97.0	95.0	75.0-121			2.10	20
tert-Butylbenzene	0.0250	0.0236	0.0234	94.4	93.8	74.0-122			0.679	20
Carbon disulfide	0.0250	0.0297	0.0294	119	118	53.0-130			1.16	20
Carbon tetrachloride	0.0250	0.0222	0.0214	88.6	85.7	66.0-123			3.39	20
Chlorobenzene	0.0250	0.0259	0.0255	104	102	79.0-121			1.47	20
Chlorodibromomethane	0.0250	0.0269	0.0265	107	106	74.0-128			1.51	20
Chloroethane	0.0250	0.0341	0.0317	136	127	51.0-147			7.18	20
Chloroform	0.0250	0.0261	0.0260	105	104	73.0-123			0.659	20
Chloromethane	0.0250	0.0222	0.0212	88.6	84.6	51.0-138			4.60	20
2-Chlorotoluene	0.0250	0.0257	0.0263	103	105	72.0-124			2.33	20
4-Chlorotoluene	0.0250	0.0256	0.0263	102	105	78.0-120			2.60	20
1,2-Dibromo-3-Chloropropane	0.0250	0.0241	0.0232	96.5	92.9	65.0-126			3.86	20
1,2-Dibromoethane	0.0250	0.0284	0.0274	114	110	78.0-122			3.47	20
Dibromomethane	0.0250	0.0267	0.0257	107	103	79.0-120			3.78	20
1,2-Dichlorobenzene	0.0250	0.0280	0.0276	112	110	80.0-120			1.40	20
1,3-Dichlorobenzene	0.0250	0.0265	0.0270	106	108	72.0-123			1.89	20
1,4-Dichlorobenzene	0.0250	0.0271	0.0273	109	109	77.0-120			0.533	20
trans-1,4-Dichloro-2-butene	0.0250	0.0244	0.0233	97.7	93.2	68.0-126			4.68	20
Dichlorodifluoromethane	0.0250	0.0290	0.0279	116	112	49.0-155			3.72	20
1,1-Dichloroethane	0.0250	0.0228	0.0226	91.3	90.4	70.0-128			1.00	20
1,2-Dichloroethane	0.0250	0.0251	0.0250	101	100	69.0-128			0.594	20
1,1-Dichloroethene	0.0250	0.0295	0.0292	118	117	63.0-131			0.889	20
cis-1,2-Dichloroethene	0.0250	0.0251	0.0250	100	99.8	74.0-123			0.619	20
trans-1,2-Dichloroethene	0.0250	0.0272	0.0263	109	105	72.0-122			3.34	20
1,2-Dichloropropane	0.0250	0.0239	0.0232	95.5	92.8	75.0-126			2.79	20
1,1-Dichloropropene	0.0250	0.0236	0.0234	94.3	93.5	72.0-130			0.912	20
1,3-Dichloropropane	0.0250	0.0269	0.0272	108	109	80.0-121			0.984	20
cis-1,3-Dichloropropene	0.0250	0.0267	0.0269	107	107	80.0-125			0.659	20
trans-1,3-Dichloropropene	0.0250	0.0270	0.0272	108	109	75.0-129			0.796	20
2,2-Dichloropropane	0.0250	0.0226	0.0226	90.6	90.5	60.0-129			0.118	20
Di-isopropyl ether	0.0250	0.0232	0.0226	92.8	90.4	62.0-133			2.53	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3298629-1 03/31/18 12:37 • (LCSD) R3298629-2 03/31/18 12:57

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Ethylbenzene	0.0250	0.0251	0.0248	100	99.1	77.0-120			1.36	20
Hexachloro-1,3-butadiene	0.0250	0.0292	0.0214	117	85.7	68.0-128		J3	30.7	20
2-Hexanone	0.125	0.120	0.106	95.9	84.7	61.0-143			12.5	20
n-Hexane	0.0250	0.0220	0.0216	87.9	86.6	57.0-125			1.54	20
Iodomethane	0.125	0.167	0.165	133	132	67.0-132	J4		1.23	20
Isopropylbenzene	0.0250	0.0230	0.0240	92.1	96.0	75.0-120			4.12	20
p-Isopropyltoluene	0.0250	0.0246	0.0236	98.4	94.5	74.0-125			4.06	20
2-Butanone (MEK)	0.125	0.0899	0.0778	71.9	62.3	37.0-159			14.4	20
Methylene Chloride	0.0250	0.0317	0.0310	127	124	67.0-123	J4	J4	2.04	20
4-Methyl-2-pentanone (MIBK)	0.125	0.111	0.0973	89.1	77.8	60.0-144			13.6	20
Methyl tert-butyl ether	0.0250	0.0316	0.0292	127	117	66.0-125	J4		7.90	20
Naphthalene	0.0250	0.0301	0.0268	120	107	64.0-125			11.4	20
n-Propylbenzene	0.0250	0.0237	0.0243	94.7	97.4	78.0-120			2.78	20
Styrene	0.0250	0.0239	0.0258	95.7	103	78.0-124			7.39	20
1,1,1,2-Tetrachloroethane	0.0250	0.0247	0.0242	98.9	96.8	74.0-124			2.13	20
1,1,2,2-Tetrachloroethane	0.0250	0.0271	0.0267	109	107	73.0-120			1.70	20
Tetrachloroethene	0.0250	0.0251	0.0257	101	103	70.0-127			2.22	20
Toluene	0.0250	0.0241	0.0244	96.2	97.5	77.0-120			1.26	20
1,1,2-Trichlorotrifluoroethane	0.0250	0.0333	0.0319	133	128	64.0-135			4.37	20
1,2,3-Trichlorobenzene	0.0250	0.0302	0.0252	121	101	68.0-126			17.9	20
1,2,4-Trichlorobenzene	0.0250	0.0289	0.0249	116	99.5	70.0-127			14.9	20
1,1,1-Trichloroethane	0.0250	0.0241	0.0238	96.5	95.3	69.0-125			1.22	20
1,1,2-Trichloroethane	0.0250	0.0282	0.0270	113	108	78.0-120			4.53	20
Trichloroethene	0.0250	0.0272	0.0261	109	105	79.0-120			3.88	20
Trichlorofluoromethane	0.0250	0.0330	0.0315	132	126	59.0-136			4.77	20
1,2,3-Trichloropropane	0.0250	0.0277	0.0259	111	103	73.0-124			6.85	20
1,2,3-Trimethylbenzene	0.0250	0.0281	0.0278	112	111	76.0-120			1.21	20
1,2,4-Trimethylbenzene	0.0250	0.0251	0.0255	100	102	75.0-120			1.69	20
1,3,5-Trimethylbenzene	0.0250	0.0251	0.0252	100	101	75.0-120			0.186	20
Vinyl acetate	0.125	0.121	0.117	97.2	93.7	58.0-156			3.65	20
Vinyl chloride	0.0250	0.0281	0.0272	112	109	63.0-134			3.21	20
Xylenes, Total	0.0750	0.0760	0.0746	101	99.5	77.0-120			1.86	20
(S) Toluene-d8				*101*	*106*	*80.0-120*				
(S) Dibromofluoromethane				*97.2*	*95.6*	*74.0-131*				
(S) 4-Bromofluorobenzene				*91.0*	*96.4*	*64.0-132*				

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

L981416-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L981416-02 03/31/18 22:55 • (MS) R3298629-4 03/31/18 23:14 • (MSD) R3298629-5 03/31/18 23:34

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acetone	0.125	U	12.1	19.0	38.8	60.7	250	10.0-160	J0 J3	J0 J3	43.9	36
Acrylonitrile	0.125	U	25.8	31.2	82.5	99.9	250	14.0-160			19.0	33
Benzene	0.0250	U	5.41	5.32	86.5	85.1	250	13.0-146			1.75	27
Bromobenzene	0.0250	U	6.22	5.97	99.5	95.6	250	10.0-149			4.02	33
Bromodichloromethane	0.0250	U	5.95	5.92	95.1	94.7	250	15.0-142			0.476	28
Bromochloromethane	0.0250	U	6.15	5.92	98.5	94.7	250	24.0-146			3.92	27
Bromoform	0.0250	U	6.54	6.04	105	96.7	250	10.0-147			7.96	31
Bromomethane	0.0250	U	8.59	8.72	137	140	250	10.0-160			1.56	32
n-Butylbenzene	0.0250	2.10	6.19	7.02	65.4	78.7	250	10.0-154			12.6	37
sec-Butylbenzene	0.0250	0.894	5.70	6.05	76.9	82.6	250	10.0-151			6.03	36
tert-Butylbenzene	0.0250	U	4.93	5.10	78.8	81.7	250	10.0-152			3.57	35
Carbon disulfide	0.0250	U	7.14	6.48	114	104	250	10.0-141			9.71	30
Carbon tetrachloride	0.0250	U	4.84	4.72	77.4	75.5	250	13.0-140	J0	J0	2.50	30
Chlorobenzene	0.0250	U	5.17	5.00	82.7	79.9	250	10.0-149			3.46	31
Chlorodibromomethane	0.0250	U	5.64	5.45	90.3	87.1	250	12.0-147			3.58	29
Chloroethane	0.0250	U	8.13	8.03	130	128	250	10.0-159			1.20	33
Chloroform	0.0250	U	5.93	5.84	94.9	93.4	250	18.0-148			1.63	28
Chloromethane	0.0250	U	5.18	5.48	82.9	87.6	250	10.0-146	J0	J0	5.56	29
2-Chlorotoluene	0.0250	U	5.62	5.58	90.0	89.2	250	10.0-151			0.871	35
4-Chlorotoluene	0.0250	U	5.81	5.56	93.0	89.0	250	10.0-150			4.41	35
1,2-Dibromo-3-Chloropropane	0.0250	U	5.78	5.52	92.5	88.4	250	10.0-149			4.54	34
1,2-Dibromoethane	0.0250	U	5.64	5.48	90.2	87.6	250	14.0-145			2.94	28
Dibromomethane	0.0250	U	5.96	5.82	95.3	93.1	250	18.0-144			2.32	27
1,2-Dichlorobenzene	0.0250	U	6.07	5.87	97.1	93.9	250	10.0-153			3.37	34
1,3-Dichlorobenzene	0.0250	U	5.65	5.42	90.4	86.7	250	10.0-150			4.15	35
1,4-Dichlorobenzene	0.0250	U	5.71	5.68	91.4	90.9	250	10.0-148			0.585	34
trans-1,4-Dichloro-2-butene	0.0250	U	6.49	5.88	104	94.1	250	10.0-160			9.96	40
Dichlorodifluoromethane	0.0250	U	5.77	5.91	92.4	94.6	250	10.0-160			2.39	30
1,1-Dichloroethane	0.0250	U	4.98	5.72	79.6	91.6	250	19.0-148			14.0	28
1,2-Dichloroethane	0.0250	U	5.47	5.45	87.6	87.2	250	17.0-147			0.435	27
1,1-Dichloroethene	0.0250	U	6.94	6.37	111	102	250	10.0-150			8.60	31
cis-1,2-Dichloroethene	0.0250	U	5.63	5.43	90.1	87.0	250	16.0-145			3.57	28
trans-1,2-Dichloroethene	0.0250	U	5.56	5.96	89.0	95.4	250	11.0-142			7.03	29
1,2-Dichloropropane	0.0250	U	5.25	5.24	84.0	83.8	250	17.0-148			0.249	28
1,1-Dichloropropene	0.0250	U	5.36	5.25	85.8	84.0	250	10.0-150	J0	J0	2.02	30
1,3-Dichloropropane	0.0250	U	5.64	5.67	90.3	90.8	250	16.0-148			0.520	27
cis-1,3-Dichloropropene	0.0250	U	5.30	5.35	84.7	85.7	250	13.0-150			1.09	28
trans-1,3-Dichloropropene	0.0250	U	5.28	5.25	84.5	84.0	250	10.0-152			0.510	29
2,2-Dichloropropane	0.0250	U	4.79	4.74	76.7	75.8	250	16.0-143	J0	J0	1.22	30
Di-isopropyl ether	0.0250	U	5.01	6.13	80.1	98.1	250	16.0-149			20.2	28

L981416-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L981416-02 03/31/18 22:55 • (MS) R3298629-4 03/31/18 23:14 • (MSD) R3298629-5 03/31/18 23:34

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Ethylbenzene	0.0250	5.59	10.6	10.3	80.9	75.9	250	10.0-147			2.97	31
Hexachloro-1,3-butadiene	0.0250	U	4.92	5.96	78.8	95.4	250	10.0-154			19.1	40
2-Hexanone	0.125	U	23.7	24.5	75.7	78.5	250	12.0-158			3.53	30
n-Hexane	0.0250	1.18	5.66	6.84	71.6	90.5	250	10.0-140	J0	J0	18.9	34
Iodomethane	0.125	U	36.2	34.7	116	111	250	10.0-157			4.43	34
Isopropylbenzene	0.0250	1.21	6.33	6.20	81.9	79.9	250	10.0-147	J0	J0	2.00	33
p-Isopropyltoluene	0.0250	0.315	4.92	5.31	73.7	80.0	250	10.0-156			7.67	37
2-Butanone (MEK)	0.125	U	19.4	21.4	62.1	68.6	250	10.0-160	J0	J0	9.98	33
Methylene Chloride	0.0250	U	6.20	7.02	99.2	112	250	16.0-139			12.4	29
4-Methyl-2-pentanone (MIBK)	0.125	U	24.3	26.1	77.6	83.5	250	12.0-160			7.29	32
Methyl tert-butyl ether	0.0250	U	5.85	7.21	93.6	115	250	21.0-145			20.9	29
Naphthalene	0.0250	1.70	7.78	7.69	97.4	95.9	250	10.0-153			1.21	36
n-Propylbenzene	0.0250	3.93	8.69	8.64	76.2	75.3	250	10.0-151			0.644	34
Styrene	0.0250	U	5.98	5.60	95.6	89.6	250	10.0-155			6.49	34
1,1,1,2-Tetrachloroethane	0.0250	U	4.99	4.81	79.8	77.0	250	10.0-147			3.64	30
1,1,2,2-Tetrachloroethane	0.0250	U	6.14	5.42	98.3	86.8	250	10.0-155			12.4	31
Tetrachloroethene	0.0250	U	4.92	4.78	78.8	76.4	250	10.0-144			3.02	32
Toluene	0.0250	U	4.92	4.97	78.8	79.5	250	10.0-144			0.932	28
1,1,2-Trichlorotrifluoroethane	0.0250	U	7.39	6.73	118	108	250	10.0-153			9.24	33
1,2,3-Trichlorobenzene	0.0250	U	5.83	6.18	93.2	98.9	250	10.0-153			5.93	40
1,2,4-Trichlorobenzene	0.0250	U	5.63	5.90	90.0	94.5	250	10.0-156			4.81	40
1,1,1-Trichloroethane	0.0250	U	5.29	5.22	84.6	83.5	250	18.0-145			1.36	29
1,1,2-Trichloroethane	0.0250	U	5.86	5.92	93.7	94.8	250	12.0-151			1.15	28
Trichloroethene	0.0250	U	5.93	5.74	94.9	91.8	250	11.0-148			3.31	29
Trichlorofluoromethane	0.0250	U	8.26	8.13	132	130	250	10.0-157			1.49	34
1,2,3-Trichloropropane	0.0250	U	6.20	5.73	99.2	91.7	250	10.0-154			7.87	32
1,2,3-Trimethylbenzene	0.0250	4.28	10.1	10.6	92.8	101	250	10.0-150			4.87	33
1,2,4-Trimethylbenzene	0.0250	7.04	11.7	11.7	73.8	75.0	250	10.0-151			0.629	34
1,3,5-Trimethylbenzene	0.0250	0.701	5.99	5.90	84.6	83.2	250	10.0-150			1.44	33
Vinyl acetate	0.125	U	20.4	23.8	65.1	76.0	250	10.0-160			15.4	40
Vinyl chloride	0.0250	U	7.01	7.06	112	113	250	10.0-150			0.645	29
Xylenes, Total	0.0750	1.85	17.3	17.3	82.2	82.2	250	10.0-150			0.000	31
(S) Toluene-d8					*99.6*	*97.5*		*80.0-120*				
(S) Dibromofluoromethane					*102*	*99.1*		*74.0-131*				
(S) 4-Bromofluorobenzene					*100*	*95.5*		*64.0-132*				

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Abbreviations and Definitions

(dry)	Results are reported based on the dry weight of the sample. [this will only be present on a dry report basis for soils].
MDL	Method Detection Limit.
MDL (dry)	Method Detection Limit.
RDL	Reported Detection Limit.
RDL (dry)	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
J	The identification of the analyte is acceptable; the reported value is an estimate.
J0	J0: Calibration verification outside of acceptance limits. Result is estimated.
J3	The associated batch QC was outside the established quality control range for precision.
J4	The associated batch QC was outside the established quality control range for accuracy.

ACCREDITATIONS & LOCATIONS

ESC Lab Sciences is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our one location design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be YOUR LAB OF CHOICE.

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by ESC Lab Sciences.

State Accreditations

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN-03-2002-34
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	n/a
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO00356
Kentucky [1,6]	90010	South Carolina	84004
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1,4]	2006
Louisiana [1]	LA180010	Texas	T 104704245-17-14
Maine	TN0002	Texas [5]	LAB0152
Maryland	324	Utah	TN00003
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	460132
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	9980939910
Montana	CERT0086	Wyoming	A2LA

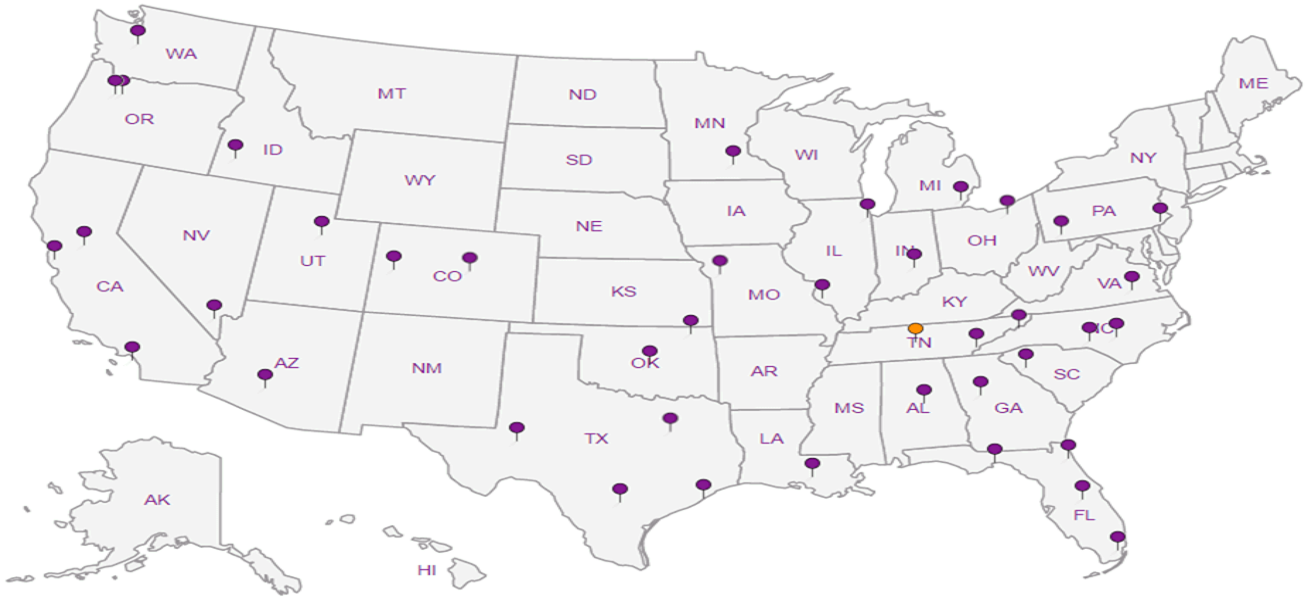
Third Party Federal Accreditations

A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

Our Locations

ESC Lab Sciences has sixty-four client support centers that provide sample pickup and/or the delivery of sampling supplies. If you would like assistance from one of our support offices, please contact our main office. ESC Lab Sciences performs all testing at our central laboratory.



PES Environmental, Inc.- WA

1215 Fourth Ave., Suite 1350
Seattle, WA 98161

Billing Information:
Attn: Accounts Payable
1215 Fourth Ave., Ste. 1350
Seattle, WA 98161

Pres Chk

Report to: Brian O'Neal

Email To: boneal@pesenv.com

Project Description: American Linen Supply Project

City/State Collected: Seattle WA

Phone: 206-529-3980
Fax: 206-529-3985

Client Project # 1413.001.05.304

Lab Project # PESENVSWA-ALP

Collected by (print): Dan Johnson

Site/Facility ID #

P.O. #

Collected by (signature): Dan Johnson

Quote #

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Date Results Needed

Immediately Packed on Ice N X Y ___

Chain of Custody Page ___ of ___

ESC LAB SCIENCES

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# 980958

E011

Acctnum: **PESENVSWA**
Template: **T133573**
Prelogin: **P644382**
TSR: **110 - Brian Ford**
PB:
Shipped Via:

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260C VOCs 40ml/NaHS04/Syr/MeOH	dry wt,voc screen 2ozClr-NoPres	Remarks	Sample # (lab only)
IW-51A-5	Grab	SS	5'	3-26-18	0909	5	X	X		01
IW-51A-10		SS	10'		0918	5	X	X		02
IW-51A-15		SS	15'		0926	5	X	X		03
IW-51A-20		SS	20'		0935	5	X	X		04
IW-51A-25		SS	25'		0945	5	X	X		05
IW-51A-30		SS	30'		0957	5	X	X		06
IW-51A-35		SS	35'		1011	5	X	X		07
IW-51A-40		SS	40'		1032	5	X	X		08
IW-51A-42		SS	42'		1041	5	X	X		09
IW-51A-45		SS	45'		1109	5	X	X		10

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other ________

Remarks:

pH ______ Temp ______

Flow ______ Other ______

Samples returned via:
___ UPS ___ FedEx ___ Courier ___ ______

Tracking # 4496 3259 2164

Sample Receipt Checklist
COC Seal Present/Intact: ___ NP ___ Y ___ N
COC Signed/Accurate: ✓ Y ___ N
Bottles arrive intact: ✓ Y ___ N
Correct bottles used: ✓ Y ___ N
Sufficient volume sent: ✓ Y ___ N
If Applicable
VOA Zero Headspace: ___ Y ___ N
Preservation Correct/Checked: ___ Y ___ N

Relinquished by : (Signature) R.T. McLaughlin	Date: 3-27-18	Time: 1630	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 0-8 10 °C Bottles Received: 50
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature) 860	Date: 3/28/18 Time: 846

If preservation required by Login: Date/Time

Hold:

Condition: NCF / [✓ OK]

MEMORANDUM

TO: Project File **DATE:** April 19, 2018

FROM: Jessie Compeau

SUBJECT: Laboratory Data Validation Review

PROJECT: Former American Linen Supply Site, Seattle WA

PROJECT #: 1413.001.05.304

TASK: March 26, 2018 – Soil Samples

LAB: ESC Lab ID L980958

Ten (10) soil samples were collected as part of a sampling event at the Former American Linen Supply Site, in Seattle, Washington, on March 26, 2018. The samples were shipped and delivered to ESC Lab Sciences (ESC) of Mount Juliet, TN for laboratory analysis. Selected samples were analyzed for the following:

- Volatile organic compounds (VOCs) by United States Environmental Protection Agency (USEPA) Method 8260C; and
- Total Solids by Standard Methods 2540 G-2011.

The results are reported in ESC Sample Delivery Group (SDG) L980958. The sampling event occurred between March 2 and March 27 of 2018. Associated sample data are reported in ten ESC SDGs (SDGs L975879, L977245, L977743, L979219, L979234, L980300, L980719, L980722, L980954, and L980958). The quality assurance review of the sample data associated with SDG L980958 is summarized below.

DATA QUALIFICATIONS

Guidelines established by USEPA for a limited data validation review of analytical data along with ESC control limit criteria were used to validate the data. The comments presented in this memorandum refer to the laboratory's performance in meeting the quality control criteria outlined in the USEPA Contract Laboratory Program National Functional Guidelines for Organic Superfund Methods Data Review (USEPA, 2017).

DATA VALIDATION

Completeness

All samples were collected and analyzed as requested.

Sample Collection and Preservation

Samples were collected in laboratory-supplied sample containers preserved as appropriate for the individual analyses conducted. The samples were packed on ice and shipped by courier to ESC.

The laboratory reported that the cooler and samples were received at 0.8 degrees Centigrade (°C) and below the recommended temperature preservation of 6°C. The laboratory indicated that the samples were received in good condition. No data were qualified based upon the sample collection and preservation information.

Holding Times

USEPA Method 8260C:
All samples were analyzed for VOCs within the USEPA recommended holding time of fourteen days for soils from the date of sample collection. All holding time criteria were met.

Total Solids by SM 2540 G 2011:
Samples were analyzed within the USEPA recommended holding time of seven days for total solids.

Initial and Continuing Calibration

Calibration data for this project are not required for this deliverable however ESC's notes indicate the following:

- *USEPA Method 8260C:* Continuing calibration verification (CCV) issues were noted by ESC for acetone, carbon tetrachloride, chloromethane, 1,1-dichloropropene, 2,2-dichloropropane, n-hexane, isopropyl benzene, and 2-butanone (MEK) associated with soils within analytical batch WG1092087 (analyzed on March 31, 2018). These results are qualified by the laboratory "J0" to indicate that percent difference CCVs are outside of laboratory acceptance criteria. **Associated sample with laboratory qualified (J0) results are estimated and qualified (J/UJ).**

Method Blank Results

USEPA Method 8260C:
Laboratory method blanks were included with the analytical batch per method requirement. The target analytes (VOCs) were not detected in the method blanks at or above the reported detection limits (RDLs).

Total Solids by SM 2540 G 2011:
Laboratory method blanks were included with the analytical batches per method requirement. The target analytes (% solids) were not detected at a significant level in the method blanks and sample results are not impacted.

Trip Blank Results

USEPA Method 8260C:
A trip blank was not collected.

Field, Rinsate, or Equipment Blank Results

Field, rinsate, or equipment blanks were not collected.

Field Duplicate Analyses

Field duplicate samples were not collected with this SDG.

Laboratory Duplicate Analyses

USEPA Method 8260C:
A laboratory duplicate sample was not analyzed. Refer to laboratory control sample/sample duplicate (LCS/LCSD) results for precision data.

Total Solids by SM 2540 G 2011:
Laboratory duplicate sample analyses were performed on client sample IW-51A-5. The primary/duplicate RPD for total solids analyses are within the laboratory control limit of 5%.

Surrogate Recoveries

USEPA Method 8260C:
The surrogate recovery results for the samples, laboratory control samples, matrix spike samples, and the method blanks are within the laboratory surrogate control limits for all of the analyses.

Laboratory Control Samples

USEPA Method 8260C:
LCS or LCS/LCSDs were analyzed by USEPA Method 8260C method. The LCS/LCSD %Rs and RPDs for the all target compounds are within the laboratory control criteria for soils with the following exceptions:

- Analytical batch WG1092087: LCS and/or LCSD recoveries for spiking compounds bromomethane, iodomethane, methylene chloride, and methyl tert-butyl ether are above laboratory acceptance criteria and qualified by the laboratory (J4). No action was necessary since these compounds are not detected in the associated samples.

- Analytical batch WG1092087: LCS/LCSD RPD values for spiking compounds acetone and hexachloro-1,3-butadiene are above criteria. Spike recoveries are within but wide and are laboratory qualified (J3). No action was taken in these cases.

Total Solids by SM 2540 G 2011:
The LCS %Rs for total solids are within the laboratory control criteria for soils.

Matrix Spike/Matrix Spike Duplicates

USEPA Method 8260C:
Matrix spike/matrix spike duplicate (MS/MSD) analyses was performed on a non-client sample

within the analytical batch. The LCS/LCSD %Rs and RPDs for the all target compounds are within the laboratory control criteria for soils with the following exceptions:

- Analytical batch WG1092087: MS/MSD RPD value for spike compound acetone is above criteria. Acetone recoveries are within criteria but wide and the result is laboratory qualified (J3). No action was taken in this case.

Refer to LCS/LCSD results for additional quality control information.

Other Quality Control Issues

No laboratory quality control issues were identified in the laboratory report.

Compound Identification and Quantitation Limits

The RDLs used for this sample group are acceptable for the project. Several samples were diluted due to elevated concentrations of various target analytes.

Detections between the MDL and RDL are estimated (J) by the laboratory and qualified (J) by the data validator to re-emphasize that the detection is estimated.

Data Assessment

The laboratory data reported for this project were reviewed based on laboratory control limit acceptance criteria and criteria outlined in:

- USEPA Contract Laboratory Program National Functional Guidelines for Organic Superfund Methods Data Review (USEPA, 2017).

Data qualifiers were assigned and laboratory report pages with qualifiers are attached. All data, including qualified data, are judged to be acceptable for their intended use.

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	90.9		1	04/02/2018 11:04	WG1092327

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U UJ	J0 J3	0.0110	0.0550	1	03/31/2018 17:22	WG1092087
Acrylonitrile	U		0.00197	0.0110	1	03/31/2018 17:22	WG1092087
Benzene	U		0.000297	0.00110	1	03/31/2018 17:22	WG1092087
Bromobenzene	U		0.000312	0.00110	1	03/31/2018 17:22	WG1092087
Bromodichloromethane	U		0.000279	0.00110	1	03/31/2018 17:22	WG1092087
Bromochloromethane	U		0.000429	0.00550	1	03/31/2018 17:22	WG1092087
Bromoform	U		0.000466	0.00110	1	03/31/2018 17:22	WG1092087
Bromomethane	U	J4	0.00147	0.00550	1	03/31/2018 17:22	WG1092087
n-Butylbenzene	U		0.000284	0.00110	1	03/31/2018 17:22	WG1092087
sec-Butylbenzene	U		0.000221	0.00110	1	03/31/2018 17:22	WG1092087
tert-Butylbenzene	U		0.000227	0.00110	1	03/31/2018 17:22	WG1092087
Carbon disulfide	0.000561 J	J	0.000243	0.00110	1	03/31/2018 17:22	WG1092087
Carbon tetrachloride	U UJ	J0	0.000361	0.00110	1	03/31/2018 17:22	WG1092087
Chlorobenzene	U		0.000233	0.00110	1	03/31/2018 17:22	WG1092087
Chlorodibromomethane	U		0.000410	0.00110	1	03/31/2018 17:22	WG1092087
Chloroethane	U		0.00104	0.00550	1	03/31/2018 17:22	WG1092087
Chloroform	U		0.000252	0.00550	1	03/31/2018 17:22	WG1092087
Chloromethane	U UJ	J0	0.000412	0.00275	1	03/31/2018 17:22	WG1092087
2-Chlorotoluene	U		0.000331	0.00110	1	03/31/2018 17:22	WG1092087
4-Chlorotoluene	U		0.000264	0.00110	1	03/31/2018 17:22	WG1092087
1,2-Dibromo-3-Chloropropane	U		0.00115	0.00550	1	03/31/2018 17:22	WG1092087
1,2-Dibromoethane	U		0.000377	0.00110	1	03/31/2018 17:22	WG1092087
Dibromomethane	U		0.000420	0.00110	1	03/31/2018 17:22	WG1092087
1,2-Dichlorobenzene	U		0.000335	0.00110	1	03/31/2018 17:22	WG1092087
1,3-Dichlorobenzene	U		0.000263	0.00110	1	03/31/2018 17:22	WG1092087
1,4-Dichlorobenzene	U		0.000249	0.00110	1	03/31/2018 17:22	WG1092087
Dichlorodifluoromethane	U		0.000784	0.00550	1	03/31/2018 17:22	WG1092087
1,1-Dichloroethane	U		0.000219	0.00110	1	03/31/2018 17:22	WG1092087
1,2-Dichloroethane	U		0.000291	0.00110	1	03/31/2018 17:22	WG1092087
1,1-Dichloroethene	U		0.000333	0.00110	1	03/31/2018 17:22	WG1092087
cis-1,2-Dichloroethene	0.000359 J	J	0.000258	0.00110	1	03/31/2018 17:22	WG1092087
trans-1,2-Dichloroethene	U		0.000290	0.00110	1	03/31/2018 17:22	WG1092087
1,2-Dichloropropane	U		0.000394	0.00110	1	03/31/2018 17:22	WG1092087
1,1-Dichloropropene	U UJ	J0	0.000349	0.00110	1	03/31/2018 17:22	WG1092087
1,3-Dichloropropane	U		0.000228	0.00110	1	03/31/2018 17:22	WG1092087
cis-1,3-Dichloropropene	U		0.000288	0.00110	1	03/31/2018 17:22	WG1092087
trans-1,3-Dichloropropene	U		0.000294	0.00110	1	03/31/2018 17:22	WG1092087
trans-1,4-Dichloro-2-butene	U		0.000856	0.00275	1	03/31/2018 17:22	WG1092087
2,2-Dichloropropane	U UJ	J0	0.000307	0.00110	1	03/31/2018 17:22	WG1092087
Di-isopropyl ether	U		0.000273	0.00110	1	03/31/2018 17:22	WG1092087
Ethylbenzene	U		0.000327	0.00110	1	03/31/2018 17:22	WG1092087
Hexachloro-1,3-butadiene	U	J3	0.000376	0.00110	1	03/31/2018 17:22	WG1092087
2-Hexanone	U		0.00151	0.0110	1	03/31/2018 17:22	WG1092087
n-Hexane	U UJ	J0	0.000319	0.0110	1	03/31/2018 17:22	WG1092087
Iodomethane	U	J4	0.00278	0.0110	1	03/31/2018 17:22	WG1092087
Isopropylbenzene	U UJ	J0	0.000267	0.00110	1	03/31/2018 17:22	WG1092087
p-Isopropyltoluene	U		0.000224	0.00110	1	03/31/2018 17:22	WG1092087
2-Butanone (MEK)	U UJ	J0	0.00515	0.0110	1	03/31/2018 17:22	WG1092087
Methylene Chloride	U	J4	0.00110	0.00550	1	03/31/2018 17:22	WG1092087
4-Methyl-2-pentanone (MIBK)	U		0.00207	0.0110	1	03/31/2018 17:22	WG1092087

JC 4/17/18

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U	J4	0.000233	0.00110	1	03/31/2018 17:22	WG1092087
Naphthalene	U		0.00110	0.00550	1	03/31/2018 17:22	WG1092087
n-Propylbenzene	U		0.000227	0.00110	1	03/31/2018 17:22	WG1092087
Styrene	U		0.000257	0.00110	1	03/31/2018 17:22	WG1092087
1,1,1,2-Tetrachloroethane	U		0.000290	0.00110	1	03/31/2018 17:22	WG1092087
1,1,2,2-Tetrachloroethane	U		0.000401	0.00110	1	03/31/2018 17:22	WG1092087
1,1,2-Trichlorotrifluoroethane	U		0.000401	0.00110	1	03/31/2018 17:22	WG1092087
Tetrachloroethene	0.00410		0.000303	0.00110	1	03/31/2018 17:22	WG1092087
Toluene	U		0.000477	0.00550	1	03/31/2018 17:22	WG1092087
1,2,3-Trichlorobenzene	U		0.000336	0.00110	1	03/31/2018 17:22	WG1092087
1,2,4-Trichlorobenzene	U		0.000427	0.00110	1	03/31/2018 17:22	WG1092087
1,1,1-Trichloroethane	U		0.000314	0.00110	1	03/31/2018 17:22	WG1092087
1,1,2-Trichloroethane	U		0.000305	0.00110	1	03/31/2018 17:22	WG1092087
Trichloroethene	U		0.000307	0.00110	1	03/31/2018 17:22	WG1092087
Trichlorofluoromethane	U		0.000420	0.00550	1	03/31/2018 17:22	WG1092087
1,2,3-Trichloropropane	U		0.000815	0.00275	1	03/31/2018 17:22	WG1092087
1,2,4-Trimethylbenzene	U		0.000232	0.00110	1	03/31/2018 17:22	WG1092087
1,2,3-Trimethylbenzene	U		0.000316	0.00110	1	03/31/2018 17:22	WG1092087
1,3,5-Trimethylbenzene	U		0.000292	0.00110	1	03/31/2018 17:22	WG1092087
Vinyl acetate	U		0.00263	0.0110	1	03/31/2018 17:22	WG1092087
Vinyl chloride	U		0.000320	0.00110	1	03/31/2018 17:22	WG1092087
Xylenes, Total	U		0.000768	0.00330	1	03/31/2018 17:22	WG1092087
(S) Toluene-d8	*95.9*			*80.0-120*		*03/31/2018 17:22*	WG1092087
(S) Dibromofluoromethane	*106*			*74.0-131*		*03/31/2018 17:22*	WG1092087
(S) 4-Bromofluorobenzene	*92.6*			*64.0-132*		*03/31/2018 17:22*	WG1092087

JC 4/17/18

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	91.7		1	04/02/2018 11:04	WG1092327

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U UJ	J0 J3	0.0109	0.0545	1	03/31/2018 17:42	WG1092087
Acrylonitrile	U		0.00195	0.0109	1	03/31/2018 17:42	WG1092087
Benzene	U		0.000294	0.00109	1	03/31/2018 17:42	WG1092087
Bromobenzene	U		0.000310	0.00109	1	03/31/2018 17:42	WG1092087
Bromodichloromethane	U		0.000277	0.00109	1	03/31/2018 17:42	WG1092087
Bromochloromethane	U		0.000425	0.00545	1	03/31/2018 17:42	WG1092087
Bromoform	U		0.000462	0.00109	1	03/31/2018 17:42	WG1092087
Bromomethane	U	J4	0.00146	0.00545	1	03/31/2018 17:42	WG1092087
n-Butylbenzene	U		0.000281	0.00109	1	03/31/2018 17:42	WG1092087
sec-Butylbenzene	U		0.000219	0.00109	1	03/31/2018 17:42	WG1092087
tert-Butylbenzene	U		0.000225	0.00109	1	03/31/2018 17:42	WG1092087
Carbon disulfide	U		0.000241	0.00109	1	03/31/2018 17:42	WG1092087
Carbon tetrachloride	U UJ	J0	0.000358	0.00109	1	03/31/2018 17:42	WG1092087
Chlorobenzene	U		0.000231	0.00109	1	03/31/2018 17:42	WG1092087
Chlorodibromomethane	U		0.000407	0.00109	1	03/31/2018 17:42	WG1092087
Chloroethane	U		0.00103	0.00545	1	03/31/2018 17:42	WG1092087
Chloroform	U		0.000250	0.00545	1	03/31/2018 17:42	WG1092087
Chloromethane	U UJ	J0	0.000409	0.00273	1	03/31/2018 17:42	WG1092087
2-Chlorotoluene	U		0.000328	0.00109	1	03/31/2018 17:42	WG1092087
4-Chlorotoluene	U		0.000262	0.00109	1	03/31/2018 17:42	WG1092087
1,2-Dibromo-3-Chloropropane	U		0.00115	0.00545	1	03/31/2018 17:42	WG1092087
1,2-Dibromoethane	U		0.000374	0.00109	1	03/31/2018 17:42	WG1092087
Dibromomethane	U		0.000417	0.00109	1	03/31/2018 17:42	WG1092087
1,2-Dichlorobenzene	U		0.000333	0.00109	1	03/31/2018 17:42	WG1092087
1,3-Dichlorobenzene	U		0.000261	0.00109	1	03/31/2018 17:42	WG1092087
1,4-Dichlorobenzene	U		0.000246	0.00109	1	03/31/2018 17:42	WG1092087
Dichlorodifluoromethane	U		0.000778	0.00545	1	03/31/2018 17:42	WG1092087
1,1-Dichloroethane	U		0.000217	0.00109	1	03/31/2018 17:42	WG1092087
1,2-Dichloroethane	U		0.000289	0.00109	1	03/31/2018 17:42	WG1092087
1,1-Dichloroethene	U		0.000330	0.00109	1	03/31/2018 17:42	WG1092087
cis-1,2-Dichloroethene	U		0.000256	0.00109	1	03/31/2018 17:42	WG1092087
trans-1,2-Dichloroethene	U		0.000288	0.00109	1	03/31/2018 17:42	WG1092087
1,2-Dichloropropane	U		0.000390	0.00109	1	03/31/2018 17:42	WG1092087
1,1-Dichloropropene	U UJ	J0	0.000346	0.00109	1	03/31/2018 17:42	WG1092087
1,3-Dichloropropane	U		0.000226	0.00109	1	03/31/2018 17:42	WG1092087
cis-1,3-Dichloropropene	U		0.000286	0.00109	1	03/31/2018 17:42	WG1092087
trans-1,3-Dichloropropene	U		0.000291	0.00109	1	03/31/2018 17:42	WG1092087
trans-1,4-Dichloro-2-butene	U		0.000848	0.00273	1	03/31/2018 17:42	WG1092087
2,2-Dichloropropane	U UJ	J0	0.000304	0.00109	1	03/31/2018 17:42	WG1092087
Di-isopropyl ether	U		0.000270	0.00109	1	03/31/2018 17:42	WG1092087
Ethylbenzene	U		0.000324	0.00109	1	03/31/2018 17:42	WG1092087
Hexachloro-1,3-butadiene	U	J3	0.000373	0.00109	1	03/31/2018 17:42	WG1092087
2-Hexanone	U		0.00149	0.0109	1	03/31/2018 17:42	WG1092087
n-Hexane	U UJ	J0	0.000316	0.0109	1	03/31/2018 17:42	WG1092087
Iodomethane	U	J4	0.00276	0.0109	1	03/31/2018 17:42	WG1092087
Isopropylbenzene	U UJ	J0	0.000265	0.00109	1	03/31/2018 17:42	WG1092087
p-Isopropyltoluene	U		0.000222	0.00109	1	03/31/2018 17:42	WG1092087
2-Butanone (MEK)	U UJ	J0	0.00510	0.0109	1	03/31/2018 17:42	WG1092087
Methylene Chloride	U	J4	0.00109	0.00545	1	03/31/2018 17:42	WG1092087
4-Methyl-2-pentanone (MIBK)	U		0.00205	0.0109	1	03/31/2018 17:42	WG1092087

JC 4/17/18

IW-51A-10

Collected date/time: 03/26/18 09:18

SAMPLE RESULTS - 02

L980958

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U	J4	0.000231	0.00109	1	03/31/2018 17:42	WG1092087
Naphthalene	U		0.00109	0.00545	1	03/31/2018 17:42	WG1092087
n-Propylbenzene	U		0.000225	0.00109	1	03/31/2018 17:42	WG1092087
Styrene	U		0.000255	0.00109	1	03/31/2018 17:42	WG1092087
1,1,1,2-Tetrachloroethane	U		0.000288	0.00109	1	03/31/2018 17:42	WG1092087
1,1,2,2-Tetrachloroethane	U		0.000398	0.00109	1	03/31/2018 17:42	WG1092087
1,1,2-Trichlorotrifluoroethane	U		0.000398	0.00109	1	03/31/2018 17:42	WG1092087
Tetrachloroethene	0.00112		0.000301	0.00109	1	03/31/2018 17:42	WG1092087
Toluene	U		0.000473	0.00545	1	03/31/2018 17:42	WG1092087
1,2,3-Trichlorobenzene	U		0.000334	0.00109	1	03/31/2018 17:42	WG1092087
1,2,4-Trichlorobenzene	U		0.000423	0.00109	1	03/31/2018 17:42	WG1092087
1,1,1-Trichloroethane	U		0.000312	0.00109	1	03/31/2018 17:42	WG1092087
1,1,2-Trichloroethane	U		0.000302	0.00109	1	03/31/2018 17:42	WG1092087
Trichloroethene	U		0.000304	0.00109	1	03/31/2018 17:42	WG1092087
Trichlorofluoromethane	U		0.000417	0.00545	1	03/31/2018 17:42	WG1092087
1,2,3-Trichloropropane	U		0.000808	0.00273	1	03/31/2018 17:42	WG1092087
1,2,4-Trimethylbenzene	U		0.000230	0.00109	1	03/31/2018 17:42	WG1092087
1,2,3-Trimethylbenzene	U		0.000313	0.00109	1	03/31/2018 17:42	WG1092087
1,3,5-Trimethylbenzene	U		0.000290	0.00109	1	03/31/2018 17:42	WG1092087
Vinyl acetate	U		0.00261	0.0109	1	03/31/2018 17:42	WG1092087
Vinyl chloride	U		0.000317	0.00109	1	03/31/2018 17:42	WG1092087
Xylenes, Total	U		0.000761	0.00327	1	03/31/2018 17:42	WG1092087
(S) Toluene-d8	*97.4*			*80.0-120*		*03/31/2018 17:42*	WG1092087
(S) Dibromofluoromethane	*108*			*74.0-131*		*03/31/2018 17:42*	WG1092087
(S) 4-Bromofluorobenzene	*92.5*			*64.0-132*		*03/31/2018 17:42*	WG1092087

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

JC 4/17/18

IW-51A-15

Collected date/time: 03/26/18 09:26

SAMPLE RESULTS - 03

L980958

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	88.2		1	04/02/2018 11:04	WG1092327

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg		Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.186	J	J0 J3	0.0113	0.0567	1	03/31/2018 18:02	WG1092087
Acrylonitrile	U			0.00203	0.0113	1	03/31/2018 18:02	WG1092087
Benzene	U			0.000306	0.00113	1	03/31/2018 18:02	WG1092087
Bromobenzene	U			0.000322	0.00113	1	03/31/2018 18:02	WG1092087
Bromodichloromethane	U			0.000288	0.00113	1	03/31/2018 18:02	WG1092087
Bromochloromethane	U			0.000442	0.00567	1	03/31/2018 18:02	WG1092087
Bromoform	U			0.000481	0.00113	1	03/31/2018 18:02	WG1092087
Bromomethane	U		J4	0.00152	0.00567	1	03/31/2018 18:02	WG1092087
n-Butylbenzene	U			0.000293	0.00113	1	03/31/2018 18:02	WG1092087
sec-Butylbenzene	U			0.000228	0.00113	1	03/31/2018 18:02	WG1092087
tert-Butylbenzene	U			0.000234	0.00113	1	03/31/2018 18:02	WG1092087
Carbon disulfide	0.00136			0.000251	0.00113	1	03/31/2018 18:02	WG1092087
Carbon tetrachloride	U	UJ	J0	0.000372	0.00113	1	03/31/2018 18:02	WG1092087
Chlorobenzene	U			0.000240	0.00113	1	03/31/2018 18:02	WG1092087
Chlorodibromomethane	U			0.000423	0.00113	1	03/31/2018 18:02	WG1092087
Chloroethane	U			0.00107	0.00567	1	03/31/2018 18:02	WG1092087
Chloroform	U			0.000260	0.00567	1	03/31/2018 18:02	WG1092087
Chloromethane	U	UJ	J0	0.000425	0.00283	1	03/31/2018 18:02	WG1092087
2-Chlorotoluene	U			0.000341	0.00113	1	03/31/2018 18:02	WG1092087
4-Chlorotoluene	U			0.000272	0.00113	1	03/31/2018 18:02	WG1092087
1,2-Dibromo-3-Chloropropane	U			0.00119	0.00567	1	03/31/2018 18:02	WG1092087
1,2-Dibromoethane	U			0.000389	0.00113	1	03/31/2018 18:02	WG1092087
Dibromomethane	U			0.000433	0.00113	1	03/31/2018 18:02	WG1092087
1,2-Dichlorobenzene	U			0.000346	0.00113	1	03/31/2018 18:02	WG1092087
1,3-Dichlorobenzene	U			0.000271	0.00113	1	03/31/2018 18:02	WG1092087
1,4-Dichlorobenzene	U			0.000256	0.00113	1	03/31/2018 18:02	WG1092087
Dichlorodifluoromethane	U			0.000809	0.00567	1	03/31/2018 18:02	WG1092087
1,1-Dichloroethane	U			0.000226	0.00113	1	03/31/2018 18:02	WG1092087
1,2-Dichloroethane	U			0.000301	0.00113	1	03/31/2018 18:02	WG1092087
1,1-Dichloroethene	U			0.000344	0.00113	1	03/31/2018 18:02	WG1092087
cis-1,2-Dichloroethene	0.000778	J	J	0.000266	0.00113	1	03/31/2018 18:02	WG1092087
trans-1,2-Dichloroethene	U			0.000299	0.00113	1	03/31/2018 18:02	WG1092087
1,2-Dichloropropane	U			0.000406	0.00113	1	03/31/2018 18:02	WG1092087
1,1-Dichloropropene	U	UJ	J0	0.000359	0.00113	1	03/31/2018 18:02	WG1092087
1,3-Dichloropropane	U			0.000235	0.00113	1	03/31/2018 18:02	WG1092087
cis-1,3-Dichloropropene	U			0.000297	0.00113	1	03/31/2018 18:02	WG1092087
trans-1,3-Dichloropropene	U			0.000303	0.00113	1	03/31/2018 18:02	WG1092087
trans-1,4-Dichloro-2-butene	U			0.000882	0.00283	1	03/31/2018 18:02	WG1092087
2,2-Dichloropropane	U	UJ	J0	0.000316	0.00113	1	03/31/2018 18:02	WG1092087
Di-isopropyl ether	U			0.000281	0.00113	1	03/31/2018 18:02	WG1092087
Ethylbenzene	U			0.000337	0.00113	1	03/31/2018 18:02	WG1092087
Hexachloro-1,3-butadiene	U		J3	0.000388	0.00113	1	03/31/2018 18:02	WG1092087
2-Hexanone	U			0.00155	0.0113	1	03/31/2018 18:02	WG1092087
n-Hexane	U	UJ	J0	0.000329	0.0113	1	03/31/2018 18:02	WG1092087
Iodomethane	U		J4	0.00287	0.0113	1	03/31/2018 18:02	WG1092087
Isopropylbenzene	U	UJ	J0	0.000276	0.00113	1	03/31/2018 18:02	WG1092087
p-Isopropyltoluene	U			0.000231	0.00113	1	03/31/2018 18:02	WG1092087
2-Butanone (MEK)	0.0807	J	J0	0.00531	0.0113	1	03/31/2018 18:02	WG1092087
Methylene Chloride	U		J4	0.00113	0.00567	1	03/31/2018 18:02	WG1092087
4-Methyl-2-pentanone (MIBK)	U			0.00213	0.0113	1	03/31/2018 18:02	WG1092087

JC 4/17/18

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U	J4	0.000240	0.00113	1	03/31/2018 18:02	WG1092087
Naphthalene	U		0.00113	0.00567	1	03/31/2018 18:02	WG1092087
n-Propylbenzene	U		0.000234	0.00113	1	03/31/2018 18:02	WG1092087
Styrene	U		0.000265	0.00113	1	03/31/2018 18:02	WG1092087
1,1,1,2-Tetrachloroethane	U		0.000299	0.00113	1	03/31/2018 18:02	WG1092087
1,1,2,2-Tetrachloroethane	U		0.000414	0.00113	1	03/31/2018 18:02	WG1092087
1,1,2-Trichlorotrifluoroethane	U		0.000414	0.00113	1	03/31/2018 18:02	WG1092087
Tetrachloroethene	0.00450		0.000313	0.00113	1	03/31/2018 18:02	WG1092087
Toluene	U		0.000492	0.00567	1	03/31/2018 18:02	WG1092087
1,2,3-Trichlorobenzene	U		0.000347	0.00113	1	03/31/2018 18:02	WG1092087
1,2,4-Trichlorobenzene	U		0.000440	0.00113	1	03/31/2018 18:02	WG1092087
1,1,1-Trichloroethane	U		0.000324	0.00113	1	03/31/2018 18:02	WG1092087
1,1,2-Trichloroethane	U		0.000314	0.00113	1	03/31/2018 18:02	WG1092087
Trichloroethene	U		0.000316	0.00113	1	03/31/2018 18:02	WG1092087
Trichlorofluoromethane	U		0.000433	0.00567	1	03/31/2018 18:02	WG1092087
1,2,3-Trichloropropane	U		0.000840	0.00283	1	03/31/2018 18:02	WG1092087
1,2,4-Trimethylbenzene	U		0.000239	0.00113	1	03/31/2018 18:02	WG1092087
1,2,3-Trimethylbenzene	U		0.000325	0.00113	1	03/31/2018 18:02	WG1092087
1,3,5-Trimethylbenzene	U		0.000302	0.00113	1	03/31/2018 18:02	WG1092087
Vinyl acetate	U		0.00271	0.0113	1	03/31/2018 18:02	WG1092087
Vinyl chloride	U		0.000330	0.00113	1	03/31/2018 18:02	WG1092087
Xylenes, Total	U		0.000792	0.00340	1	03/31/2018 18:02	WG1092087
(S) Toluene-d8	*93.8*			*80.0-120*		*03/31/2018 18:02*	WG1092087
(S) Dibromofluoromethane	*109*			*74.0-131*		*03/31/2018 18:02*	WG1092087
(S) 4-Bromofluorobenzene	*93.4*			*64.0-132*		*03/31/2018 18:02*	WG1092087

JC 4/17/18

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	92.3		1	04/02/2018 11:04	WG1092327

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg		Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.0156	J	J J0 J3	0.0108	0.0542	1	03/31/2018 18:21	WG1092087
Acrylonitrile	U			0.00194	0.0108	1	03/31/2018 18:21	WG1092087
Benzene	U			0.000293	0.00108	1	03/31/2018 18:21	WG1092087
Bromobenzene	U			0.000308	0.00108	1	03/31/2018 18:21	WG1092087
Bromodichloromethane	U			0.000275	0.00108	1	03/31/2018 18:21	WG1092087
Bromochloromethane	U			0.000423	0.00542	1	03/31/2018 18:21	WG1092087
Bromoform	U			0.000459	0.00108	1	03/31/2018 18:21	WG1092087
Bromomethane	U		J4	0.00145	0.00542	1	03/31/2018 18:21	WG1092087
n-Butylbenzene	U			0.000280	0.00108	1	03/31/2018 18:21	WG1092087
sec-Butylbenzene	U			0.000218	0.00108	1	03/31/2018 18:21	WG1092087
tert-Butylbenzene	U			0.000223	0.00108	1	03/31/2018 18:21	WG1092087
Carbon disulfide	0.000312	J	J	0.000239	0.00108	1	03/31/2018 18:21	WG1092087
Carbon tetrachloride	U	UJ	J0	0.000355	0.00108	1	03/31/2018 18:21	WG1092087
Chlorobenzene	U			0.000230	0.00108	1	03/31/2018 18:21	WG1092087
Chlorodibromomethane	U			0.000404	0.00108	1	03/31/2018 18:21	WG1092087
Chloroethane	U			0.00102	0.00542	1	03/31/2018 18:21	WG1092087
Chloroform	U			0.000248	0.00542	1	03/31/2018 18:21	WG1092087
Chloromethane	U	UJ	J0	0.000406	0.00271	1	03/31/2018 18:21	WG1092087
2-Chlorotoluene	U			0.000326	0.00108	1	03/31/2018 18:21	WG1092087
4-Chlorotoluene	U			0.000260	0.00108	1	03/31/2018 18:21	WG1092087
1,2-Dibromo-3-Chloropropane	U			0.00114	0.00542	1	03/31/2018 18:21	WG1092087
1,2-Dibromoethane	U			0.000372	0.00108	1	03/31/2018 18:21	WG1092087
Dibromomethane	U			0.000414	0.00108	1	03/31/2018 18:21	WG1092087
1,2-Dichlorobenzene	U			0.000330	0.00108	1	03/31/2018 18:21	WG1092087
1,3-Dichlorobenzene	U			0.000259	0.00108	1	03/31/2018 18:21	WG1092087
1,4-Dichlorobenzene	U			0.000245	0.00108	1	03/31/2018 18:21	WG1092087
Dichlorodifluoromethane	U			0.000772	0.00542	1	03/31/2018 18:21	WG1092087
1,1-Dichloroethane	U			0.000216	0.00108	1	03/31/2018 18:21	WG1092087
1,2-Dichloroethane	U			0.000287	0.00108	1	03/31/2018 18:21	WG1092087
1,1-Dichloroethene	U			0.000328	0.00108	1	03/31/2018 18:21	WG1092087
cis-1,2-Dichloroethene	0.000759	J	J	0.000255	0.00108	1	03/31/2018 18:21	WG1092087
trans-1,2-Dichloroethene	U			0.000286	0.00108	1	03/31/2018 18:21	WG1092087
1,2-Dichloropropane	U			0.000388	0.00108	1	03/31/2018 18:21	WG1092087
1,1-Dichloropropene	U	UJ	J0	0.000343	0.00108	1	03/31/2018 18:21	WG1092087
1,3-Dichloropropane	U			0.000224	0.00108	1	03/31/2018 18:21	WG1092087
cis-1,3-Dichloropropene	U			0.000284	0.00108	1	03/31/2018 18:21	WG1092087
trans-1,3-Dichloropropene	U			0.000289	0.00108	1	03/31/2018 18:21	WG1092087
trans-1,4-Dichloro-2-butene	U			0.000843	0.00271	1	03/31/2018 18:21	WG1092087
2,2-Dichloropropane	U	UJ	J0	0.000302	0.00108	1	03/31/2018 18:21	WG1092087
Di-isopropyl ether	U			0.000269	0.00108	1	03/31/2018 18:21	WG1092087
Ethylbenzene	U			0.000322	0.00108	1	03/31/2018 18:21	WG1092087
Hexachloro-1,3-butadiene	U		J3	0.000371	0.00108	1	03/31/2018 18:21	WG1092087
2-Hexanone	U			0.00148	0.0108	1	03/31/2018 18:21	WG1092087
n-Hexane	U	UJ	J0	0.000314	0.0108	1	03/31/2018 18:21	WG1092087
Iodomethane	U		J4	0.00274	0.0108	1	03/31/2018 18:21	WG1092087
Isopropylbenzene	U	UJ	J0	0.000263	0.00108	1	03/31/2018 18:21	WG1092087
p-Isopropyltoluene	U			0.000221	0.00108	1	03/31/2018 18:21	WG1092087
2-Butanone (MEK)	0.0108	J	J0	0.00507	0.0108	1	03/31/2018 18:21	WG1092087
Methylene Chloride	U		J4	0.00108	0.00542	1	03/31/2018 18:21	WG1092087
4-Methyl-2-pentanone (MIBK)	U			0.00204	0.0108	1	03/31/2018 18:21	WG1092087

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U	J4	0.000230	0.00108	1	03/31/2018 18:21	WG1092087
Naphthalene	U		0.00108	0.00542	1	03/31/2018 18:21	WG1092087
n-Propylbenzene	U		0.000223	0.00108	1	03/31/2018 18:21	WG1092087
Styrene	U		0.000254	0.00108	1	03/31/2018 18:21	WG1092087
1,1,1,2-Tetrachloroethane	U		0.000286	0.00108	1	03/31/2018 18:21	WG1092087
1,1,2,2-Tetrachloroethane	U		0.000395	0.00108	1	03/31/2018 18:21	WG1092087
1,1,2-Trichlorotrifluoroethane	U		0.000395	0.00108	1	03/31/2018 18:21	WG1092087
Tetrachloroethene	0.00211		0.000299	0.00108	1	03/31/2018 18:21	WG1092087
Toluene	U		0.000470	0.00542	1	03/31/2018 18:21	WG1092087
1,2,3-Trichlorobenzene	U		0.000332	0.00108	1	03/31/2018 18:21	WG1092087
1,2,4-Trichlorobenzene	U		0.000420	0.00108	1	03/31/2018 18:21	WG1092087
1,1,1-Trichloroethane	U		0.000310	0.00108	1	03/31/2018 18:21	WG1092087
1,1,2-Trichloroethane	U		0.000300	0.00108	1	03/31/2018 18:21	WG1092087
Trichloroethene	U		0.000302	0.00108	1	03/31/2018 18:21	WG1092087
Trichlorofluoromethane	U		0.000414	0.00542	1	03/31/2018 18:21	WG1092087
1,2,3-Trichloropropane	U		0.000803	0.00271	1	03/31/2018 18:21	WG1092087
1,2,4-Trimethylbenzene	U		0.000229	0.00108	1	03/31/2018 18:21	WG1092087
1,2,3-Trimethylbenzene	U		0.000311	0.00108	1	03/31/2018 18:21	WG1092087
1,3,5-Trimethylbenzene	U		0.000288	0.00108	1	03/31/2018 18:21	WG1092087
Vinyl acetate	U		0.00259	0.0108	1	03/31/2018 18:21	WG1092087
Vinyl chloride	U		0.000315	0.00108	1	03/31/2018 18:21	WG1092087
Xylenes, Total	U		0.000756	0.00325	1	03/31/2018 18:21	WG1092087
(S) Toluene-d8	*96.2*			*80.0-120*		*03/31/2018 18:21*	WG1092087
(S) Dibromofluoromethane	*107*			*74.0-131*		*03/31/2018 18:21*	WG1092087
(S) 4-Bromofluorobenzene	*90.1*			*64.0-132*		*03/31/2018 18:21*	WG1092087

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

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Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	92.8		1	04/02/2018 11:04	WG1092327

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg		Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U	UJ	J0 J3	0.0138	0.0690	1.28	03/31/2018 18:41	WG1092087
Acrylonitrile	U			0.00247	0.0138	1.28	03/31/2018 18:41	WG1092087
Benzene	U			0.000373	0.00138	1.28	03/31/2018 18:41	WG1092087
Bromobenzene	U			0.000392	0.00138	1.28	03/31/2018 18:41	WG1092087
Bromodichloromethane	U			0.000350	0.00138	1.28	03/31/2018 18:41	WG1092087
Bromochloromethane	U			0.000538	0.00690	1.28	03/31/2018 18:41	WG1092087
Bromoform	U			0.000585	0.00138	1.28	03/31/2018 18:41	WG1092087
Bromomethane	U		J4	0.00185	0.00690	1.28	03/31/2018 18:41	WG1092087
n-Butylbenzene	U			0.000356	0.00138	1.28	03/31/2018 18:41	WG1092087
sec-Butylbenzene	U			0.000277	0.00138	1.28	03/31/2018 18:41	WG1092087
tert-Butylbenzene	U			0.000285	0.00138	1.28	03/31/2018 18:41	WG1092087
Carbon disulfide	U			0.000305	0.00138	1.28	03/31/2018 18:41	WG1092087
Carbon tetrachloride	U	UJ	J0	0.000453	0.00138	1.28	03/31/2018 18:41	WG1092087
Chlorobenzene	U			0.000292	0.00138	1.28	03/31/2018 18:41	WG1092087
Chlorodibromomethane	U			0.000514	0.00138	1.28	03/31/2018 18:41	WG1092087
Chloroethane	U			0.00130	0.00690	1.28	03/31/2018 18:41	WG1092087
Chloroform	U			0.000316	0.00690	1.28	03/31/2018 18:41	WG1092087
Chloromethane	U	UJ	J0	0.000517	0.00345	1.28	03/31/2018 18:41	WG1092087
2-Chlorotoluene	U			0.000415	0.00138	1.28	03/31/2018 18:41	WG1092087
4-Chlorotoluene	U			0.000331	0.00138	1.28	03/31/2018 18:41	WG1092087
1,2-Dibromo-3-Chloropropane	U			0.00144	0.00690	1.28	03/31/2018 18:41	WG1092087
1,2-Dibromoethane	U			0.000473	0.00138	1.28	03/31/2018 18:41	WG1092087
Dibromomethane	U			0.000527	0.00138	1.28	03/31/2018 18:41	WG1092087
1,2-Dichlorobenzene	U			0.000420	0.00138	1.28	03/31/2018 18:41	WG1092087
1,3-Dichlorobenzene	U			0.000330	0.00138	1.28	03/31/2018 18:41	WG1092087
1,4-Dichlorobenzene	U			0.000312	0.00138	1.28	03/31/2018 18:41	WG1092087
Dichlorodifluoromethane	U			0.000984	0.00690	1.28	03/31/2018 18:41	WG1092087
1,1-Dichloroethane	U			0.000275	0.00138	1.28	03/31/2018 18:41	WG1092087
1,2-Dichloroethane	U			0.000365	0.00138	1.28	03/31/2018 18:41	WG1092087
1,1-Dichloroethene	0.000517	J	J	0.000418	0.00138	1.28	03/31/2018 18:41	WG1092087
cis-1,2-Dichloroethene	0.0670			0.000324	0.00138	1.28	03/31/2018 18:41	WG1092087
trans-1,2-Dichloroethene	0.000506	J	J	0.000364	0.00138	1.28	03/31/2018 18:41	WG1092087
1,2-Dichloropropane	U			0.000494	0.00138	1.28	03/31/2018 18:41	WG1092087
1,1-Dichloropropene	U	UJ	J0	0.000438	0.00138	1.28	03/31/2018 18:41	WG1092087
1,3-Dichloropropane	U			0.000286	0.00138	1.28	03/31/2018 18:41	WG1092087
cis-1,3-Dichloropropene	U			0.000361	0.00138	1.28	03/31/2018 18:41	WG1092087
trans-1,3-Dichloropropene	U			0.000369	0.00138	1.28	03/31/2018 18:41	WG1092087
trans-1,4-Dichloro-2-butene	U			0.00107	0.00345	1.28	03/31/2018 18:41	WG1092087
2,2-Dichloropropane	U	UJ	J0	0.000385	0.00138	1.28	03/31/2018 18:41	WG1092087
Di-isopropyl ether	U			0.000342	0.00138	1.28	03/31/2018 18:41	WG1092087
Ethylbenzene	U			0.000410	0.00138	1.28	03/31/2018 18:41	WG1092087
Hexachloro-1,3-butadiene	U		J3	0.000472	0.00138	1.28	03/31/2018 18:41	WG1092087
2-Hexanone	U			0.00189	0.0138	1.28	03/31/2018 18:41	WG1092087
n-Hexane	U	UJ	J0	0.000400	0.0138	1.28	03/31/2018 18:41	WG1092087
Iodomethane	U		J4	0.00349	0.0138	1.28	03/31/2018 18:41	WG1092087
Isopropylbenzene	U	UJ	J0	0.000335	0.00138	1.28	03/31/2018 18:41	WG1092087
p-Isopropyltoluene	U			0.000281	0.00138	1.28	03/31/2018 18:41	WG1092087
2-Butanone (MEK)	U	UJ	J0	0.00646	0.0138	1.28	03/31/2018 18:41	WG1092087
Methylene Chloride	U		J4	0.00138	0.00690	1.28	03/31/2018 18:41	WG1092087
4-Methyl-2-pentanone (MIBK)	U			0.00260	0.0138	1.28	03/31/2018 18:41	WG1092087

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U	J4	0.000292	0.00138	1.28	03/31/2018 18:41	WG1092087
Naphthalene	U		0.00138	0.00690	1.28	03/31/2018 18:41	WG1092087
n-Propylbenzene	U		0.000285	0.00138	1.28	03/31/2018 18:41	WG1092087
Styrene	U		0.000323	0.00138	1.28	03/31/2018 18:41	WG1092087
1,1,1,2-Tetrachloroethane	U		0.000364	0.00138	1.28	03/31/2018 18:41	WG1092087
1,1,2,2-Tetrachloroethane	U		0.000503	0.00138	1.28	03/31/2018 18:41	WG1092087
1,1,2-Trichlorotrifluoroethane	U		0.000503	0.00138	1.28	03/31/2018 18:41	WG1092087
Tetrachloroethene	5.20		0.0149	0.0539	50	04/03/2018 16:37	WG1092087
Toluene	U		0.000599	0.00690	1.28	03/31/2018 18:41	WG1092087
1,2,3-Trichlorobenzene	U		0.000423	0.00138	1.28	03/31/2018 18:41	WG1092087
1,2,4-Trichlorobenzene	U		0.000536	0.00138	1.28	03/31/2018 18:41	WG1092087
1,1,1-Trichloroethane	U		0.000395	0.00138	1.28	03/31/2018 18:41	WG1092087
1,1,2-Trichloroethane	U		0.000382	0.00138	1.28	03/31/2018 18:41	WG1092087
Trichloroethene	0.0410		0.000385	0.00138	1.28	03/31/2018 18:41	WG1092087
Trichlorofluoromethane	U		0.000527	0.00690	1.28	03/31/2018 18:41	WG1092087
1,2,3-Trichloropropane	U		0.00102	0.00345	1.28	03/31/2018 18:41	WG1092087
1,2,4-Trimethylbenzene	U		0.000291	0.00138	1.28	03/31/2018 18:41	WG1092087
1,2,3-Trimethylbenzene	U		0.000396	0.00138	1.28	03/31/2018 18:41	WG1092087
1,3,5-Trimethylbenzene	U		0.000367	0.00138	1.28	03/31/2018 18:41	WG1092087
Vinyl acetate	U		0.00330	0.0138	1.28	03/31/2018 18:41	WG1092087
Vinyl chloride	U		0.000401	0.00138	1.28	03/31/2018 18:41	WG1092087
Xylenes, Total	U		0.000963	0.00414	1.28	03/31/2018 18:41	WG1092087
(S) Toluene-d8	*95.6*			*80.0-120*		*03/31/2018 18:41*	WG1092087
(S) Toluene-d8	*112*			*80.0-120*		*04/03/2018 16:37*	WG1092087
(S) Dibromofluoromethane	*102*			*74.0-131*		*04/03/2018 16:37*	WG1092087
(S) Dibromofluoromethane	*109*			*74.0-131*		*03/31/2018 18:41*	WG1092087
(S) 4-Bromofluorobenzene	*94.4*			*64.0-132*		*03/31/2018 18:41*	WG1092087
(S) 4-Bromofluorobenzene	*101*			*64.0-132*		*04/03/2018 16:37*	WG1092087

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Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	92.8		1	04/02/2018 11:04	WG1092327

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U UJ	J0 J3	0.0108	0.0539	1	03/31/2018 19:00	WG1092087
Acrylonitrile	U		0.00193	0.0108	1	03/31/2018 19:00	WG1092087
Benzene	U		0.000291	0.00108	1	03/31/2018 19:00	WG1092087
Bromobenzene	U		0.000306	0.00108	1	03/31/2018 19:00	WG1092087
Bromodichloromethane	U		0.000274	0.00108	1	03/31/2018 19:00	WG1092087
Bromochloromethane	U		0.000420	0.00539	1	03/31/2018 19:00	WG1092087
Bromoform	U		0.000457	0.00108	1	03/31/2018 19:00	WG1092087
Bromomethane	U	J4	0.00144	0.00539	1	03/31/2018 19:00	WG1092087
n-Butylbenzene	U		0.000278	0.00108	1	03/31/2018 19:00	WG1092087
sec-Butylbenzene	U		0.000217	0.00108	1	03/31/2018 19:00	WG1092087
tert-Butylbenzene	U		0.000222	0.00108	1	03/31/2018 19:00	WG1092087
Carbon disulfide	U		0.000238	0.00108	1	03/31/2018 19:00	WG1092087
Carbon tetrachloride	U UJ	J0	0.000353	0.00108	1	03/31/2018 19:00	WG1092087
Chlorobenzene	U		0.000228	0.00108	1	03/31/2018 19:00	WG1092087
Chlorodibromomethane	U		0.000402	0.00108	1	03/31/2018 19:00	WG1092087
Chloroethane	U		0.00102	0.00539	1	03/31/2018 19:00	WG1092087
Chloroform	U		0.000247	0.00539	1	03/31/2018 19:00	WG1092087
Chloromethane	U UJ	J0	0.000404	0.00269	1	03/31/2018 19:00	WG1092087
2-Chlorotoluene	U		0.000324	0.00108	1	03/31/2018 19:00	WG1092087
4-Chlorotoluene	U		0.000259	0.00108	1	03/31/2018 19:00	WG1092087
1,2-Dibromo-3-Chloropropane	U		0.00113	0.00539	1	03/31/2018 19:00	WG1092087
1,2-Dibromoethane	U		0.000370	0.00108	1	03/31/2018 19:00	WG1092087
Dibromomethane	U		0.000412	0.00108	1	03/31/2018 19:00	WG1092087
1,2-Dichlorobenzene	U		0.000329	0.00108	1	03/31/2018 19:00	WG1092087
1,3-Dichlorobenzene	U		0.000258	0.00108	1	03/31/2018 19:00	WG1092087
1,4-Dichlorobenzene	U		0.000244	0.00108	1	03/31/2018 19:00	WG1092087
Dichlorodifluoromethane	U		0.000768	0.00539	1	03/31/2018 19:00	WG1092087
1,1-Dichloroethane	U		0.000214	0.00108	1	03/31/2018 19:00	WG1092087
1,2-Dichloroethane	U		0.000286	0.00108	1	03/31/2018 19:00	WG1092087
1,1-Dichloroethene	U		0.000327	0.00108	1	03/31/2018 19:00	WG1092087
cis-1,2-Dichloroethene	0.00590		0.000253	0.00108	1	03/31/2018 19:00	WG1092087
trans-1,2-Dichloroethene	U		0.000284	0.00108	1	03/31/2018 19:00	WG1092087
1,2-Dichloropropane	U		0.000386	0.00108	1	03/31/2018 19:00	WG1092087
1,1-Dichloropropene	U UJ	J0	0.000342	0.00108	1	03/31/2018 19:00	WG1092087
1,3-Dichloropropane	U		0.000223	0.00108	1	03/31/2018 19:00	WG1092087
cis-1,3-Dichloropropene	U		0.000282	0.00108	1	03/31/2018 19:00	WG1092087
trans-1,3-Dichloropropene	U		0.000288	0.00108	1	03/31/2018 19:00	WG1092087
trans-1,4-Dichloro-2-butene	U		0.000838	0.00269	1	03/31/2018 19:00	WG1092087
2,2-Dichloropropane	U UJ	J0	0.000301	0.00108	1	03/31/2018 19:00	WG1092087
Di-isopropyl ether	U		0.000267	0.00108	1	03/31/2018 19:00	WG1092087
Ethylbenzene	U		0.000320	0.00108	1	03/31/2018 19:00	WG1092087
Hexachloro-1,3-butadiene	U	J3	0.000369	0.00108	1	03/31/2018 19:00	WG1092087
2-Hexanone	U		0.00148	0.0108	1	03/31/2018 19:00	WG1092087
n-Hexane	U UJ	J0	0.000313	0.0108	1	03/31/2018 19:00	WG1092087
Iodomethane	U	J4	0.00273	0.0108	1	03/31/2018 19:00	WG1092087
Isopropylbenzene	U UJ	J0	0.000262	0.00108	1	03/31/2018 19:00	WG1092087
p-Isopropyltoluene	U		0.000220	0.00108	1	03/31/2018 19:00	WG1092087
2-Butanone (MEK)	U UJ	J0	0.00504	0.0108	1	03/31/2018 19:00	WG1092087
Methylene Chloride	U	J4	0.00108	0.00539	1	03/31/2018 19:00	WG1092087
4-Methyl-2-pentanone (MIBK)	U		0.00203	0.0108	1	03/31/2018 19:00	WG1092087

JC 4/17/18

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U	J4	0.000228	0.00108	1	03/31/2018 19:00	WG1092087
Naphthalene	U		0.00108	0.00539	1	03/31/2018 19:00	WG1092087
n-Propylbenzene	U		0.000222	0.00108	1	03/31/2018 19:00	WG1092087
Styrene	U		0.000252	0.00108	1	03/31/2018 19:00	WG1092087
1,1,1,2-Tetrachloroethane	U		0.000284	0.00108	1	03/31/2018 19:00	WG1092087
1,1,2,2-Tetrachloroethane	U		0.000393	0.00108	1	03/31/2018 19:00	WG1092087
1,1,2-Trichlorotrifluoroethane	U		0.000393	0.00108	1	03/31/2018 19:00	WG1092087
Tetrachloroethene	3.14		0.00744	0.0269	25	04/03/2018 16:57	WG1092087
Toluene	U		0.000468	0.00539	1	03/31/2018 19:00	WG1092087
1,2,3-Trichlorobenzene	U		0.000330	0.00108	1	03/31/2018 19:00	WG1092087
1,2,4-Trichlorobenzene	U		0.000418	0.00108	1	03/31/2018 19:00	WG1092087
1,1,1-Trichloroethane	U		0.000308	0.00108	1	03/31/2018 19:00	WG1092087
1,1,2-Trichloroethane	U		0.000299	0.00108	1	03/31/2018 19:00	WG1092087
Trichloroethene	0.0147		0.000301	0.00108	1	03/31/2018 19:00	WG1092087
Trichlorofluoromethane	U		0.000412	0.00539	1	03/31/2018 19:00	WG1092087
1,2,3-Trichloropropane	U		0.000799	0.00269	1	03/31/2018 19:00	WG1092087
1,2,4-Trimethylbenzene	U		0.000227	0.00108	1	03/31/2018 19:00	WG1092087
1,2,3-Trimethylbenzene	U		0.000309	0.00108	1	03/31/2018 19:00	WG1092087
1,3,5-Trimethylbenzene	U		0.000287	0.00108	1	03/31/2018 19:00	WG1092087
Vinyl acetate	U		0.00258	0.0108	1	03/31/2018 19:00	WG1092087
Vinyl chloride	U		0.000314	0.00108	1	03/31/2018 19:00	WG1092087
Xylenes, Total	U		0.000752	0.00323	1	03/31/2018 19:00	WG1092087
(S) Toluene-d8	*94.3*			*80.0-120*		*03/31/2018 19:00*	WG1092087
(S) Toluene-d8	*112*			*80.0-120*		*04/03/2018 16:57*	WG1092087
(S) Dibromofluoromethane	*109*			*74.0-131*		*03/31/2018 19:00*	WG1092087
(S) Dibromofluoromethane	*101*			*74.0-131*		*04/03/2018 16:57*	WG1092087
(S) 4-Bromofluorobenzene	*93.8*			*64.0-132*		*03/31/2018 19:00*	WG1092087
(S) 4-Bromofluorobenzene	*98.9*			*64.0-132*		*04/03/2018 16:57*	WG1092087

JC 4/17/18

IW-51A-35

Collected date/time: 03/26/18 10:11

SAMPLE RESULTS - 07

L980958

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	91.8		1	04/02/2018 11:04	WG1092327

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg		Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U	UJ	J0 J3	0.0109	0.0544	1	03/31/2018 19:20	WG1092087
Acrylonitrile	U			0.00195	0.0109	1	03/31/2018 19:20	WG1092087
Benzene	U			0.000294	0.00109	1	03/31/2018 19:20	WG1092087
Bromobenzene	U			0.000309	0.00109	1	03/31/2018 19:20	WG1092087
Bromodichloromethane	U			0.000277	0.00109	1	03/31/2018 19:20	WG1092087
Bromochloromethane	U			0.000425	0.00544	1	03/31/2018 19:20	WG1092087
Bromoform	U			0.000462	0.00109	1	03/31/2018 19:20	WG1092087
Bromomethane	U		J4	0.00146	0.00544	1	03/31/2018 19:20	WG1092087
n-Butylbenzene	U			0.000281	0.00109	1	03/31/2018 19:20	WG1092087
sec-Butylbenzene	U			0.000219	0.00109	1	03/31/2018 19:20	WG1092087
tert-Butylbenzene	U			0.000224	0.00109	1	03/31/2018 19:20	WG1092087
Carbon disulfide	0.000309	J	J	0.000241	0.00109	1	03/31/2018 19:20	WG1092087
Carbon tetrachloride	U	UJ	J0	0.000357	0.00109	1	03/31/2018 19:20	WG1092087
Chlorobenzene	U			0.000231	0.00109	1	03/31/2018 19:20	WG1092087
Chlorodibromomethane	U			0.000406	0.00109	1	03/31/2018 19:20	WG1092087
Chloroethane	U			0.00103	0.00544	1	03/31/2018 19:20	WG1092087
Chloroform	U			0.000249	0.00544	1	03/31/2018 19:20	WG1092087
Chloromethane	U	UJ	J0	0.000408	0.00272	1	03/31/2018 19:20	WG1092087
2-Chlorotoluene	U			0.000328	0.00109	1	03/31/2018 19:20	WG1092087
4-Chlorotoluene	U			0.000261	0.00109	1	03/31/2018 19:20	WG1092087
1,2-Dibromo-3-Chloropropane	U			0.00114	0.00544	1	03/31/2018 19:20	WG1092087
1,2-Dibromoethane	U			0.000374	0.00109	1	03/31/2018 19:20	WG1092087
Dibromomethane	U			0.000416	0.00109	1	03/31/2018 19:20	WG1092087
1,2-Dichlorobenzene	U			0.000332	0.00109	1	03/31/2018 19:20	WG1092087
1,3-Dichlorobenzene	U			0.000260	0.00109	1	03/31/2018 19:20	WG1092087
1,4-Dichlorobenzene	U			0.000246	0.00109	1	03/31/2018 19:20	WG1092087
Dichlorodifluoromethane	U			0.000776	0.00544	1	03/31/2018 19:20	WG1092087
1,1-Dichloroethane	U			0.000217	0.00109	1	03/31/2018 19:20	WG1092087
1,2-Dichloroethane	U			0.000289	0.00109	1	03/31/2018 19:20	WG1092087
1,1-Dichloroethene	U			0.000330	0.00109	1	03/31/2018 19:20	WG1092087
cis-1,2-Dichloroethene	0.00305			0.000256	0.00109	1	03/31/2018 19:20	WG1092087
trans-1,2-Dichloroethene	U			0.000287	0.00109	1	03/31/2018 19:20	WG1092087
1,2-Dichloropropane	U			0.000390	0.00109	1	03/31/2018 19:20	WG1092087
1,1-Dichloropropene	U	UJ	J0	0.000345	0.00109	1	03/31/2018 19:20	WG1092087
1,3-Dichloropropane	U			0.000225	0.00109	1	03/31/2018 19:20	WG1092087
cis-1,3-Dichloropropene	U			0.000285	0.00109	1	03/31/2018 19:20	WG1092087
trans-1,3-Dichloropropene	U			0.000291	0.00109	1	03/31/2018 19:20	WG1092087
trans-1,4-Dichloro-2-butene	U			0.000847	0.00272	1	03/31/2018 19:20	WG1092087
2,2-Dichloropropane	U	UJ	J0	0.000304	0.00109	1	03/31/2018 19:20	WG1092087
Di-isopropyl ether	U			0.000270	0.00109	1	03/31/2018 19:20	WG1092087
Ethylbenzene	U			0.000323	0.00109	1	03/31/2018 19:20	WG1092087
Hexachloro-1,3-butadiene	U		J3	0.000372	0.00109	1	03/31/2018 19:20	WG1092087
2-Hexanone	U			0.00149	0.0109	1	03/31/2018 19:20	WG1092087
n-Hexane	U	UJ	J0	0.000316	0.0109	1	03/31/2018 19:20	WG1092087
Iodomethane	U		J4	0.00276	0.0109	1	03/31/2018 19:20	WG1092087
Isopropylbenzene	U	UJ	J0	0.000265	0.00109	1	03/31/2018 19:20	WG1092087
p-Isopropyltoluene	U			0.000222	0.00109	1	03/31/2018 19:20	WG1092087
2-Butanone (MEK)	U	UJ	J0	0.00510	0.0109	1	03/31/2018 19:20	WG1092087
Methylene Chloride	U		J4	0.00109	0.00544	1	03/31/2018 19:20	WG1092087
4-Methyl-2-pentanone (MIBK)	U			0.00205	0.0109	1	03/31/2018 19:20	WG1092087

JC 4/17/18

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U	J4	0.000231	0.00109	1	03/31/2018 19:20	WG1092087
Naphthalene	U		0.00109	0.00544	1	03/31/2018 19:20	WG1092087
n-Propylbenzene	U		0.000224	0.00109	1	03/31/2018 19:20	WG1092087
Styrene	U		0.000255	0.00109	1	03/31/2018 19:20	WG1092087
1,1,1,2-Tetrachloroethane	U		0.000287	0.00109	1	03/31/2018 19:20	WG1092087
1,1,2,2-Tetrachloroethane	U		0.000397	0.00109	1	03/31/2018 19:20	WG1092087
1,1,2-Trichlorotrifluoroethane	U		0.000397	0.00109	1	03/31/2018 19:20	WG1092087
Tetrachloroethene	0.00981		0.000301	0.00109	1	04/03/2018 14:30	WG1092087
Toluene	U		0.000473	0.00544	1	03/31/2018 19:20	WG1092087
1,2,3-Trichlorobenzene	U		0.000333	0.00109	1	03/31/2018 19:20	WG1092087
1,2,4-Trichlorobenzene	U		0.000423	0.00109	1	03/31/2018 19:20	WG1092087
1,1,1-Trichloroethane	U		0.000311	0.00109	1	03/31/2018 19:20	WG1092087
1,1,2-Trichloroethane	U		0.000302	0.00109	1	03/31/2018 19:20	WG1092087
Trichloroethene	U		0.000304	0.00109	1	03/31/2018 19:20	WG1092087
Trichlorofluoromethane	U		0.000416	0.00544	1	03/31/2018 19:20	WG1092087
1,2,3-Trichloropropane	U		0.000807	0.00272	1	03/31/2018 19:20	WG1092087
1,2,4-Trimethylbenzene	U		0.000230	0.00109	1	03/31/2018 19:20	WG1092087
1,2,3-Trimethylbenzene	U		0.000313	0.00109	1	03/31/2018 19:20	WG1092087
1,3,5-Trimethylbenzene	U		0.000290	0.00109	1	03/31/2018 19:20	WG1092087
Vinyl acetate	U		0.00260	0.0109	1	03/31/2018 19:20	WG1092087
Vinyl chloride	0.000805 J	J	0.000317	0.00109	1	03/31/2018 19:20	WG1092087
Xylenes, Total	U		0.000760	0.00327	1	03/31/2018 19:20	WG1092087
(S) Toluene-d8	*93.3*			*80.0-120*		*03/31/2018 19:20*	WG1092087
(S) Toluene-d8	*99.3*			*80.0-120*		*04/03/2018 14:30*	WG1092087
(S) Dibromofluoromethane	*108*			*74.0-131*		*03/31/2018 19:20*	WG1092087
(S) Dibromofluoromethane	*107*			*74.0-131*		*04/03/2018 14:30*	WG1092087
(S) 4-Bromofluorobenzene	*102*			*64.0-132*		*04/03/2018 14:30*	WG1092087
(S) 4-Bromofluorobenzene	*92.7*			*64.0-132*		*03/31/2018 19:20*	WG1092087

JC 4/17/18

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	91.5		1	04/02/2018 11:04	WG1092327

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg		Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U	UJ	J0 J3	0.0109	0.0546	1	03/31/2018 19:40	WG1092087
Acrylonitrile	U			0.00196	0.0109	1	03/31/2018 19:40	WG1092087
Benzene	U			0.000295	0.00109	1	03/31/2018 19:40	WG1092087
Bromobenzene	U			0.000310	0.00109	1	03/31/2018 19:40	WG1092087
Bromodichloromethane	U			0.000277	0.00109	1	03/31/2018 19:40	WG1092087
Bromochloromethane	U			0.000426	0.00546	1	03/31/2018 19:40	WG1092087
Bromoform	U			0.000463	0.00109	1	03/31/2018 19:40	WG1092087
Bromomethane	U		J4	0.00146	0.00546	1	03/31/2018 19:40	WG1092087
n-Butylbenzene	U			0.000282	0.00109	1	03/31/2018 19:40	WG1092087
sec-Butylbenzene	U			0.000220	0.00109	1	03/31/2018 19:40	WG1092087
tert-Butylbenzene	U			0.000225	0.00109	1	03/31/2018 19:40	WG1092087
Carbon disulfide	0.000784	J	J	0.000241	0.00109	1	03/31/2018 19:40	WG1092087
Carbon tetrachloride	U	UJ	J0	0.000358	0.00109	1	03/31/2018 19:40	WG1092087
Chlorobenzene	U			0.000232	0.00109	1	03/31/2018 19:40	WG1092087
Chlorodibromomethane	U			0.000407	0.00109	1	03/31/2018 19:40	WG1092087
Chloroethane	U			0.00103	0.00546	1	03/31/2018 19:40	WG1092087
Chloroform	U			0.000250	0.00546	1	03/31/2018 19:40	WG1092087
Chloromethane	U	UJ	J0	0.000410	0.00273	1	03/31/2018 19:40	WG1092087
2-Chlorotoluene	U			0.000329	0.00109	1	03/31/2018 19:40	WG1092087
4-Chlorotoluene	U			0.000262	0.00109	1	03/31/2018 19:40	WG1092087
1,2-Dibromo-3-Chloropropane	U			0.00115	0.00546	1	03/31/2018 19:40	WG1092087
1,2-Dibromoethane	U			0.000375	0.00109	1	03/31/2018 19:40	WG1092087
Dibromomethane	U			0.000417	0.00109	1	03/31/2018 19:40	WG1092087
1,2-Dichlorobenzene	U			0.000333	0.00109	1	03/31/2018 19:40	WG1092087
1,3-Dichlorobenzene	U			0.000261	0.00109	1	03/31/2018 19:40	WG1092087
1,4-Dichlorobenzene	U			0.000247	0.00109	1	03/31/2018 19:40	WG1092087
Dichlorodifluoromethane	U			0.000779	0.00546	1	03/31/2018 19:40	WG1092087
1,1-Dichloroethane	U			0.000217	0.00109	1	03/31/2018 19:40	WG1092087
1,2-Dichloroethane	U			0.000290	0.00109	1	03/31/2018 19:40	WG1092087
1,1-Dichloroethene	0.00272			0.000331	0.00109	1	03/31/2018 19:40	WG1092087
cis-1,2-Dichloroethene	2.17			0.0257	0.109	100	04/03/2018 17:17	WG1092087
trans-1,2-Dichloroethene	0.000872	J	J	0.000288	0.00109	1	03/31/2018 19:40	WG1092087
1,2-Dichloropropane	U			0.000391	0.00109	1	03/31/2018 19:40	WG1092087
1,1-Dichloropropene	U	UJ	J0	0.000346	0.00109	1	03/31/2018 19:40	WG1092087
1,3-Dichloropropane	U			0.000226	0.00109	1	03/31/2018 19:40	WG1092087
cis-1,3-Dichloropropene	U			0.000286	0.00109	1	03/31/2018 19:40	WG1092087
trans-1,3-Dichloropropene	U			0.000292	0.00109	1	03/31/2018 19:40	WG1092087
trans-1,4-Dichloro-2-butene	U			0.000850	0.00273	1	03/31/2018 19:40	WG1092087
2,2-Dichloropropane	U	UJ	J0	0.000305	0.00109	1	03/31/2018 19:40	WG1092087
Di-isopropyl ether	U			0.000271	0.00109	1	03/31/2018 19:40	WG1092087
Ethylbenzene	U			0.000324	0.00109	1	03/31/2018 19:40	WG1092087
Hexachloro-1,3-butadiene	U		J3	0.000374	0.00109	1	03/31/2018 19:40	WG1092087
2-Hexanone	U			0.00150	0.0109	1	03/31/2018 19:40	WG1092087
n-Hexane	U	UJ	J0	0.000317	0.0109	1	03/31/2018 19:40	WG1092087
Iodomethane	U		J4	0.00276	0.0109	1	03/31/2018 19:40	WG1092087
Isopropylbenzene	U	UJ	J0	0.000265	0.00109	1	03/31/2018 19:40	WG1092087
p-Isopropyltoluene	U			0.000223	0.00109	1	03/31/2018 19:40	WG1092087
2-Butanone (MEK)	U	UJ	J0	0.00511	0.0109	1	03/31/2018 19:40	WG1092087
Methylene Chloride	U		J4	0.00109	0.00546	1	03/31/2018 19:40	WG1092087
4-Methyl-2-pentanone (MIBK)	U			0.00205	0.0109	1	03/31/2018 19:40	WG1092087

JC 4/17/18

IW-51A-40

Collected date/time: 03/26/18 10:32

SAMPLE RESULTS - 08

L980958

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U	J4	0.000232	0.00109	1	03/31/2018 19:40	WG1092087
Naphthalene	U		0.00109	0.00546	1	03/31/2018 19:40	WG1092087
n-Propylbenzene	U		0.000225	0.00109	1	03/31/2018 19:40	WG1092087
Styrene	U		0.000256	0.00109	1	03/31/2018 19:40	WG1092087
1,1,1,2-Tetrachloroethane	U		0.000288	0.00109	1	03/31/2018 19:40	WG1092087
1,1,2,2-Tetrachloroethane	U		0.000399	0.00109	1	03/31/2018 19:40	WG1092087
1,1,2-Trichlorotrifluoroethane	U		0.000399	0.00109	1	03/31/2018 19:40	WG1092087
Tetrachloroethene	0.101		0.000302	0.00109	1	03/31/2018 19:40	WG1092087
Toluene	U		0.000474	0.00546	1	03/31/2018 19:40	WG1092087
1,2,3-Trichlorobenzene	U		0.000334	0.00109	1	03/31/2018 19:40	WG1092087
1,2,4-Trichlorobenzene	U		0.000424	0.00109	1	03/31/2018 19:40	WG1092087
1,1,1-Trichloroethane	U		0.000312	0.00109	1	03/31/2018 19:40	WG1092087
1,1,2-Trichloroethane	U		0.000303	0.00109	1	03/31/2018 19:40	WG1092087
Trichloroethene	0.00781		0.000305	0.00109	1	03/31/2018 19:40	WG1092087
Trichlorofluoromethane	U		0.000417	0.00546	1	03/31/2018 19:40	WG1092087
1,2,3-Trichloropropane	U		0.000810	0.00273	1	03/31/2018 19:40	WG1092087
1,2,4-Trimethylbenzene	U		0.000231	0.00109	1	03/31/2018 19:40	WG1092087
1,2,3-Trimethylbenzene	U		0.000314	0.00109	1	03/31/2018 19:40	WG1092087
1,3,5-Trimethylbenzene	U		0.000291	0.00109	1	03/31/2018 19:40	WG1092087
Vinyl acetate	U		0.00261	0.0109	1	03/31/2018 19:40	WG1092087
Vinyl chloride	0.0155		0.000318	0.00109	1	03/31/2018 19:40	WG1092087
Xylenes, Total	U		0.000763	0.00328	1	03/31/2018 19:40	WG1092087
(S) Toluene-d8	*110*			*80.0-120*		*04/03/2018 17:17*	WG1092087
(S) Toluene-d8	*95.4*			*80.0-120*		*03/31/2018 19:40*	WG1092087
(S) Dibromofluoromethane	*102*			*74.0-131*		*04/03/2018 17:17*	WG1092087
(S) Dibromofluoromethane	*111*			*74.0-131*		*03/31/2018 19:40*	WG1092087
(S) 4-Bromofluorobenzene	*101*			*64.0-132*		*04/03/2018 17:17*	WG1092087
(S) 4-Bromofluorobenzene	*97.2*			*64.0-132*		*03/31/2018 19:40*	WG1092087

JC 4/17/18

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	89.8		1	04/02/2018 11:04	WG1092327

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U UJ	J0 J3	0.0111	0.0557	1	03/31/2018 19:59	WG1092087
Acrylonitrile	U		0.00199	0.0111	1	03/31/2018 19:59	WG1092087
Benzene	U		0.000301	0.00111	1	03/31/2018 19:59	WG1092087
Bromobenzene	U		0.000316	0.00111	1	03/31/2018 19:59	WG1092087
Bromodichloromethane	U		0.000283	0.00111	1	03/31/2018 19:59	WG1092087
Bromochloromethane	U		0.000434	0.00557	1	03/31/2018 19:59	WG1092087
Bromoform	U		0.000472	0.00111	1	03/31/2018 19:59	WG1092087
Bromomethane	U	J4	0.00149	0.00557	1	03/31/2018 19:59	WG1092087
n-Butylbenzene	U		0.000287	0.00111	1	03/31/2018 19:59	WG1092087
sec-Butylbenzene	U		0.000224	0.00111	1	03/31/2018 19:59	WG1092087
tert-Butylbenzene	U		0.000229	0.00111	1	03/31/2018 19:59	WG1092087
Carbon disulfide	0.00131		0.000246	0.00111	1	03/31/2018 19:59	WG1092087
Carbon tetrachloride	U UJ	J0	0.000365	0.00111	1	03/31/2018 19:59	WG1092087
Chlorobenzene	U		0.000236	0.00111	1	03/31/2018 19:59	WG1092087
Chlorodibromomethane	U		0.000415	0.00111	1	03/31/2018 19:59	WG1092087
Chloroethane	U		0.00105	0.00557	1	03/31/2018 19:59	WG1092087
Chloroform	U		0.000255	0.00557	1	03/31/2018 19:59	WG1092087
Chloromethane	U UJ	J0	0.000417	0.00278	1	03/31/2018 19:59	WG1092087
2-Chlorotoluene	U		0.000335	0.00111	1	03/31/2018 19:59	WG1092087
4-Chlorotoluene	U		0.000267	0.00111	1	03/31/2018 19:59	WG1092087
1,2-Dibromo-3-Chloropropane	U		0.00117	0.00557	1	03/31/2018 19:59	WG1092087
1,2-Dibromoethane	U		0.000382	0.00111	1	03/31/2018 19:59	WG1092087
Dibromomethane	U		0.000425	0.00111	1	03/31/2018 19:59	WG1092087
1,2-Dichlorobenzene	U		0.000340	0.00111	1	03/31/2018 19:59	WG1092087
1,3-Dichlorobenzene	U		0.000266	0.00111	1	03/31/2018 19:59	WG1092087
1,4-Dichlorobenzene	U		0.000252	0.00111	1	03/31/2018 19:59	WG1092087
Dichlorodifluoromethane	U		0.000794	0.00557	1	03/31/2018 19:59	WG1092087
1,1-Dichloroethane	U		0.000222	0.00111	1	03/31/2018 19:59	WG1092087
1,2-Dichloroethane	U		0.000295	0.00111	1	03/31/2018 19:59	WG1092087
1,1-Dichloroethene	0.0108		0.000337	0.00111	1	03/31/2018 19:59	WG1092087
cis-1,2-Dichloroethene	2.37		0.0262	0.111	100	04/03/2018 17:38	WG1092087
trans-1,2-Dichloroethene	0.00244		0.000294	0.00111	1	03/31/2018 19:59	WG1092087
1,2-Dichloropropane	U		0.000399	0.00111	1	03/31/2018 19:59	WG1092087
1,1-Dichloropropene	U UJ	J0	0.000353	0.00111	1	03/31/2018 19:59	WG1092087
1,3-Dichloropropane	U		0.000230	0.00111	1	03/31/2018 19:59	WG1092087
cis-1,3-Dichloropropene	U		0.000292	0.00111	1	03/31/2018 19:59	WG1092087
trans-1,3-Dichloropropene	U		0.000297	0.00111	1	03/31/2018 19:59	WG1092087
trans-1,4-Dichloro-2-butene	U		0.000866	0.00278	1	03/31/2018 19:59	WG1092087
2,2-Dichloropropane	U UJ	J0	0.000311	0.00111	1	03/31/2018 19:59	WG1092087
Di-isopropyl ether	U		0.000276	0.00111	1	03/31/2018 19:59	WG1092087
Ethylbenzene	U		0.000331	0.00111	1	03/31/2018 19:59	WG1092087
Hexachloro-1,3-butadiene	U	J3	0.000381	0.00111	1	03/31/2018 19:59	WG1092087
2-Hexanone	U		0.00153	0.0111	1	03/31/2018 19:59	WG1092087
n-Hexane	U UJ	J0	0.000323	0.0111	1	03/31/2018 19:59	WG1092087
Iodomethane	U	J4	0.00282	0.0111	1	03/31/2018 19:59	WG1092087
Isopropylbenzene	U UJ	J0	0.000270	0.00111	1	03/31/2018 19:59	WG1092087
p-Isopropyltoluene	U		0.000227	0.00111	1	03/31/2018 19:59	WG1092087
2-Butanone (MEK)	0.0232 J	J0	0.00521	0.0111	1	03/31/2018 19:59	WG1092087
Methylene Chloride	U	J4	0.00111	0.00557	1	03/31/2018 19:59	WG1092087
4-Methyl-2-pentanone (MIBK)	U		0.00209	0.0111	1	03/31/2018 19:59	WG1092087

JC 4/17/18

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg		Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		J4	0.000236	0.00111	1	03/31/2018 19:59	WG1092087
Naphthalene	U			0.00111	0.00557	1	03/31/2018 19:59	WG1092087
n-Propylbenzene	U			0.000229	0.00111	1	03/31/2018 19:59	WG1092087
Styrene	U			0.000260	0.00111	1	03/31/2018 19:59	WG1092087
1,1,1,2-Tetrachloroethane	U			0.000294	0.00111	1	03/31/2018 19:59	WG1092087
1,1,2,2-Tetrachloroethane	U			0.000406	0.00111	1	03/31/2018 19:59	WG1092087
1,1,2-Trichlorotrifluoroethane	U			0.000406	0.00111	1	03/31/2018 19:59	WG1092087
Tetrachloroethene	2.97			0.0307	0.111	100	04/03/2018 17:38	WG1092087
Toluene	U			0.000483	0.00557	1	03/31/2018 19:59	WG1092087
1,2,3-Trichlorobenzene	U			0.000341	0.00111	1	03/31/2018 19:59	WG1092087
1,2,4-Trichlorobenzene	U			0.000432	0.00111	1	03/31/2018 19:59	WG1092087
1,1,1-Trichloroethane	U			0.000318	0.00111	1	03/31/2018 19:59	WG1092087
1,1,2-Trichloroethane	U			0.000308	0.00111	1	03/31/2018 19:59	WG1092087
Trichloroethene	0.0397			0.000311	0.00111	1	03/31/2018 19:59	WG1092087
Trichlorofluoromethane	U			0.000425	0.00557	1	03/31/2018 19:59	WG1092087
1,2,3-Trichloropropane	U			0.000825	0.00278	1	03/31/2018 19:59	WG1092087
1,2,4-Trimethylbenzene	U			0.000235	0.00111	1	03/31/2018 19:59	WG1092087
1,2,3-Trimethylbenzene	U			0.000319	0.00111	1	03/31/2018 19:59	WG1092087
1,3,5-Trimethylbenzene	U			0.000296	0.00111	1	03/31/2018 19:59	WG1092087
Vinyl acetate	U			0.00266	0.0111	1	03/31/2018 19:59	WG1092087
Vinyl chloride	0.0869	J	J	0.0324	0.111	100	04/03/2018 17:38	WG1092087
Xylenes, Total	U			0.000777	0.00334	1	03/31/2018 19:59	WG1092087
(S) Toluene-d8	*110*				*80.0-120*		*04/03/2018 17:38*	WG1092087
(S) Toluene-d8	*96.2*				*80.0-120*		*03/31/2018 19:59*	WG1092087
(S) Dibromofluoromethane	*105*				*74.0-131*		*03/31/2018 19:59*	WG1092087
(S) Dibromofluoromethane	*102*				*74.0-131*		*04/03/2018 17:38*	WG1092087
(S) 4-Bromofluorobenzene	*95.5*				*64.0-132*		*03/31/2018 19:59*	WG1092087
(S) 4-Bromofluorobenzene	*101*				*64.0-132*		*04/03/2018 17:38*	WG1092087

JC 4/17/18

IW-51A-45

Collected date/time: 03/26/18 11:09

SAMPLE RESULTS - 10

L980958

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	89.8		1	04/02/2018 11:04	WG1092327

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg		Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U	UJ	J0 J3	0.0111	0.0557	1	03/31/2018 20:18	WG1092087
Acrylonitrile	U			0.00199	0.0111	1	03/31/2018 20:18	WG1092087
Benzene	U			0.000301	0.00111	1	03/31/2018 20:18	WG1092087
Bromobenzene	U			0.000316	0.00111	1	03/31/2018 20:18	WG1092087
Bromodichloromethane	U			0.000283	0.00111	1	03/31/2018 20:18	WG1092087
Bromochloromethane	U			0.000434	0.00557	1	03/31/2018 20:18	WG1092087
Bromoform	U			0.000472	0.00111	1	03/31/2018 20:18	WG1092087
Bromomethane	U		J4	0.00149	0.00557	1	03/31/2018 20:18	WG1092087
n-Butylbenzene	U			0.000287	0.00111	1	03/31/2018 20:18	WG1092087
sec-Butylbenzene	U			0.000224	0.00111	1	03/31/2018 20:18	WG1092087
tert-Butylbenzene	U			0.000229	0.00111	1	03/31/2018 20:18	WG1092087
Carbon disulfide	0.000486	J	J	0.000246	0.00111	1	03/31/2018 20:18	WG1092087
Carbon tetrachloride	U	UJ	J0	0.000365	0.00111	1	03/31/2018 20:18	WG1092087
Chlorobenzene	U			0.000236	0.00111	1	03/31/2018 20:18	WG1092087
Chlorodibromomethane	U			0.000415	0.00111	1	03/31/2018 20:18	WG1092087
Chloroethane	U			0.00105	0.00557	1	03/31/2018 20:18	WG1092087
Chloroform	U			0.000255	0.00557	1	03/31/2018 20:18	WG1092087
Chloromethane	U	UJ	J0	0.000418	0.00278	1	03/31/2018 20:18	WG1092087
2-Chlorotoluene	U			0.000335	0.00111	1	03/31/2018 20:18	WG1092087
4-Chlorotoluene	U			0.000267	0.00111	1	03/31/2018 20:18	WG1092087
1,2-Dibromo-3-Chloropropane	U			0.00117	0.00557	1	03/31/2018 20:18	WG1092087
1,2-Dibromoethane	U			0.000382	0.00111	1	03/31/2018 20:18	WG1092087
Dibromomethane	U			0.000425	0.00111	1	03/31/2018 20:18	WG1092087
1,2-Dichlorobenzene	U			0.000340	0.00111	1	03/31/2018 20:18	WG1092087
1,3-Dichlorobenzene	U			0.000266	0.00111	1	03/31/2018 20:18	WG1092087
1,4-Dichlorobenzene	U			0.000252	0.00111	1	03/31/2018 20:18	WG1092087
Dichlorodifluoromethane	U			0.000794	0.00557	1	03/31/2018 20:18	WG1092087
1,1-Dichloroethane	U			0.000222	0.00111	1	03/31/2018 20:18	WG1092087
1,2-Dichloroethane	U			0.000295	0.00111	1	03/31/2018 20:18	WG1092087
1,1-Dichloroethene	U			0.000337	0.00111	1	03/31/2018 20:18	WG1092087
cis-1,2-Dichloroethene	0.0456			0.000262	0.00111	1	04/03/2018 15:18	WG1092087
trans-1,2-Dichloroethene	U			0.000294	0.00111	1	03/31/2018 20:18	WG1092087
1,2-Dichloropropane	U			0.000399	0.00111	1	03/31/2018 20:18	WG1092087
1,1-Dichloropropene	U	UJ	J0	0.000353	0.00111	1	03/31/2018 20:18	WG1092087
1,3-Dichloropropane	U			0.000231	0.00111	1	03/31/2018 20:18	WG1092087
cis-1,3-Dichloropropene	U			0.000292	0.00111	1	03/31/2018 20:18	WG1092087
trans-1,3-Dichloropropene	U			0.000297	0.00111	1	03/31/2018 20:18	WG1092087
trans-1,4-Dichloro-2-butene	U			0.000866	0.00278	1	03/31/2018 20:18	WG1092087
2,2-Dichloropropane	U	UJ	J0	0.000311	0.00111	1	03/31/2018 20:18	WG1092087
Di-isopropyl ether	U			0.000276	0.00111	1	03/31/2018 20:18	WG1092087
Ethylbenzene	U			0.000331	0.00111	1	03/31/2018 20:18	WG1092087
Hexachloro-1,3-butadiene	U		J3	0.000381	0.00111	1	03/31/2018 20:18	WG1092087
2-Hexanone	U			0.00153	0.0111	1	03/31/2018 20:18	WG1092087
n-Hexane	U	UJ	J0	0.000323	0.0111	1	03/31/2018 20:18	WG1092087
Iodomethane	U		J4	0.00282	0.0111	1	03/31/2018 20:18	WG1092087
Isopropylbenzene	U	UJ	J0	0.000271	0.00111	1	03/31/2018 20:18	WG1092087
p-Isopropyltoluene	U			0.000227	0.00111	1	03/31/2018 20:18	WG1092087
2-Butanone (MEK)	U	UJ	J0	0.00521	0.0111	1	03/31/2018 20:18	WG1092087
Methylene Chloride	U		J4	0.00111	0.00557	1	03/31/2018 20:18	WG1092087
4-Methyl-2-pentanone (MIBK)	U			0.00209	0.0111	1	03/31/2018 20:18	WG1092087

JC 4/17/18

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U	J4	0.000236	0.00111	1	03/31/2018 20:18	WG1092087
Naphthalene	U		0.00111	0.00557	1	03/31/2018 20:18	WG1092087
n-Propylbenzene	U		0.000229	0.00111	1	03/31/2018 20:18	WG1092087
Styrene	U		0.000261	0.00111	1	03/31/2018 20:18	WG1092087
1,1,1,2-Tetrachloroethane	U		0.000294	0.00111	1	03/31/2018 20:18	WG1092087
1,1,2,2-Tetrachloroethane	U		0.000406	0.00111	1	03/31/2018 20:18	WG1092087
1,1,2-Trichlorotrifluoroethane	U		0.000406	0.00111	1	03/31/2018 20:18	WG1092087
Tetrachloroethene	0.125		0.000307	0.00111	1	04/03/2018 15:18	WG1092087
Toluene	U		0.000483	0.00557	1	03/31/2018 20:18	WG1092087
1,2,3-Trichlorobenzene	U		0.000341	0.00111	1	03/31/2018 20:18	WG1092087
1,2,4-Trichlorobenzene	U		0.000432	0.00111	1	03/31/2018 20:18	WG1092087
1,1,1-Trichloroethane	U		0.000318	0.00111	1	03/31/2018 20:18	WG1092087
1,1,2-Trichloroethane	U		0.000308	0.00111	1	03/31/2018 20:18	WG1092087
Trichloroethene	U		0.000311	0.00111	1	03/31/2018 20:18	WG1092087
Trichlorofluoromethane	U		0.000425	0.00557	1	03/31/2018 20:18	WG1092087
1,2,3-Trichloropropane	U		0.000825	0.00278	1	03/31/2018 20:18	WG1092087
1,2,4-Trimethylbenzene	U		0.000235	0.00111	1	03/31/2018 20:18	WG1092087
1,2,3-Trimethylbenzene	U		0.000320	0.00111	1	03/31/2018 20:18	WG1092087
1,3,5-Trimethylbenzene	U		0.000296	0.00111	1	03/31/2018 20:18	WG1092087
Vinyl acetate	U		0.00266	0.0111	1	03/31/2018 20:18	WG1092087
Vinyl chloride	0.0448		0.000324	0.00111	1	03/31/2018 20:18	WG1092087
Xylenes, Total	U		0.000777	0.00334	1	03/31/2018 20:18	WG1092087
(S) Toluene-d8	*99.3*			*80.0-120*		*03/31/2018 20:18*	WG1092087
(S) Toluene-d8	*100*			*80.0-120*		*04/03/2018 15:18*	WG1092087
(S) Dibromofluoromethane	*109*			*74.0-131*		*03/31/2018 20:18*	WG1092087
(S) Dibromofluoromethane	*111*			*74.0-131*		*04/03/2018 15:18*	WG1092087
(S) 4-Bromofluorobenzene	*103*			*64.0-132*		*04/03/2018 15:18*	WG1092087
(S) 4-Bromofluorobenzene	*94.3*			*64.0-132*		*03/31/2018 20:18*	WG1092087

JC 4/17/18

ANALYTICAL REPORT

April 06, 2018

PES Environmental, Inc.- WA

Sample Delivery Group:	L981889
Samples Received:	03/30/2018
Project Number:	1413.001.05.601
Description:	American Linen Project
Report To:	Brian O'Neal/Bill Haldeman 1215 Fourth Ave., Suite 1350 Seattle, WA 98161

Entire Report Reviewed By: Brian Ford

Brian Ford
Technical Service Representative

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

SAMPLE SUMMARY

B-244-5 L981889-01 Solid

Collected by	Collected date/time	Received date/time
DJ/RM	03/28/18 09:19	03/30/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1093163	1	04/04/18 14:33	04/04/18 14:42	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1092116	1	03/28/18 09:19	03/31/18 20:25	DWR

B-244-10 L981889-02 Solid

Collected by	Collected date/time	Received date/time
DJ/RM	03/28/18 09:46	03/30/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1093163	1	04/04/18 14:33	04/04/18 14:42	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1092116	1	03/28/18 09:46	03/31/18 20:46	DWR

B-244-15 L981889-03 Solid

Collected by	Collected date/time	Received date/time
DJ/RM	03/28/18 09:54	03/30/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1093163	1	04/04/18 14:33	04/04/18 14:42	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1092116	1	03/28/18 09:54	03/31/18 21:07	DWR

B-244-20 L981889-04 Solid

Collected by	Collected date/time	Received date/time
DJ/RM	03/28/18 10:03	03/30/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1093163	1	04/04/18 14:33	04/04/18 14:42	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1092116	1	03/28/18 10:03	03/31/18 21:29	DWR

B-244-25 L981889-05 Solid

Collected by	Collected date/time	Received date/time
DJ/RM	03/28/18 10:11	03/30/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1093163	1	04/04/18 14:33	04/04/18 14:42	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1092116	1	03/28/18 10:11	03/31/18 21:50	DWR

B-244-30 L981889-06 Solid

Collected by	Collected date/time	Received date/time
DJ/RM	03/28/18 10:32	03/30/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1093163	1	04/04/18 14:33	04/04/18 14:42	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1092116	1	03/28/18 10:32	03/31/18 22:11	DWR

B-244-35 L981889-07 Solid

Collected by	Collected date/time	Received date/time
DJ/RM	03/28/18 10:41	03/30/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1093163	1	04/04/18 14:33	04/04/18 14:42	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1092116	1	03/28/18 10:41	03/31/18 22:32	DWR

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

B-244-40 L981889-08 Solid

Collected by	Collected date/time	Received date/time
DJ/RM	03/28/18 10:49	03/30/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1093163	1	04/04/18 14:33	04/04/18 14:42	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1092116	1	03/28/18 10:49	03/31/18 22:53	DWR
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1092116	25	03/28/18 10:49	04/06/18 00:44	LRL

B-244-42 L981889-09 Solid

Collected by	Collected date/time	Received date/time
DJ/RM	03/28/18 10:55	03/30/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1093165	1	04/04/18 14:17	04/04/18 14:27	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1092116	25	03/28/18 10:55	04/01/18 01:19	DWR

B-244-45 L981889-10 Solid

Collected by	Collected date/time	Received date/time
DJ/RM	03/28/18 11:02	03/30/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1093165	1	04/04/18 14:17	04/04/18 14:27	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1092116	1	03/28/18 11:02	03/31/18 23:13	DWR
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1092116	200	03/28/18 11:02	04/06/18 14:19	LRL
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1092116	50	03/28/18 11:02	04/06/18 01:05	LRL

B-244-50 L981889-11 Solid

Collected by	Collected date/time	Received date/time
DJ/RM	03/28/18 11:14	03/30/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1093165	1	04/04/18 14:17	04/04/18 14:27	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1092116	1	03/28/18 11:14	03/31/18 23:34	DWR
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1092116	50	03/28/18 11:14	04/06/18 01:26	LRL

B-244-55 L981889-12 Solid

Collected by	Collected date/time	Received date/time
DJ/RM	03/28/18 11:21	03/30/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1093165	1	04/04/18 14:17	04/04/18 14:27	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1092116	1	03/28/18 11:21	03/31/18 23:55	DWR
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1092116	1000	03/28/18 11:21	04/06/18 14:58	LRL

B-244-60 L981889-13 Solid

Collected by	Collected date/time	Received date/time
DJ/RM	03/28/18 11:32	03/30/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1093165	1	04/04/18 14:17	04/04/18 14:27	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1092116	1	03/28/18 11:32	04/01/18 00:16	DWR
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1092116	200	03/28/18 11:32	04/06/18 14:00	LRL

B-244-65 L981889-14 Solid

Collected by	Collected date/time	Received date/time
DJ/RM	03/28/18 11:51	03/30/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1093165	1	04/04/18 14:17	04/04/18 14:27	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1092116	1	03/28/18 11:51	04/01/18 00:37	DWR
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1092116	56.5	03/28/18 11:51	04/06/18 02:30	LRL

B-244-70 L981889-15 Solid

Collected by	Collected date/time	Received date/time
DJ/RM	03/28/18 12:50	03/30/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1093165	1	04/04/18 14:17	04/04/18 14:27	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1092116	1	03/28/18 12:50	04/01/18 00:58	DWR
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1092116	1000	03/28/18 12:50	04/06/18 14:39	LRL

B-244-75 L981889-16 Solid

Collected by	Collected date/time	Received date/time
DJ/RM	03/28/18 13:05	03/30/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1093165	1	04/04/18 14:17	04/04/18 14:27	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1092315	1	03/28/18 13:05	04/02/18 01:40	BMB
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1092315	50	03/28/18 13:05	04/06/18 04:15	LRL

B-244-80 L981889-17 Solid

Collected by	Collected date/time	Received date/time
DJ/RM	03/28/18 13:13	03/30/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1093165	1	04/04/18 14:17	04/04/18 14:27	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1092315	1	03/28/18 13:13	04/02/18 02:01	BMB
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1092315	1	03/28/18 13:13	04/06/18 04:37	LRL

IW-907-70 L981889-18 Solid

Collected by	Collected date/time	Received date/time
DJ/RM	03/28/18 11:45	03/30/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1093165	1	04/04/18 14:17	04/04/18 14:27	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1092315	1	03/28/18 11:45	04/02/18 02:22	BMB
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1092315	200	03/28/18 11:45	04/06/18 04:58	LRL

TRIPBLANK L981889-19 GW

Collected by	Collected date/time	Received date/time
DJ/RM	03/28/18 00:00	03/30/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1092115	1	03/31/18 18:26	03/31/18 18:26	LRL

B-245-5 L981889-20 Solid

Collected by	Collected date/time	Received date/time
DJ/RM	03/28/18 15:26	03/30/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1093167	1	04/04/18 14:06	04/04/18 14:15	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1092315	1	03/28/18 15:26	04/02/18 02:43	BMB
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1092315	1	03/28/18 15:26	04/06/18 05:19	LRL

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

B-245-10 L981889-21 Solid

Collected by	Collected date/time	Received date/time
DJ/RM	03/28/18 15:45	03/30/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1093167	1	04/04/18 14:06	04/04/18 14:15	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1092315	1	03/28/18 15:45	04/02/18 03:04	BMB
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1092315	1	03/28/18 15:45	04/06/18 05:40	LRL

B-245-15 L981889-22 Solid

Collected by	Collected date/time	Received date/time
DJ/RM	03/28/18 15:55	03/30/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1093167	1	04/04/18 14:06	04/04/18 14:15	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1092315	1	03/28/18 15:55	04/06/18 06:01	LRL

B-245-20 L981889-23 Solid

Collected by	Collected date/time	Received date/time
DJ/RM	03/28/18 16:03	03/30/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1093167	1	04/04/18 14:06	04/04/18 14:15	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1092315	1	03/28/18 16:03	04/02/18 03:46	BMB

B-245-25 L981889-24 Solid

Collected by	Collected date/time	Received date/time
DJ/RM	03/28/18 16:13	03/30/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1093167	1	04/04/18 14:06	04/04/18 14:15	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1092315	1	03/28/18 16:13	04/02/18 04:07	BMB

B-245-30 L981889-25 Solid

Collected by	Collected date/time	Received date/time
DJ/RM	03/29/18 08:13	03/30/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1093167	1	04/04/18 14:06	04/04/18 14:15	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1092315	1.55	03/29/18 08:13	04/02/18 04:28	BMB
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1092315	250	03/29/18 08:13	04/06/18 06:22	LRL

B-245-35 L981889-26 Solid

Collected by	Collected date/time	Received date/time
DJ/RM	03/29/18 08:37	03/30/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1093167	1	04/04/18 14:06	04/04/18 14:15	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1092315	1	03/29/18 08:37	04/02/18 05:22	BMB

B-245-40 L981889-27 Solid

Collected by	Collected date/time	Received date/time
DJ/RM	03/29/18 08:43	03/30/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1093167	1	04/04/18 14:06	04/04/18 14:15	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1092315	1	03/29/18 08:43	04/02/18 05:43	BMB

Collected by	Collected date/time	Received date/time
DJ/RM	03/29/18 09:05	03/30/18 08:45

B-245-45 L981889-28 Solid

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1093167	1	04/04/18 14:06	04/04/18 14:15	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1092315	1	03/29/18 09:05	04/02/18 06:05	BMB

Collected by	Collected date/time	Received date/time
DJ/RM	03/29/18 09:14	03/30/18 08:45

B-245-50 L981889-29 Solid

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1093167	1	04/04/18 14:06	04/04/18 14:15	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1092315	1	03/29/18 09:14	04/06/18 06:44	LRL

Collected by	Collected date/time	Received date/time
DJ/RM	03/29/18 09:23	03/30/18 08:45

B-245-55 L981889-30 Solid

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1093168	1	04/04/18 13:36	04/04/18 13:45	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1092315	1	03/29/18 09:23	04/02/18 06:47	BMB

Collected by	Collected date/time	Received date/time
DJ/RM	03/29/18 09:34	03/30/18 08:45

B-245-60 L981889-31 Solid

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1093168	1	04/04/18 13:36	04/04/18 13:45	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1092315	1	03/29/18 09:34	04/02/18 07:08	BMB

Collected by	Collected date/time	Received date/time
DJ/RM	03/29/18 09:42	03/30/18 08:45

B-245-65 L981889-32 Solid

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1093168	1	04/04/18 13:36	04/04/18 13:45	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1092315	1	03/29/18 09:42	04/02/18 07:29	BMB

Collected by	Collected date/time	Received date/time
DJ/RM	03/29/18 10:08	03/30/18 08:45

B-245-70 L981889-33 Solid

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1093168	1	04/04/18 13:36	04/04/18 13:45	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1092317	1	03/29/18 10:08	04/01/18 23:39	DWR

Collected by	Collected date/time	Received date/time
DJ/RM	03/29/18 10:15	03/30/18 08:45

B-245-75 L981889-34 Solid

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1093168	1	04/04/18 13:36	04/04/18 13:45	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1092317	1	03/29/18 10:15	04/01/18 23:59	DWR

B-245-80 L981889-35 Solid

Collected by	Collected date/time	Received date/time
DJ/RM	03/29/18 10:27	03/30/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1093168	1	04/04/18 13:36	04/04/18 13:45	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1092317	1	03/29/18 10:27	04/02/18 00:18	DWR

MW-153-10 L981889-36 Solid

Collected by	Collected date/time	Received date/time
DJ/RM	03/27/18 10:45	03/30/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1093168	1	04/04/18 13:36	04/04/18 13:45	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1092317	1	03/27/18 10:45	04/02/18 00:38	DWR

MW-153-20 L981889-37 Solid

Collected by	Collected date/time	Received date/time
DJ/RM	03/27/18 11:20	03/30/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1093168	1	04/04/18 13:36	04/04/18 13:45	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1092317	1	03/27/18 11:20	04/02/18 00:58	DWR

MW-153-30 L981889-38 Solid

Collected by	Collected date/time	Received date/time
DJ/RM	03/27/18 11:45	03/30/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1093168	1	04/04/18 13:36	04/04/18 13:45	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1092317	1	03/27/18 11:45	04/02/18 01:17	DWR

MW-153-40 L981889-39 Solid

Collected by	Collected date/time	Received date/time
DJ/RM	03/27/18 12:05	03/30/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1093168	1	04/04/18 13:36	04/04/18 13:45	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1092317	1	03/27/18 12:05	04/02/18 01:37	DWR

MW-153-50 L981889-40 Solid

Collected by	Collected date/time	Received date/time
DJ/RM	03/27/18 12:35	03/30/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1093170	1	04/04/18 13:20	04/04/18 13:30	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1092317	1	03/27/18 12:35	04/02/18 01:57	DWR

MW-153-61 L981889-41 Solid

Collected by	Collected date/time	Received date/time
DJ/RM	03/27/18 13:15	03/30/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1093170	1	04/04/18 13:20	04/04/18 13:30	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1092317	1	03/27/18 13:15	04/02/18 02:16	DWR

MW-153-70 L981889-42 Solid

Collected by	Collected date/time	Received date/time
DJ/RM	03/27/18 13:40	03/30/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1093170	1	04/04/18 13:20	04/04/18 13:30	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1092317	1	03/27/18 13:40	04/02/18 02:36	DWR

MW-153-80 L981889-43 Solid

Collected by	Collected date/time	Received date/time
DJ/RM	03/28/18 11:10	03/30/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1093170	1	04/04/18 13:20	04/04/18 13:30	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1092317	1	03/28/18 11:10	04/02/18 02:55	DWR

MW-153-90 L981889-44 Solid

Collected by	Collected date/time	Received date/time
DJ/RM	03/28/18 11:35	03/30/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1093170	1	04/04/18 13:20	04/04/18 13:30	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1092317	1	03/28/18 11:35	04/02/18 03:15	DWR

MW-153-110 L981889-45 Solid

Collected by	Collected date/time	Received date/time
DJ/RM	03/28/18 12:57	03/30/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1093170	1	04/04/18 13:20	04/04/18 13:30	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1092317	1	03/28/18 12:57	04/02/18 03:34	DWR

MW-153-130 L981889-46 Solid

Collected by	Collected date/time	Received date/time
DJ/RM	03/29/18 10:19	03/30/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1093170	1	04/04/18 13:20	04/04/18 13:30	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1092317	1	03/29/18 10:19	04/02/18 03:54	DWR

TRIPBLANK L981889-47 GW

Collected by	Collected date/time	Received date/time
DJ/RM	03/29/18 00:00	03/30/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1092115	1	03/31/18 18:45	03/31/18 18:45	LRL

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All radiochemical sample results for solids are reported on a dry weight basis with the exception of tritium, carbon-14 and radon, unless wet weight was requested by the client. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Brian Ford

Brian Ford
Technical Service Representative

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	79.2		1	04/04/2018 14:42	WG1093163

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.125	J3	0.0126	0.0631	1	03/31/2018 20:25	WG1092116
Acrylonitrile	U		0.00226	0.0126	1	03/31/2018 20:25	WG1092116
Benzene	0.00411		0.000341	0.00126	1	03/31/2018 20:25	WG1092116
Bromobenzene	U		0.000358	0.00126	1	03/31/2018 20:25	WG1092116
Bromodichloromethane	U		0.000321	0.00126	1	03/31/2018 20:25	WG1092116
Bromochloromethane	U		0.000492	0.00631	1	03/31/2018 20:25	WG1092116
Bromoform	U		0.000535	0.00126	1	03/31/2018 20:25	WG1092116
Bromomethane	U	J3	0.00169	0.00631	1	03/31/2018 20:25	WG1092116
n-Butylbenzene	U	J3	0.000326	0.00126	1	03/31/2018 20:25	WG1092116
sec-Butylbenzene	U	J3	0.000254	0.00126	1	03/31/2018 20:25	WG1092116
tert-Butylbenzene	U	J3	0.000260	0.00126	1	03/31/2018 20:25	WG1092116
Carbon disulfide	0.00929	J3	0.000279	0.00126	1	03/31/2018 20:25	WG1092116
Carbon tetrachloride	U	J3	0.000414	0.00126	1	03/31/2018 20:25	WG1092116
Chlorobenzene	U		0.000268	0.00126	1	03/31/2018 20:25	WG1092116
Chlorodibromomethane	U		0.000471	0.00126	1	03/31/2018 20:25	WG1092116
Chloroethane	U	J3	0.00119	0.00631	1	03/31/2018 20:25	WG1092116
Chloroform	U		0.000289	0.00631	1	03/31/2018 20:25	WG1092116
Chloromethane	U	J3	0.000473	0.00316	1	03/31/2018 20:25	WG1092116
2-Chlorotoluene	U		0.000380	0.00126	1	03/31/2018 20:25	WG1092116
4-Chlorotoluene	U		0.000303	0.00126	1	03/31/2018 20:25	WG1092116
1,2-Dibromo-3-Chloropropane	U		0.00133	0.00631	1	03/31/2018 20:25	WG1092116
1,2-Dibromoethane	U		0.000433	0.00126	1	03/31/2018 20:25	WG1092116
Dibromomethane	U		0.000482	0.00126	1	03/31/2018 20:25	WG1092116
1,2-Dichlorobenzene	U		0.000385	0.00126	1	03/31/2018 20:25	WG1092116
1,3-Dichlorobenzene	U		0.000302	0.00126	1	03/31/2018 20:25	WG1092116
1,4-Dichlorobenzene	U		0.000285	0.00126	1	03/31/2018 20:25	WG1092116
Dichlorodifluoromethane	U	J3	0.000900	0.00631	1	03/31/2018 20:25	WG1092116
1,1-Dichloroethane	U		0.000251	0.00126	1	03/31/2018 20:25	WG1092116
1,2-Dichloroethane	U		0.000334	0.00126	1	03/31/2018 20:25	WG1092116
1,1-Dichloroethene	U	J3	0.000382	0.00126	1	03/31/2018 20:25	WG1092116
cis-1,2-Dichloroethene	0.00740		0.000297	0.00126	1	03/31/2018 20:25	WG1092116
trans-1,2-Dichloroethene	U	J3	0.000333	0.00126	1	03/31/2018 20:25	WG1092116
1,2-Dichloropropane	U		0.000452	0.00126	1	03/31/2018 20:25	WG1092116
1,1-Dichloropropene	U		0.000400	0.00126	1	03/31/2018 20:25	WG1092116
1,3-Dichloropropane	U		0.000261	0.00126	1	03/31/2018 20:25	WG1092116
cis-1,3-Dichloropropene	U		0.000331	0.00126	1	03/31/2018 20:25	WG1092116
trans-1,3-Dichloropropene	U		0.000337	0.00126	1	03/31/2018 20:25	WG1092116
trans-1,4-Dichloro-2-butene	U		0.000982	0.00316	1	03/31/2018 20:25	WG1092116
2,2-Dichloropropane	U	J3	0.000352	0.00126	1	03/31/2018 20:25	WG1092116
Di-isopropyl ether	U		0.000313	0.00126	1	03/31/2018 20:25	WG1092116
Ethylbenzene	U	J3	0.000375	0.00126	1	03/31/2018 20:25	WG1092116
Hexachloro-1,3-butadiene	U	J3	0.000432	0.00126	1	03/31/2018 20:25	WG1092116
2-Hexanone	0.0102	J	0.00173	0.0126	1	03/31/2018 20:25	WG1092116
n-Hexane	U	J3	0.000366	0.0126	1	03/31/2018 20:25	WG1092116
Iodomethane	U	J3	0.00319	0.0126	1	03/31/2018 20:25	WG1092116
Isopropylbenzene	U		0.000307	0.00126	1	03/31/2018 20:25	WG1092116
p-Isopropyltoluene	U	J3	0.000257	0.00126	1	03/31/2018 20:25	WG1092116
2-Butanone (MEK)	0.0320	J0 J3	0.00591	0.0126	1	03/31/2018 20:25	WG1092116
Methylene Chloride	U		0.00126	0.00631	1	03/31/2018 20:25	WG1092116
4-Methyl-2-pentanone (MIBK)	0.00267	J	0.00237	0.0126	1	03/31/2018 20:25	WG1092116

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000268	0.00126	1	03/31/2018 20:25	WG1092116
Naphthalene	U		0.00126	0.00631	1	03/31/2018 20:25	WG1092116
n-Propylbenzene	U		0.000260	0.00126	1	03/31/2018 20:25	WG1092116
Styrene	U		0.000295	0.00126	1	03/31/2018 20:25	WG1092116
1,1,1,2-Tetrachloroethane	U		0.000333	0.00126	1	03/31/2018 20:25	WG1092116
1,1,2,2-Tetrachloroethane	U		0.000461	0.00126	1	03/31/2018 20:25	WG1092116
1,1,2-Trichlorotrifluoroethane	U	J3	0.000461	0.00126	1	03/31/2018 20:25	WG1092116
Tetrachloroethene	0.0205	J3	0.000348	0.00126	1	03/31/2018 20:25	WG1092116
Toluene	0.00127	J	0.000548	0.00631	1	03/31/2018 20:25	WG1092116
1,2,3-Trichlorobenzene	U		0.000386	0.00126	1	03/31/2018 20:25	WG1092116
1,2,4-Trichlorobenzene	U		0.000490	0.00126	1	03/31/2018 20:25	WG1092116
1,1,1-Trichloroethane	U	J3	0.000361	0.00126	1	03/31/2018 20:25	WG1092116
1,1,2-Trichloroethane	U		0.000350	0.00126	1	03/31/2018 20:25	WG1092116
Trichloroethene	0.00511	J4	0.000352	0.00126	1	03/31/2018 20:25	WG1092116
Trichlorofluoromethane	U	J3	0.000482	0.00631	1	03/31/2018 20:25	WG1092116
1,2,3-Trichloropropane	U		0.000935	0.00316	1	03/31/2018 20:25	WG1092116
1,2,4-Trimethylbenzene	0.000583	J	0.000266	0.00126	1	03/31/2018 20:25	WG1092116
1,2,3-Trimethylbenzene	U		0.000362	0.00126	1	03/31/2018 20:25	WG1092116
1,3,5-Trimethylbenzene	U		0.000336	0.00126	1	03/31/2018 20:25	WG1092116
Vinyl acetate	U	J3	0.00302	0.0126	1	03/31/2018 20:25	WG1092116
Vinyl chloride	0.00137	J3	0.000367	0.00126	1	03/31/2018 20:25	WG1092116
Xylenes, Total	0.00133	J J3	0.000881	0.00379	1	03/31/2018 20:25	WG1092116
(S) Toluene-d8	*98.5*			*80.0-120*		*03/31/2018 20:25*	WG1092116
(S) Dibromofluoromethane	*110*			*74.0-131*		*03/31/2018 20:25*	WG1092116
(S) 4-Bromofluorobenzene	*118*			*64.0-132*		*03/31/2018 20:25*	WG1092116

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	83.9		1	04/04/2018 14:42	WG1093163

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.0308	J J3	0.0119	0.0596	1	03/31/2018 20:46	WG1092116
Acrylonitrile	U		0.00213	0.0119	1	03/31/2018 20:46	WG1092116
Benzene	0.000911	J	0.000322	0.00119	1	03/31/2018 20:46	WG1092116
Bromobenzene	U		0.000338	0.00119	1	03/31/2018 20:46	WG1092116
Bromodichloromethane	U		0.000303	0.00119	1	03/31/2018 20:46	WG1092116
Bromochloromethane	U		0.000465	0.00596	1	03/31/2018 20:46	WG1092116
Bromoform	U		0.000505	0.00119	1	03/31/2018 20:46	WG1092116
Bromomethane	U	J3	0.00160	0.00596	1	03/31/2018 20:46	WG1092116
n-Butylbenzene	U	J3	0.000307	0.00119	1	03/31/2018 20:46	WG1092116
sec-Butylbenzene	U	J3	0.000239	0.00119	1	03/31/2018 20:46	WG1092116
tert-Butylbenzene	U	J3	0.000245	0.00119	1	03/31/2018 20:46	WG1092116
Carbon disulfide	0.00132	J3	0.000263	0.00119	1	03/31/2018 20:46	WG1092116
Carbon tetrachloride	U	J3	0.000391	0.00119	1	03/31/2018 20:46	WG1092116
Chlorobenzene	U		0.000253	0.00119	1	03/31/2018 20:46	WG1092116
Chlorodibromomethane	U		0.000444	0.00119	1	03/31/2018 20:46	WG1092116
Chloroethane	U	J3	0.00113	0.00596	1	03/31/2018 20:46	WG1092116
Chloroform	U		0.000273	0.00596	1	03/31/2018 20:46	WG1092116
Chloromethane	U	J3	0.000447	0.00298	1	03/31/2018 20:46	WG1092116
2-Chlorotoluene	U		0.000359	0.00119	1	03/31/2018 20:46	WG1092116
4-Chlorotoluene	U		0.000286	0.00119	1	03/31/2018 20:46	WG1092116
1,2-Dibromo-3-Chloropropane	U		0.00125	0.00596	1	03/31/2018 20:46	WG1092116
1,2-Dibromoethane	U		0.000409	0.00119	1	03/31/2018 20:46	WG1092116
Dibromomethane	U		0.000455	0.00119	1	03/31/2018 20:46	WG1092116
1,2-Dichlorobenzene	U		0.000363	0.00119	1	03/31/2018 20:46	WG1092116
1,3-Dichlorobenzene	U		0.000285	0.00119	1	03/31/2018 20:46	WG1092116
1,4-Dichlorobenzene	U		0.000269	0.00119	1	03/31/2018 20:46	WG1092116
Dichlorodifluoromethane	U	J3	0.000850	0.00596	1	03/31/2018 20:46	WG1092116
1,1-Dichloroethane	U		0.000237	0.00119	1	03/31/2018 20:46	WG1092116
1,2-Dichloroethane	U		0.000316	0.00119	1	03/31/2018 20:46	WG1092116
1,1-Dichloroethene	U	J3	0.000361	0.00119	1	03/31/2018 20:46	WG1092116
cis-1,2-Dichloroethene	0.00128		0.000280	0.00119	1	03/31/2018 20:46	WG1092116
trans-1,2-Dichloroethene	U	J3	0.000315	0.00119	1	03/31/2018 20:46	WG1092116
1,2-Dichloropropane	U		0.000427	0.00119	1	03/31/2018 20:46	WG1092116
1,1-Dichloropropene	U		0.000378	0.00119	1	03/31/2018 20:46	WG1092116
1,3-Dichloropropane	U		0.000247	0.00119	1	03/31/2018 20:46	WG1092116
cis-1,3-Dichloropropene	U		0.000312	0.00119	1	03/31/2018 20:46	WG1092116
trans-1,3-Dichloropropene	U		0.000318	0.00119	1	03/31/2018 20:46	WG1092116
trans-1,4-Dichloro-2-butene	U		0.000927	0.00298	1	03/31/2018 20:46	WG1092116
2,2-Dichloropropane	U	J3	0.000332	0.00119	1	03/31/2018 20:46	WG1092116
Di-isopropyl ether	U		0.000295	0.00119	1	03/31/2018 20:46	WG1092116
Ethylbenzene	U	J3	0.000354	0.00119	1	03/31/2018 20:46	WG1092116
Hexachloro-1,3-butadiene	U	J3	0.000407	0.00119	1	03/31/2018 20:46	WG1092116
2-Hexanone	U		0.00163	0.0119	1	03/31/2018 20:46	WG1092116
n-Hexane	U	J3	0.000346	0.0119	1	03/31/2018 20:46	WG1092116
Iodomethane	U	J3	0.00301	0.0119	1	03/31/2018 20:46	WG1092116
Isopropylbenzene	U		0.000290	0.00119	1	03/31/2018 20:46	WG1092116
p-Isopropyltoluene	U	J3	0.000243	0.00119	1	03/31/2018 20:46	WG1092116
2-Butanone (MEK)	0.00628	J J0 J3	0.00558	0.0119	1	03/31/2018 20:46	WG1092116
Methylene Chloride	U		0.00119	0.00596	1	03/31/2018 20:46	WG1092116
4-Methyl-2-pentanone (MIBK)	U		0.00224	0.0119	1	03/31/2018 20:46	WG1092116

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000253	0.00119	1	03/31/2018 20:46	WG1092116
Naphthalene	U		0.00119	0.00596	1	03/31/2018 20:46	WG1092116
n-Propylbenzene	U		0.000245	0.00119	1	03/31/2018 20:46	WG1092116
Styrene	U		0.000279	0.00119	1	03/31/2018 20:46	WG1092116
1,1,1,2-Tetrachloroethane	U		0.000315	0.00119	1	03/31/2018 20:46	WG1092116
1,1,2,2-Tetrachloroethane	U		0.000435	0.00119	1	03/31/2018 20:46	WG1092116
1,1,2-Trichlorotrifluoroethane	U	J3	0.000435	0.00119	1	03/31/2018 20:46	WG1092116
Tetrachloroethene	0.00727	J3	0.000329	0.00119	1	03/31/2018 20:46	WG1092116
Toluene	0.000594	J	0.000517	0.00596	1	03/31/2018 20:46	WG1092116
1,2,3-Trichlorobenzene	U		0.000365	0.00119	1	03/31/2018 20:46	WG1092116
1,2,4-Trichlorobenzene	U		0.000462	0.00119	1	03/31/2018 20:46	WG1092116
1,1,1-Trichloroethane	U	J3	0.000341	0.00119	1	03/31/2018 20:46	WG1092116
1,1,2-Trichloroethane	U		0.000330	0.00119	1	03/31/2018 20:46	WG1092116
Trichloroethene	0.000767	J J4	0.000332	0.00119	1	03/31/2018 20:46	WG1092116
Trichlorofluoromethane	U	J3	0.000455	0.00596	1	03/31/2018 20:46	WG1092116
1,2,3-Trichloropropane	U		0.000883	0.00298	1	03/31/2018 20:46	WG1092116
1,2,4-Trimethylbenzene	U		0.000251	0.00119	1	03/31/2018 20:46	WG1092116
1,2,3-Trimethylbenzene	U		0.000342	0.00119	1	03/31/2018 20:46	WG1092116
1,3,5-Trimethylbenzene	U		0.000317	0.00119	1	03/31/2018 20:46	WG1092116
Vinyl acetate	U	J3	0.00285	0.0119	1	03/31/2018 20:46	WG1092116
Vinyl chloride	0.000526	J J3	0.000347	0.00119	1	03/31/2018 20:46	WG1092116
Xylenes, Total	U	J3	0.000832	0.00357	1	03/31/2018 20:46	WG1092116
(S) Toluene-d8	*102*			*80.0-120*		*03/31/2018 20:46*	WG1092116
(S) Dibromofluoromethane	*107*			*74.0-131*		*03/31/2018 20:46*	WG1092116
(S) 4-Bromofluorobenzene	*105*			*64.0-132*		*03/31/2018 20:46*	WG1092116

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	87.6		1	04/04/2018 14:42	WG1093163

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.0138	J J3	0.0114	0.0570	1	03/31/2018 21:07	WG1092116
Acrylonitrile	U		0.00204	0.0114	1	03/31/2018 21:07	WG1092116
Benzene	U		0.000308	0.00114	1	03/31/2018 21:07	WG1092116
Bromobenzene	U		0.000324	0.00114	1	03/31/2018 21:07	WG1092116
Bromodichloromethane	U		0.000290	0.00114	1	03/31/2018 21:07	WG1092116
Bromochloromethane	U		0.000445	0.00570	1	03/31/2018 21:07	WG1092116
Bromoform	U		0.000484	0.00114	1	03/31/2018 21:07	WG1092116
Bromomethane	U	J3	0.00153	0.00570	1	03/31/2018 21:07	WG1092116
n-Butylbenzene	U	J3	0.000294	0.00114	1	03/31/2018 21:07	WG1092116
sec-Butylbenzene	U	J3	0.000229	0.00114	1	03/31/2018 21:07	WG1092116
tert-Butylbenzene	U	J3	0.000235	0.00114	1	03/31/2018 21:07	WG1092116
Carbon disulfide	0.00161	J3	0.000252	0.00114	1	03/31/2018 21:07	WG1092116
Carbon tetrachloride	U	J3	0.000374	0.00114	1	03/31/2018 21:07	WG1092116
Chlorobenzene	U		0.000242	0.00114	1	03/31/2018 21:07	WG1092116
Chlorodibromomethane	U		0.000426	0.00114	1	03/31/2018 21:07	WG1092116
Chloroethane	U	J3	0.00108	0.00570	1	03/31/2018 21:07	WG1092116
Chloroform	U		0.000261	0.00570	1	03/31/2018 21:07	WG1092116
Chloromethane	U	J3	0.000428	0.00285	1	03/31/2018 21:07	WG1092116
2-Chlorotoluene	U		0.000343	0.00114	1	03/31/2018 21:07	WG1092116
4-Chlorotoluene	U		0.000274	0.00114	1	03/31/2018 21:07	WG1092116
1,2-Dibromo-3-Chloropropane	U		0.00120	0.00570	1	03/31/2018 21:07	WG1092116
1,2-Dibromoethane	U		0.000391	0.00114	1	03/31/2018 21:07	WG1092116
Dibromomethane	U		0.000436	0.00114	1	03/31/2018 21:07	WG1092116
1,2-Dichlorobenzene	U		0.000348	0.00114	1	03/31/2018 21:07	WG1092116
1,3-Dichlorobenzene	U		0.000273	0.00114	1	03/31/2018 21:07	WG1092116
1,4-Dichlorobenzene	U		0.000258	0.00114	1	03/31/2018 21:07	WG1092116
Dichlorodifluoromethane	U	J3	0.000814	0.00570	1	03/31/2018 21:07	WG1092116
1,1-Dichloroethane	U		0.000227	0.00114	1	03/31/2018 21:07	WG1092116
1,2-Dichloroethane	U		0.000302	0.00114	1	03/31/2018 21:07	WG1092116
1,1-Dichloroethene	U	J3	0.000346	0.00114	1	03/31/2018 21:07	WG1092116
cis-1,2-Dichloroethene	0.000833	J	0.000268	0.00114	1	03/31/2018 21:07	WG1092116
trans-1,2-Dichloroethene	U	J3	0.000301	0.00114	1	03/31/2018 21:07	WG1092116
1,2-Dichloropropane	U		0.000408	0.00114	1	03/31/2018 21:07	WG1092116
1,1-Dichloropropene	U		0.000362	0.00114	1	03/31/2018 21:07	WG1092116
1,3-Dichloropropane	U		0.000236	0.00114	1	03/31/2018 21:07	WG1092116
cis-1,3-Dichloropropene	U		0.000299	0.00114	1	03/31/2018 21:07	WG1092116
trans-1,3-Dichloropropene	U		0.000305	0.00114	1	03/31/2018 21:07	WG1092116
trans-1,4-Dichloro-2-butene	U		0.000888	0.00285	1	03/31/2018 21:07	WG1092116
2,2-Dichloropropane	U	J3	0.000318	0.00114	1	03/31/2018 21:07	WG1092116
Di-isopropyl ether	U		0.000283	0.00114	1	03/31/2018 21:07	WG1092116
Ethylbenzene	U	J3	0.000339	0.00114	1	03/31/2018 21:07	WG1092116
Hexachloro-1,3-butadiene	U	J3	0.000390	0.00114	1	03/31/2018 21:07	WG1092116
2-Hexanone	U		0.00156	0.0114	1	03/31/2018 21:07	WG1092116
n-Hexane	U	J3	0.000331	0.0114	1	03/31/2018 21:07	WG1092116
Iodomethane	U	J3	0.00289	0.0114	1	03/31/2018 21:07	WG1092116
Isopropylbenzene	U		0.000277	0.00114	1	03/31/2018 21:07	WG1092116
p-Isopropyltoluene	U	J3	0.000233	0.00114	1	03/31/2018 21:07	WG1092116
2-Butanone (MEK)	U	J3	0.00534	0.0114	1	03/31/2018 21:07	WG1092116
Methylene Chloride	U		0.00114	0.00570	1	03/31/2018 21:07	WG1092116
4-Methyl-2-pentanone (MIBK)	U		0.00215	0.0114	1	03/31/2018 21:07	WG1092116

Volatile Organic Compounds (GC/MS) by Method 8260C

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg		date / time	
Methyl tert-butyl ether	U		0.000242	0.00114	1	03/31/2018 21:07	WG1092116
Naphthalene	U		0.00114	0.00570	1	03/31/2018 21:07	WG1092116
n-Propylbenzene	U		0.000235	0.00114	1	03/31/2018 21:07	WG1092116
Styrene	U		0.000267	0.00114	1	03/31/2018 21:07	WG1092116
1,1,1,2-Tetrachloroethane	U		0.000301	0.00114	1	03/31/2018 21:07	WG1092116
1,1,2,2-Tetrachloroethane	U		0.000416	0.00114	1	03/31/2018 21:07	WG1092116
1,1,2-Trichlorotrifluoroethane	U	J3	0.000416	0.00114	1	03/31/2018 21:07	WG1092116
Tetrachloroethene	0.00254	J3	0.000315	0.00114	1	03/31/2018 21:07	WG1092116
Toluene	U		0.000495	0.00570	1	03/31/2018 21:07	WG1092116
1,2,3-Trichlorobenzene	U		0.000349	0.00114	1	03/31/2018 21:07	WG1092116
1,2,4-Trichlorobenzene	U		0.000443	0.00114	1	03/31/2018 21:07	WG1092116
1,1,1-Trichloroethane	U	J3	0.000326	0.00114	1	03/31/2018 21:07	WG1092116
1,1,2-Trichloroethane	U		0.000316	0.00114	1	03/31/2018 21:07	WG1092116
Trichloroethene	0.000615	J J4	0.000318	0.00114	1	03/31/2018 21:07	WG1092116
Trichlorofluoromethane	U	J3	0.000436	0.00570	1	03/31/2018 21:07	WG1092116
1,2,3-Trichloropropane	U		0.000845	0.00285	1	03/31/2018 21:07	WG1092116
1,2,4-Trimethylbenzene	U		0.000241	0.00114	1	03/31/2018 21:07	WG1092116
1,2,3-Trimethylbenzene	U		0.000327	0.00114	1	03/31/2018 21:07	WG1092116
1,3,5-Trimethylbenzene	U		0.000303	0.00114	1	03/31/2018 21:07	WG1092116
Vinyl acetate	U	J3	0.00273	0.0114	1	03/31/2018 21:07	WG1092116
Vinyl chloride	0.00102	J J3	0.000332	0.00114	1	03/31/2018 21:07	WG1092116
Xylenes, Total	U	J3	0.000796	0.00342	1	03/31/2018 21:07	WG1092116
(S) Toluene-d8	*98.1*			*80.0-120*		*03/31/2018 21:07*	WG1092116
(S) Dibromofluoromethane	*109*			*74.0-131*		*03/31/2018 21:07*	WG1092116
(S) 4-Bromofluorobenzene	*100*			*64.0-132*		*03/31/2018 21:07*	WG1092116

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	88.1		1	04/04/2018 14:42	WG1093163

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.0126	J J3	0.0113	0.0567	1	03/31/2018 21:29	WG1092116
Acrylonitrile	U		0.00203	0.0113	1	03/31/2018 21:29	WG1092116
Benzene	U		0.000306	0.00113	1	03/31/2018 21:29	WG1092116
Bromobenzene	U		0.000322	0.00113	1	03/31/2018 21:29	WG1092116
Bromodichloromethane	U		0.000288	0.00113	1	03/31/2018 21:29	WG1092116
Bromochloromethane	U		0.000442	0.00567	1	03/31/2018 21:29	WG1092116
Bromoform	U		0.000481	0.00113	1	03/31/2018 21:29	WG1092116
Bromomethane	U	J3	0.00152	0.00567	1	03/31/2018 21:29	WG1092116
n-Butylbenzene	U	J3	0.000293	0.00113	1	03/31/2018 21:29	WG1092116
sec-Butylbenzene	U	J3	0.000228	0.00113	1	03/31/2018 21:29	WG1092116
tert-Butylbenzene	U	J3	0.000234	0.00113	1	03/31/2018 21:29	WG1092116
Carbon disulfide	0.000710	J J3	0.000251	0.00113	1	03/31/2018 21:29	WG1092116
Carbon tetrachloride	U	J3	0.000372	0.00113	1	03/31/2018 21:29	WG1092116
Chlorobenzene	U		0.000241	0.00113	1	03/31/2018 21:29	WG1092116
Chlorodibromomethane	U		0.000423	0.00113	1	03/31/2018 21:29	WG1092116
Chloroethane	U	J3	0.00107	0.00567	1	03/31/2018 21:29	WG1092116
Chloroform	U		0.000260	0.00567	1	03/31/2018 21:29	WG1092116
Chloromethane	U	J3	0.000425	0.00284	1	03/31/2018 21:29	WG1092116
2-Chlorotoluene	U		0.000342	0.00113	1	03/31/2018 21:29	WG1092116
4-Chlorotoluene	U		0.000272	0.00113	1	03/31/2018 21:29	WG1092116
1,2-Dibromo-3-Chloropropane	U		0.00119	0.00567	1	03/31/2018 21:29	WG1092116
1,2-Dibromoethane	U		0.000389	0.00113	1	03/31/2018 21:29	WG1092116
Dibromomethane	U		0.000433	0.00113	1	03/31/2018 21:29	WG1092116
1,2-Dichlorobenzene	U		0.000346	0.00113	1	03/31/2018 21:29	WG1092116
1,3-Dichlorobenzene	U		0.000271	0.00113	1	03/31/2018 21:29	WG1092116
1,4-Dichlorobenzene	U		0.000256	0.00113	1	03/31/2018 21:29	WG1092116
Dichlorodifluoromethane	U	J3	0.000809	0.00567	1	03/31/2018 21:29	WG1092116
1,1-Dichloroethane	U		0.000226	0.00113	1	03/31/2018 21:29	WG1092116
1,2-Dichloroethane	U		0.000301	0.00113	1	03/31/2018 21:29	WG1092116
1,1-Dichloroethene	U	J3	0.000344	0.00113	1	03/31/2018 21:29	WG1092116
cis-1,2-Dichloroethene	0.00537		0.000267	0.00113	1	03/31/2018 21:29	WG1092116
trans-1,2-Dichloroethene	0.000309	J J3	0.000300	0.00113	1	03/31/2018 21:29	WG1092116
1,2-Dichloropropane	U		0.000406	0.00113	1	03/31/2018 21:29	WG1092116
1,1-Dichloropropene	U		0.000360	0.00113	1	03/31/2018 21:29	WG1092116
1,3-Dichloropropane	U		0.000235	0.00113	1	03/31/2018 21:29	WG1092116
cis-1,3-Dichloropropene	U		0.000297	0.00113	1	03/31/2018 21:29	WG1092116
trans-1,3-Dichloropropene	U		0.000303	0.00113	1	03/31/2018 21:29	WG1092116
trans-1,4-Dichloro-2-butene	U		0.000883	0.00284	1	03/31/2018 21:29	WG1092116
2,2-Dichloropropane	U	J3	0.000317	0.00113	1	03/31/2018 21:29	WG1092116
Di-isopropyl ether	U		0.000281	0.00113	1	03/31/2018 21:29	WG1092116
Ethylbenzene	U	J3	0.000337	0.00113	1	03/31/2018 21:29	WG1092116
Hexachloro-1,3-butadiene	U	J3	0.000388	0.00113	1	03/31/2018 21:29	WG1092116
2-Hexanone	U		0.00155	0.0113	1	03/31/2018 21:29	WG1092116
n-Hexane	U	J3	0.000329	0.0113	1	03/31/2018 21:29	WG1092116
Iodomethane	U	J3	0.00287	0.0113	1	03/31/2018 21:29	WG1092116
Isopropylbenzene	U		0.000276	0.00113	1	03/31/2018 21:29	WG1092116
p-Isopropyltoluene	U	J3	0.000231	0.00113	1	03/31/2018 21:29	WG1092116
2-Butanone (MEK)	U	J3	0.00531	0.0113	1	03/31/2018 21:29	WG1092116
Methylene Chloride	U		0.00113	0.00567	1	03/31/2018 21:29	WG1092116
4-Methyl-2-pentanone (MIBK)	U		0.00213	0.0113	1	03/31/2018 21:29	WG1092116

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000241	0.00113	1	03/31/2018 21:29	WG1092116
Naphthalene	U		0.00113	0.00567	1	03/31/2018 21:29	WG1092116
n-Propylbenzene	U		0.000234	0.00113	1	03/31/2018 21:29	WG1092116
Styrene	U		0.000265	0.00113	1	03/31/2018 21:29	WG1092116
1,1,1,2-Tetrachloroethane	U		0.000300	0.00113	1	03/31/2018 21:29	WG1092116
1,1,2,2-Tetrachloroethane	U		0.000414	0.00113	1	03/31/2018 21:29	WG1092116
1,1,2-Trichlorotrifluoroethane	U	J3	0.000414	0.00113	1	03/31/2018 21:29	WG1092116
Tetrachloroethene	0.000760	J J3	0.000313	0.00113	1	03/31/2018 21:29	WG1092116
Toluene	U		0.000492	0.00567	1	03/31/2018 21:29	WG1092116
1,2,3-Trichlorobenzene	U		0.000347	0.00113	1	03/31/2018 21:29	WG1092116
1,2,4-Trichlorobenzene	U		0.000440	0.00113	1	03/31/2018 21:29	WG1092116
1,1,1-Trichloroethane	U	J3	0.000324	0.00113	1	03/31/2018 21:29	WG1092116
1,1,2-Trichloroethane	U		0.000314	0.00113	1	03/31/2018 21:29	WG1092116
Trichloroethene	0.00185	J4	0.000317	0.00113	1	03/31/2018 21:29	WG1092116
Trichlorofluoromethane	U	J3	0.000433	0.00567	1	03/31/2018 21:29	WG1092116
1,2,3-Trichloropropane	U		0.000841	0.00284	1	03/31/2018 21:29	WG1092116
1,2,4-Trimethylbenzene	U		0.000239	0.00113	1	03/31/2018 21:29	WG1092116
1,2,3-Trimethylbenzene	U		0.000326	0.00113	1	03/31/2018 21:29	WG1092116
1,3,5-Trimethylbenzene	U		0.000302	0.00113	1	03/31/2018 21:29	WG1092116
Vinyl acetate	U	J3	0.00271	0.0113	1	03/31/2018 21:29	WG1092116
Vinyl chloride	0.000575	J J3	0.000330	0.00113	1	03/31/2018 21:29	WG1092116
Xylenes, Total	U	J3	0.000792	0.00340	1	03/31/2018 21:29	WG1092116
(S) Toluene-d8	*98.5*			*80.0-120*		*03/31/2018 21:29*	WG1092116
(S) Dibromofluoromethane	*109*			*74.0-131*		*03/31/2018 21:29*	WG1092116
(S) 4-Bromofluorobenzene	*104*			*64.0-132*		*03/31/2018 21:29*	WG1092116

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	94.5		1	04/04/2018 14:42	WG1093163

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.0107	J J3	0.0106	0.0529	1	03/31/2018 21:50	WG1092116
Acrylonitrile	U		0.00190	0.0106	1	03/31/2018 21:50	WG1092116
Benzene	U		0.000286	0.00106	1	03/31/2018 21:50	WG1092116
Bromobenzene	U		0.000301	0.00106	1	03/31/2018 21:50	WG1092116
Bromodichloromethane	U		0.000269	0.00106	1	03/31/2018 21:50	WG1092116
Bromochloromethane	U		0.000413	0.00529	1	03/31/2018 21:50	WG1092116
Bromoform	U		0.000449	0.00106	1	03/31/2018 21:50	WG1092116
Bromomethane	U	J3	0.00142	0.00529	1	03/31/2018 21:50	WG1092116
n-Butylbenzene	U	J3	0.000273	0.00106	1	03/31/2018 21:50	WG1092116
sec-Butylbenzene	U	J3	0.000213	0.00106	1	03/31/2018 21:50	WG1092116
tert-Butylbenzene	U	J3	0.000218	0.00106	1	03/31/2018 21:50	WG1092116
Carbon disulfide	U	J3	0.000234	0.00106	1	03/31/2018 21:50	WG1092116
Carbon tetrachloride	U	J3	0.000347	0.00106	1	03/31/2018 21:50	WG1092116
Chlorobenzene	U		0.000224	0.00106	1	03/31/2018 21:50	WG1092116
Chlorodibromomethane	U		0.000395	0.00106	1	03/31/2018 21:50	WG1092116
Chloroethane	U	J3	0.00100	0.00529	1	03/31/2018 21:50	WG1092116
Chloroform	U		0.000242	0.00529	1	03/31/2018 21:50	WG1092116
Chloromethane	U	J3	0.000397	0.00265	1	03/31/2018 21:50	WG1092116
2-Chlorotoluene	U		0.000319	0.00106	1	03/31/2018 21:50	WG1092116
4-Chlorotoluene	U		0.000254	0.00106	1	03/31/2018 21:50	WG1092116
1,2-Dibromo-3-Chloropropane	U		0.00111	0.00529	1	03/31/2018 21:50	WG1092116
1,2-Dibromoethane	U		0.000363	0.00106	1	03/31/2018 21:50	WG1092116
Dibromomethane	U		0.000404	0.00106	1	03/31/2018 21:50	WG1092116
1,2-Dichlorobenzene	U		0.000323	0.00106	1	03/31/2018 21:50	WG1092116
1,3-Dichlorobenzene	U		0.000253	0.00106	1	03/31/2018 21:50	WG1092116
1,4-Dichlorobenzene	U		0.000239	0.00106	1	03/31/2018 21:50	WG1092116
Dichlorodifluoromethane	U	J3	0.000755	0.00529	1	03/31/2018 21:50	WG1092116
1,1-Dichloroethane	U		0.000211	0.00106	1	03/31/2018 21:50	WG1092116
1,2-Dichloroethane	U		0.000281	0.00106	1	03/31/2018 21:50	WG1092116
1,1-Dichloroethene	U	J3	0.000321	0.00106	1	03/31/2018 21:50	WG1092116
cis-1,2-Dichloroethene	0.00556		0.000249	0.00106	1	03/31/2018 21:50	WG1092116
trans-1,2-Dichloroethene	U	J3	0.000280	0.00106	1	03/31/2018 21:50	WG1092116
1,2-Dichloropropane	U		0.000379	0.00106	1	03/31/2018 21:50	WG1092116
1,1-Dichloropropene	U		0.000336	0.00106	1	03/31/2018 21:50	WG1092116
1,3-Dichloropropane	U		0.000219	0.00106	1	03/31/2018 21:50	WG1092116
cis-1,3-Dichloropropene	U		0.000277	0.00106	1	03/31/2018 21:50	WG1092116
trans-1,3-Dichloropropene	U		0.000283	0.00106	1	03/31/2018 21:50	WG1092116
trans-1,4-Dichloro-2-butene	U		0.000824	0.00265	1	03/31/2018 21:50	WG1092116
2,2-Dichloropropane	U	J3	0.000295	0.00106	1	03/31/2018 21:50	WG1092116
Di-isopropyl ether	U		0.000263	0.00106	1	03/31/2018 21:50	WG1092116
Ethylbenzene	U	J3	0.000314	0.00106	1	03/31/2018 21:50	WG1092116
Hexachloro-1,3-butadiene	U	J3	0.000362	0.00106	1	03/31/2018 21:50	WG1092116
2-Hexanone	U		0.00145	0.0106	1	03/31/2018 21:50	WG1092116
n-Hexane	U	J3	0.000307	0.0106	1	03/31/2018 21:50	WG1092116
Iodomethane	U	J3	0.00268	0.0106	1	03/31/2018 21:50	WG1092116
Isopropylbenzene	U		0.000257	0.00106	1	03/31/2018 21:50	WG1092116
p-Isopropyltoluene	U	J3	0.000216	0.00106	1	03/31/2018 21:50	WG1092116
2-Butanone (MEK)	U	J3	0.00495	0.0106	1	03/31/2018 21:50	WG1092116
Methylene Chloride	U		0.00106	0.00529	1	03/31/2018 21:50	WG1092116
4-Methyl-2-pentanone (MIBK)	U		0.00199	0.0106	1	03/31/2018 21:50	WG1092116

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000224	0.00106	1	03/31/2018 21:50	WG1092116
Naphthalene	U		0.00106	0.00529	1	03/31/2018 21:50	WG1092116
n-Propylbenzene	U		0.000218	0.00106	1	03/31/2018 21:50	WG1092116
Styrene	U		0.000248	0.00106	1	03/31/2018 21:50	WG1092116
1,1,1,2-Tetrachloroethane	U		0.000280	0.00106	1	03/31/2018 21:50	WG1092116
1,1,2,2-Tetrachloroethane	U		0.000386	0.00106	1	03/31/2018 21:50	WG1092116
1,1,2-Trichlorotrifluoroethane	U	J3	0.000386	0.00106	1	03/31/2018 21:50	WG1092116
Tetrachloroethene	U	J3	0.000292	0.00106	1	03/31/2018 21:50	WG1092116
Toluene	U		0.000459	0.00529	1	03/31/2018 21:50	WG1092116
1,2,3-Trichlorobenzene	U		0.000324	0.00106	1	03/31/2018 21:50	WG1092116
1,2,4-Trichlorobenzene	U		0.000411	0.00106	1	03/31/2018 21:50	WG1092116
1,1,1-Trichloroethane	U	J3	0.000303	0.00106	1	03/31/2018 21:50	WG1092116
1,1,2-Trichloroethane	U		0.000293	0.00106	1	03/31/2018 21:50	WG1092116
Trichloroethene	0.000296	J J4	0.000295	0.00106	1	03/31/2018 21:50	WG1092116
Trichlorofluoromethane	U	J3	0.000404	0.00529	1	03/31/2018 21:50	WG1092116
1,2,3-Trichloropropane	U		0.000785	0.00265	1	03/31/2018 21:50	WG1092116
1,2,4-Trimethylbenzene	U		0.000223	0.00106	1	03/31/2018 21:50	WG1092116
1,2,3-Trimethylbenzene	U		0.000304	0.00106	1	03/31/2018 21:50	WG1092116
1,3,5-Trimethylbenzene	U		0.000282	0.00106	1	03/31/2018 21:50	WG1092116
Vinyl acetate	U	J3	0.00253	0.0106	1	03/31/2018 21:50	WG1092116
Vinyl chloride	0.00150	J3	0.000308	0.00106	1	03/31/2018 21:50	WG1092116
Xylenes, Total	U	J3	0.000739	0.00318	1	03/31/2018 21:50	WG1092116
(S) Toluene-d8	*99.1*			*80.0-120*		*03/31/2018 21:50*	WG1092116
(S) Dibromofluoromethane	*106*			*74.0-131*		*03/31/2018 21:50*	WG1092116
(S) 4-Bromofluorobenzene	*101*			*64.0-132*		*03/31/2018 21:50*	WG1092116

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	91.5		1	04/04/2018 14:42	WG1093163

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.0133	J J3	0.0109	0.0547	1	03/31/2018 22:11	WG1092116
Acrylonitrile	U		0.00196	0.0109	1	03/31/2018 22:11	WG1092116
Benzene	U		0.000295	0.00109	1	03/31/2018 22:11	WG1092116
Bromobenzene	U		0.000311	0.00109	1	03/31/2018 22:11	WG1092116
Bromodichloromethane	U		0.000278	0.00109	1	03/31/2018 22:11	WG1092116
Bromochloromethane	U		0.000426	0.00547	1	03/31/2018 22:11	WG1092116
Bromoform	U		0.000464	0.00109	1	03/31/2018 22:11	WG1092116
Bromomethane	U	J3	0.00147	0.00547	1	03/31/2018 22:11	WG1092116
n-Butylbenzene	U	J3	0.000282	0.00109	1	03/31/2018 22:11	WG1092116
sec-Butylbenzene	U	J3	0.000220	0.00109	1	03/31/2018 22:11	WG1092116
tert-Butylbenzene	U	J3	0.000225	0.00109	1	03/31/2018 22:11	WG1092116
Carbon disulfide	0.000655	J J3	0.000242	0.00109	1	03/31/2018 22:11	WG1092116
Carbon tetrachloride	U	J3	0.000359	0.00109	1	03/31/2018 22:11	WG1092116
Chlorobenzene	U		0.000232	0.00109	1	03/31/2018 22:11	WG1092116
Chlorodibromomethane	U		0.000408	0.00109	1	03/31/2018 22:11	WG1092116
Chloroethane	U	J3	0.00103	0.00547	1	03/31/2018 22:11	WG1092116
Chloroform	U		0.000250	0.00547	1	03/31/2018 22:11	WG1092116
Chloromethane	U	J3	0.000410	0.00273	1	03/31/2018 22:11	WG1092116
2-Chlorotoluene	U		0.000329	0.00109	1	03/31/2018 22:11	WG1092116
4-Chlorotoluene	U		0.000262	0.00109	1	03/31/2018 22:11	WG1092116
1,2-Dibromo-3-Chloropropane	U		0.00115	0.00547	1	03/31/2018 22:11	WG1092116
1,2-Dibromoethane	U		0.000375	0.00109	1	03/31/2018 22:11	WG1092116
Dibromomethane	U		0.000418	0.00109	1	03/31/2018 22:11	WG1092116
1,2-Dichlorobenzene	U		0.000333	0.00109	1	03/31/2018 22:11	WG1092116
1,3-Dichlorobenzene	U		0.000261	0.00109	1	03/31/2018 22:11	WG1092116
1,4-Dichlorobenzene	U		0.000247	0.00109	1	03/31/2018 22:11	WG1092116
Dichlorodifluoromethane	U	J3	0.000780	0.00547	1	03/31/2018 22:11	WG1092116
1,1-Dichloroethane	U		0.000218	0.00109	1	03/31/2018 22:11	WG1092116
1,2-Dichloroethane	U		0.000290	0.00109	1	03/31/2018 22:11	WG1092116
1,1-Dichloroethene	0.000672	J J3	0.000331	0.00109	1	03/31/2018 22:11	WG1092116
cis-1,2-Dichloroethene	0.0243		0.000257	0.00109	1	03/31/2018 22:11	WG1092116
trans-1,2-Dichloroethene	0.00106	J J3	0.000289	0.00109	1	03/31/2018 22:11	WG1092116
1,2-Dichloropropane	U		0.000391	0.00109	1	03/31/2018 22:11	WG1092116
1,1-Dichloropropene	U		0.000347	0.00109	1	03/31/2018 22:11	WG1092116
1,3-Dichloropropane	U		0.000226	0.00109	1	03/31/2018 22:11	WG1092116
cis-1,3-Dichloropropene	U		0.000286	0.00109	1	03/31/2018 22:11	WG1092116
trans-1,3-Dichloropropene	U		0.000292	0.00109	1	03/31/2018 22:11	WG1092116
trans-1,4-Dichloro-2-butene	U		0.000851	0.00273	1	03/31/2018 22:11	WG1092116
2,2-Dichloropropane	U	J3	0.000305	0.00109	1	03/31/2018 22:11	WG1092116
Di-isopropyl ether	U		0.000271	0.00109	1	03/31/2018 22:11	WG1092116
Ethylbenzene	U	J3	0.000325	0.00109	1	03/31/2018 22:11	WG1092116
Hexachloro-1,3-butadiene	U	J3	0.000374	0.00109	1	03/31/2018 22:11	WG1092116
2-Hexanone	U		0.00150	0.0109	1	03/31/2018 22:11	WG1092116
n-Hexane	U	J3	0.000317	0.0109	1	03/31/2018 22:11	WG1092116
Iodomethane	U	J3	0.00277	0.0109	1	03/31/2018 22:11	WG1092116
Isopropylbenzene	U		0.000266	0.00109	1	03/31/2018 22:11	WG1092116
p-Isopropyltoluene	U	J3	0.000223	0.00109	1	03/31/2018 22:11	WG1092116
2-Butanone (MEK)	U	J3	0.00512	0.0109	1	03/31/2018 22:11	WG1092116
Methylene Chloride	U		0.00109	0.00547	1	03/31/2018 22:11	WG1092116
4-Methyl-2-pentanone (MIBK)	U		0.00206	0.0109	1	03/31/2018 22:11	WG1092116

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000232	0.00109	1	03/31/2018 22:11	WG1092116
Naphthalene	U		0.00109	0.00547	1	03/31/2018 22:11	WG1092116
n-Propylbenzene	U		0.000225	0.00109	1	03/31/2018 22:11	WG1092116
Styrene	U		0.000256	0.00109	1	03/31/2018 22:11	WG1092116
1,1,1,2-Tetrachloroethane	U		0.000289	0.00109	1	03/31/2018 22:11	WG1092116
1,1,2,2-Tetrachloroethane	U		0.000399	0.00109	1	03/31/2018 22:11	WG1092116
1,1,2-Trichlorotrifluoroethane	U	J3	0.000399	0.00109	1	03/31/2018 22:11	WG1092116
Tetrachloroethene	0.00210	J3	0.000302	0.00109	1	03/31/2018 22:11	WG1092116
Toluene	U		0.000475	0.00547	1	03/31/2018 22:11	WG1092116
1,2,3-Trichlorobenzene	U		0.000335	0.00109	1	03/31/2018 22:11	WG1092116
1,2,4-Trichlorobenzene	U		0.000424	0.00109	1	03/31/2018 22:11	WG1092116
1,1,1-Trichloroethane	U	J3	0.000313	0.00109	1	03/31/2018 22:11	WG1092116
1,1,2-Trichloroethane	U		0.000303	0.00109	1	03/31/2018 22:11	WG1092116
Trichloroethene	U	J4	0.000305	0.00109	1	03/31/2018 22:11	WG1092116
Trichlorofluoromethane	U	J3	0.000418	0.00547	1	03/31/2018 22:11	WG1092116
1,2,3-Trichloropropane	U		0.000810	0.00273	1	03/31/2018 22:11	WG1092116
1,2,4-Trimethylbenzene	U		0.000231	0.00109	1	03/31/2018 22:11	WG1092116
1,2,3-Trimethylbenzene	U		0.000314	0.00109	1	03/31/2018 22:11	WG1092116
1,3,5-Trimethylbenzene	U		0.000291	0.00109	1	03/31/2018 22:11	WG1092116
Vinyl acetate	U	J3	0.00261	0.0109	1	03/31/2018 22:11	WG1092116
Vinyl chloride	0.00144	J3	0.000318	0.00109	1	03/31/2018 22:11	WG1092116
Xylenes, Total	U	J3	0.000763	0.00328	1	03/31/2018 22:11	WG1092116
(S) Toluene-d8	*99.4*			*80.0-120*		*03/31/2018 22:11*	WG1092116
(S) Dibromofluoromethane	*108*			*74.0-131*		*03/31/2018 22:11*	WG1092116
(S) 4-Bromofluorobenzene	*105*			*64.0-132*		*03/31/2018 22:11*	WG1092116

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	87.1		1	04/04/2018 14:42	WG1093163

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.0135	J J3	0.0115	0.0574	1	03/31/2018 22:32	WG1092116
Acrylonitrile	U		0.00206	0.0115	1	03/31/2018 22:32	WG1092116
Benzene	U		0.000310	0.00115	1	03/31/2018 22:32	WG1092116
Bromobenzene	U		0.000326	0.00115	1	03/31/2018 22:32	WG1092116
Bromodichloromethane	U		0.000292	0.00115	1	03/31/2018 22:32	WG1092116
Bromochloromethane	U		0.000448	0.00574	1	03/31/2018 22:32	WG1092116
Bromoform	U		0.000487	0.00115	1	03/31/2018 22:32	WG1092116
Bromomethane	U	J3	0.00154	0.00574	1	03/31/2018 22:32	WG1092116
n-Butylbenzene	U	J3	0.000296	0.00115	1	03/31/2018 22:32	WG1092116
sec-Butylbenzene	U	J3	0.000231	0.00115	1	03/31/2018 22:32	WG1092116
tert-Butylbenzene	U	J3	0.000237	0.00115	1	03/31/2018 22:32	WG1092116
Carbon disulfide	0.00116	J3	0.000254	0.00115	1	03/31/2018 22:32	WG1092116
Carbon tetrachloride	U	J3	0.000377	0.00115	1	03/31/2018 22:32	WG1092116
Chlorobenzene	U		0.000243	0.00115	1	03/31/2018 22:32	WG1092116
Chlorodibromomethane	U		0.000428	0.00115	1	03/31/2018 22:32	WG1092116
Chloroethane	U	J3	0.00109	0.00574	1	03/31/2018 22:32	WG1092116
Chloroform	U		0.000263	0.00574	1	03/31/2018 22:32	WG1092116
Chloromethane	U	J3	0.000431	0.00287	1	03/31/2018 22:32	WG1092116
2-Chlorotoluene	U		0.000346	0.00115	1	03/31/2018 22:32	WG1092116
4-Chlorotoluene	U		0.000276	0.00115	1	03/31/2018 22:32	WG1092116
1,2-Dibromo-3-Chloropropane	U		0.00121	0.00574	1	03/31/2018 22:32	WG1092116
1,2-Dibromoethane	U		0.000394	0.00115	1	03/31/2018 22:32	WG1092116
Dibromomethane	U		0.000439	0.00115	1	03/31/2018 22:32	WG1092116
1,2-Dichlorobenzene	U		0.000350	0.00115	1	03/31/2018 22:32	WG1092116
1,3-Dichlorobenzene	U		0.000275	0.00115	1	03/31/2018 22:32	WG1092116
1,4-Dichlorobenzene	U		0.000260	0.00115	1	03/31/2018 22:32	WG1092116
Dichlorodifluoromethane	U	J3	0.000819	0.00574	1	03/31/2018 22:32	WG1092116
1,1-Dichloroethane	U		0.000229	0.00115	1	03/31/2018 22:32	WG1092116
1,2-Dichloroethane	U		0.000304	0.00115	1	03/31/2018 22:32	WG1092116
1,1-Dichloroethene	0.000446	J J3	0.000348	0.00115	1	03/31/2018 22:32	WG1092116
cis-1,2-Dichloroethene	0.0522		0.000270	0.00115	1	03/31/2018 22:32	WG1092116
trans-1,2-Dichloroethene	0.00211	J3	0.000303	0.00115	1	03/31/2018 22:32	WG1092116
1,2-Dichloropropane	U		0.000411	0.00115	1	03/31/2018 22:32	WG1092116
1,1-Dichloropropene	U		0.000364	0.00115	1	03/31/2018 22:32	WG1092116
1,3-Dichloropropane	U		0.000238	0.00115	1	03/31/2018 22:32	WG1092116
cis-1,3-Dichloropropene	U		0.000301	0.00115	1	03/31/2018 22:32	WG1092116
trans-1,3-Dichloropropene	U		0.000307	0.00115	1	03/31/2018 22:32	WG1092116
trans-1,4-Dichloro-2-butene	U		0.000894	0.00287	1	03/31/2018 22:32	WG1092116
2,2-Dichloropropane	U	J3	0.000320	0.00115	1	03/31/2018 22:32	WG1092116
Di-isopropyl ether	U		0.000285	0.00115	1	03/31/2018 22:32	WG1092116
Ethylbenzene	U	J3	0.000341	0.00115	1	03/31/2018 22:32	WG1092116
Hexachloro-1,3-butadiene	U	J3	0.000393	0.00115	1	03/31/2018 22:32	WG1092116
2-Hexanone	U		0.00157	0.0115	1	03/31/2018 22:32	WG1092116
n-Hexane	U	J3	0.000333	0.0115	1	03/31/2018 22:32	WG1092116
Iodomethane	U	J3	0.00291	0.0115	1	03/31/2018 22:32	WG1092116
Isopropylbenzene	U		0.000279	0.00115	1	03/31/2018 22:32	WG1092116
p-Isopropyltoluene	U	J3	0.000234	0.00115	1	03/31/2018 22:32	WG1092116
2-Butanone (MEK)	U	J3	0.00538	0.0115	1	03/31/2018 22:32	WG1092116
Methylene Chloride	U		0.00115	0.00574	1	03/31/2018 22:32	WG1092116
4-Methyl-2-pentanone (MIBK)	U		0.00216	0.0115	1	03/31/2018 22:32	WG1092116

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000243	0.00115	1	03/31/2018 22:32	WG1092116
Naphthalene	U		0.00115	0.00574	1	03/31/2018 22:32	WG1092116
n-Propylbenzene	U		0.000237	0.00115	1	03/31/2018 22:32	WG1092116
Styrene	U		0.000269	0.00115	1	03/31/2018 22:32	WG1092116
1,1,1,2-Tetrachloroethane	U		0.000303	0.00115	1	03/31/2018 22:32	WG1092116
1,1,2,2-Tetrachloroethane	U		0.000419	0.00115	1	03/31/2018 22:32	WG1092116
1,1,2-Trichlorotrifluoroethane	U	J3	0.000419	0.00115	1	03/31/2018 22:32	WG1092116
Tetrachloroethene	0.0158	J3	0.000317	0.00115	1	03/31/2018 22:32	WG1092116
Toluene	U		0.000498	0.00574	1	03/31/2018 22:32	WG1092116
1,2,3-Trichlorobenzene	U		0.000351	0.00115	1	03/31/2018 22:32	WG1092116
1,2,4-Trichlorobenzene	U		0.000446	0.00115	1	03/31/2018 22:32	WG1092116
1,1,1-Trichloroethane	U	J3	0.000328	0.00115	1	03/31/2018 22:32	WG1092116
1,1,2-Trichloroethane	U		0.000318	0.00115	1	03/31/2018 22:32	WG1092116
Trichloroethene	0.00357	J4	0.000320	0.00115	1	03/31/2018 22:32	WG1092116
Trichlorofluoromethane	U	J3	0.000439	0.00574	1	03/31/2018 22:32	WG1092116
1,2,3-Trichloropropane	U		0.000851	0.00287	1	03/31/2018 22:32	WG1092116
1,2,4-Trimethylbenzene	U		0.000242	0.00115	1	03/31/2018 22:32	WG1092116
1,2,3-Trimethylbenzene	U		0.000330	0.00115	1	03/31/2018 22:32	WG1092116
1,3,5-Trimethylbenzene	U		0.000306	0.00115	1	03/31/2018 22:32	WG1092116
Vinyl acetate	U	J3	0.00275	0.0115	1	03/31/2018 22:32	WG1092116
Vinyl chloride	0.00668	J3	0.000334	0.00115	1	03/31/2018 22:32	WG1092116
Xylenes, Total	U	J3	0.000802	0.00345	1	03/31/2018 22:32	WG1092116
(S) Toluene-d8	*99.2*			*80.0-120*		*03/31/2018 22:32*	WG1092116
(S) Dibromofluoromethane	*108*			*74.0-131*		*03/31/2018 22:32*	WG1092116
(S) 4-Bromofluorobenzene	*105*			*64.0-132*		*03/31/2018 22:32*	WG1092116

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	90.7		1	04/04/2018 14:42	WG1093163

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U	J3	0.0110	0.0551	1	03/31/2018 22:53	WG1092116
Acrylonitrile	U		0.00197	0.0110	1	03/31/2018 22:53	WG1092116
Benzene	U		0.000298	0.00110	1	03/31/2018 22:53	WG1092116
Bromobenzene	U		0.000313	0.00110	1	03/31/2018 22:53	WG1092116
Bromodichloromethane	U		0.000280	0.00110	1	03/31/2018 22:53	WG1092116
Bromochloromethane	U		0.000430	0.00551	1	03/31/2018 22:53	WG1092116
Bromoform	U		0.000468	0.00110	1	03/31/2018 22:53	WG1092116
Bromomethane	U	J3	0.00148	0.00551	1	03/31/2018 22:53	WG1092116
n-Butylbenzene	U	J3	0.000285	0.00110	1	03/31/2018 22:53	WG1092116
sec-Butylbenzene	U	J3	0.000222	0.00110	1	03/31/2018 22:53	WG1092116
tert-Butylbenzene	U	J3	0.000227	0.00110	1	03/31/2018 22:53	WG1092116
Carbon disulfide	0.000822	J J3	0.000244	0.00110	1	03/31/2018 22:53	WG1092116
Carbon tetrachloride	U	J3	0.000362	0.00110	1	03/31/2018 22:53	WG1092116
Chlorobenzene	U		0.000234	0.00110	1	03/31/2018 22:53	WG1092116
Chlorodibromomethane	U		0.000411	0.00110	1	03/31/2018 22:53	WG1092116
Chloroethane	U	J3	0.00104	0.00551	1	03/31/2018 22:53	WG1092116
Chloroform	U		0.000253	0.00551	1	03/31/2018 22:53	WG1092116
Chloromethane	U	J3	0.000414	0.00276	1	03/31/2018 22:53	WG1092116
2-Chlorotoluene	U		0.000332	0.00110	1	03/31/2018 22:53	WG1092116
4-Chlorotoluene	U		0.000265	0.00110	1	03/31/2018 22:53	WG1092116
1,2-Dibromo-3-Chloropropane	U		0.00116	0.00551	1	03/31/2018 22:53	WG1092116
1,2-Dibromoethane	U		0.000378	0.00110	1	03/31/2018 22:53	WG1092116
Dibromomethane	U		0.000421	0.00110	1	03/31/2018 22:53	WG1092116
1,2-Dichlorobenzene	U		0.000336	0.00110	1	03/31/2018 22:53	WG1092116
1,3-Dichlorobenzene	U		0.000264	0.00110	1	03/31/2018 22:53	WG1092116
1,4-Dichlorobenzene	U		0.000249	0.00110	1	03/31/2018 22:53	WG1092116
Dichlorodifluoromethane	U	J3	0.000786	0.00551	1	03/31/2018 22:53	WG1092116
1,1-Dichloroethane	U		0.000219	0.00110	1	03/31/2018 22:53	WG1092116
1,2-Dichloroethane	U		0.000292	0.00110	1	03/31/2018 22:53	WG1092116
1,1-Dichloroethene	0.000845	J J3	0.000334	0.00110	1	03/31/2018 22:53	WG1092116
cis-1,2-Dichloroethene	2.00		0.00648	0.0276	25	04/06/2018 00:44	WG1092116
trans-1,2-Dichloroethene	0.0665	J3	0.000291	0.00110	1	03/31/2018 22:53	WG1092116
1,2-Dichloropropane	U		0.000395	0.00110	1	03/31/2018 22:53	WG1092116
1,1-Dichloropropene	U		0.000350	0.00110	1	03/31/2018 22:53	WG1092116
1,3-Dichloropropane	U		0.000228	0.00110	1	03/31/2018 22:53	WG1092116
cis-1,3-Dichloropropene	U		0.000289	0.00110	1	03/31/2018 22:53	WG1092116
trans-1,3-Dichloropropene	U		0.000294	0.00110	1	03/31/2018 22:53	WG1092116
trans-1,4-Dichloro-2-butene	U		0.000858	0.00276	1	03/31/2018 22:53	WG1092116
2,2-Dichloropropane	U	J3	0.000308	0.00110	1	03/31/2018 22:53	WG1092116
Di-isopropyl ether	U		0.000274	0.00110	1	03/31/2018 22:53	WG1092116
Ethylbenzene	U	J3	0.000328	0.00110	1	03/31/2018 22:53	WG1092116
Hexachloro-1,3-butadiene	U	J3	0.000377	0.00110	1	03/31/2018 22:53	WG1092116
2-Hexanone	U		0.00151	0.0110	1	03/31/2018 22:53	WG1092116
n-Hexane	U	J3	0.000320	0.0110	1	03/31/2018 22:53	WG1092116
Iodomethane	U	J3	0.00279	0.0110	1	03/31/2018 22:53	WG1092116
Isopropylbenzene	U		0.000268	0.00110	1	03/31/2018 22:53	WG1092116
p-Isopropyltoluene	U	J3	0.000225	0.00110	1	03/31/2018 22:53	WG1092116
2-Butanone (MEK)	U	J3	0.00516	0.0110	1	03/31/2018 22:53	WG1092116
Methylene Chloride	U		0.00110	0.00551	1	03/31/2018 22:53	WG1092116
4-Methyl-2-pentanone (MIBK)	U		0.00207	0.0110	1	03/31/2018 22:53	WG1092116

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000234	0.00110	1	03/31/2018 22:53	WG1092116
Naphthalene	U		0.00110	0.00551	1	03/31/2018 22:53	WG1092116
n-Propylbenzene	U		0.000227	0.00110	1	03/31/2018 22:53	WG1092116
Styrene	U		0.000258	0.00110	1	03/31/2018 22:53	WG1092116
1,1,1,2-Tetrachloroethane	U		0.000291	0.00110	1	03/31/2018 22:53	WG1092116
1,1,2,2-Tetrachloroethane	U		0.000403	0.00110	1	03/31/2018 22:53	WG1092116
1,1,2-Trichlorotrifluoroethane	U	J3	0.000403	0.00110	1	03/31/2018 22:53	WG1092116
Tetrachloroethene	0.00131	J3	0.000304	0.00110	1	03/31/2018 22:53	WG1092116
Toluene	U		0.000479	0.00551	1	03/31/2018 22:53	WG1092116
1,2,3-Trichlorobenzene	U		0.000337	0.00110	1	03/31/2018 22:53	WG1092116
1,2,4-Trichlorobenzene	U		0.000428	0.00110	1	03/31/2018 22:53	WG1092116
1,1,1-Trichloroethane	U	J3	0.000315	0.00110	1	03/31/2018 22:53	WG1092116
1,1,2-Trichloroethane	U		0.000305	0.00110	1	03/31/2018 22:53	WG1092116
Trichloroethene	0.000382	J J4	0.000308	0.00110	1	03/31/2018 22:53	WG1092116
Trichlorofluoromethane	U	J3	0.000421	0.00551	1	03/31/2018 22:53	WG1092116
1,2,3-Trichloropropane	U		0.000817	0.00276	1	03/31/2018 22:53	WG1092116
1,2,4-Trimethylbenzene	U		0.000233	0.00110	1	03/31/2018 22:53	WG1092116
1,2,3-Trimethylbenzene	U		0.000317	0.00110	1	03/31/2018 22:53	WG1092116
1,3,5-Trimethylbenzene	U		0.000293	0.00110	1	03/31/2018 22:53	WG1092116
Vinyl acetate	U	J3	0.00264	0.0110	1	03/31/2018 22:53	WG1092116
Vinyl chloride	1.35	J3	0.00803	0.0276	25	04/06/2018 00:44	WG1092116
Xylenes, Total	U	J3	0.000770	0.00331	1	03/31/2018 22:53	WG1092116
(S) Toluene-d8	*97.8*			*80.0-120*		*03/31/2018 22:53*	WG1092116
(S) Toluene-d8	*97.5*			*80.0-120*		*04/06/2018 00:44*	WG1092116
(S) Dibromofluoromethane	*111*			*74.0-131*		*03/31/2018 22:53*	WG1092116
(S) Dibromofluoromethane	*95.2*			*74.0-131*		*04/06/2018 00:44*	WG1092116
(S) 4-Bromofluorobenzene	*103*			*64.0-132*		*03/31/2018 22:53*	WG1092116
(S) 4-Bromofluorobenzene	*98.8*			*64.0-132*		*04/06/2018 00:44*	WG1092116

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	88.9		1	04/04/2018 14:27	WG1093165

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U	J3	0.281	1.41	25	04/01/2018 01:19	WG1092116
Acrylonitrile	U	J3	0.0504	0.281	25	04/01/2018 01:19	WG1092116
Benzene	U	J3	0.00759	0.0281	25	04/01/2018 01:19	WG1092116
Bromobenzene	U	J3	0.00799	0.0281	25	04/01/2018 01:19	WG1092116
Bromodichloromethane	U	J3 J5	0.00714	0.0281	25	04/01/2018 01:19	WG1092116
Bromochloromethane	U	J3 J5	0.0110	0.141	25	04/01/2018 01:19	WG1092116
Bromoform	U	J3	0.0119	0.0281	25	04/01/2018 01:19	WG1092116
Bromomethane	U	J3	0.0377	0.141	25	04/01/2018 01:19	WG1092116
n-Butylbenzene	U	J3	0.00726	0.0281	25	04/01/2018 01:19	WG1092116
sec-Butylbenzene	U	J3	0.00565	0.0281	25	04/01/2018 01:19	WG1092116
tert-Butylbenzene	U	J3	0.00579	0.0281	25	04/01/2018 01:19	WG1092116
Carbon disulfide	U	J3 J5	0.00621	0.0281	25	04/01/2018 01:19	WG1092116
Carbon tetrachloride	U	J3	0.00923	0.0281	25	04/01/2018 01:19	WG1092116
Chlorobenzene	U	J3	0.00596	0.0281	25	04/01/2018 01:19	WG1092116
Chlorodibromomethane	U	J3	0.0105	0.0281	25	04/01/2018 01:19	WG1092116
Chloroethane	U	J3	0.0266	0.141	25	04/01/2018 01:19	WG1092116
Chloroform	U	J3	0.00644	0.141	25	04/01/2018 01:19	WG1092116
Chloromethane	U	J3	0.0106	0.0703	25	04/01/2018 01:19	WG1092116
2-Chlorotoluene	U	J3	0.00846	0.0281	25	04/01/2018 01:19	WG1092116
4-Chlorotoluene	U	J3	0.00675	0.0281	25	04/01/2018 01:19	WG1092116
1,2-Dibromo-3-Chloropropane	U	J3	0.0295	0.141	25	04/01/2018 01:19	WG1092116
1,2-Dibromoethane	U	J3	0.00965	0.0281	25	04/01/2018 01:19	WG1092116
Dibromomethane	U	J3 J5	0.0107	0.0281	25	04/01/2018 01:19	WG1092116
1,2-Dichlorobenzene	U	J3	0.00857	0.0281	25	04/01/2018 01:19	WG1092116
1,3-Dichlorobenzene	U	J3	0.00673	0.0281	25	04/01/2018 01:19	WG1092116
1,4-Dichlorobenzene	U	J3	0.00636	0.0281	25	04/01/2018 01:19	WG1092116
Dichlorodifluoromethane	U	J3	0.0200	0.141	25	04/01/2018 01:19	WG1092116
1,1-Dichloroethane	U	J3	0.00560	0.0281	25	04/01/2018 01:19	WG1092116
1,2-Dichloroethane	U	J3	0.00745	0.0281	25	04/01/2018 01:19	WG1092116
1,1-Dichloroethene	U	J3	0.00853	0.0281	25	04/01/2018 01:19	WG1092116
cis-1,2-Dichloroethene	0.886		0.00662	0.0281	25	04/01/2018 01:19	WG1092116
trans-1,2-Dichloroethene	0.0882	J3 J5	0.00743	0.0281	25	04/01/2018 01:19	WG1092116
1,2-Dichloropropane	U	J3	0.0101	0.0281	25	04/01/2018 01:19	WG1092116
1,1-Dichloropropene	U	J3	0.00891	0.0281	25	04/01/2018 01:19	WG1092116
1,3-Dichloropropane	U	J3	0.00583	0.0281	25	04/01/2018 01:19	WG1092116
cis-1,3-Dichloropropene	U	J3	0.00737	0.0281	25	04/01/2018 01:19	WG1092116
trans-1,3-Dichloropropene	U	J3	0.00752	0.0281	25	04/01/2018 01:19	WG1092116
trans-1,4-Dichloro-2-butene	U	J3	0.0218	0.0703	25	04/01/2018 01:19	WG1092116
2,2-Dichloropropane	U	J3	0.00785	0.0281	25	04/01/2018 01:19	WG1092116
Di-isopropyl ether	U	J3	0.00698	0.0281	25	04/01/2018 01:19	WG1092116
Ethylbenzene	U	J3	0.00835	0.0281	25	04/01/2018 01:19	WG1092116
Hexachloro-1,3-butadiene	U	J3	0.00962	0.0281	25	04/01/2018 01:19	WG1092116
2-Hexanone	U	J3	0.0385	0.281	25	04/01/2018 01:19	WG1092116
n-Hexane	U	J3 J5	0.00816	0.281	25	04/01/2018 01:19	WG1092116
Iodomethane	U	J3	0.0711	0.281	25	04/01/2018 01:19	WG1092116
Isopropylbenzene	U	J3	0.00684	0.0281	25	04/01/2018 01:19	WG1092116
p-Isopropyltoluene	U	J3	0.00574	0.0281	25	04/01/2018 01:19	WG1092116
2-Butanone (MEK)	U	J3	0.132	0.281	25	04/01/2018 01:19	WG1092116
Methylene Chloride	U	J3 J5	0.0281	0.141	25	04/01/2018 01:19	WG1092116
4-Methyl-2-pentanone (MIBK)	U	J3	0.0529	0.281	25	04/01/2018 01:19	WG1092116

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U	J3 J5	0.00596	0.0281	25	04/01/2018 01:19	WG1092116
Naphthalene	U	J3	0.0281	0.141	25	04/01/2018 01:19	WG1092116
n-Propylbenzene	U	J3	0.00579	0.0281	25	04/01/2018 01:19	WG1092116
Styrene	U	J3	0.00658	0.0281	25	04/01/2018 01:19	WG1092116
1,1,1,2-Tetrachloroethane	U	J3	0.00743	0.0281	25	04/01/2018 01:19	WG1092116
1,1,2,2-Tetrachloroethane	U	J3	0.0103	0.0281	25	04/01/2018 01:19	WG1092116
1,1,2-Trichlorotrifluoroethane	U	J3	0.0103	0.0281	25	04/01/2018 01:19	WG1092116
Tetrachloroethene	0.237	J3	0.00776	0.0281	25	04/01/2018 01:19	WG1092116
Toluene	U	J3	0.0122	0.141	25	04/01/2018 01:19	WG1092116
1,2,3-Trichlorobenzene	U	J3	0.00861	0.0281	25	04/01/2018 01:19	WG1092116
1,2,4-Trichlorobenzene	U	J3	0.0109	0.0281	25	04/01/2018 01:19	WG1092116
1,1,1-Trichloroethane	U	J3	0.00804	0.0281	25	04/01/2018 01:19	WG1092116
1,1,2-Trichloroethane	U	J3	0.00779	0.0281	25	04/01/2018 01:19	WG1092116
Trichloroethene	0.0208	J J3 J4 J5	0.00785	0.0281	25	04/01/2018 01:19	WG1092116
Trichlorofluoromethane	U	J3	0.0107	0.141	25	04/01/2018 01:19	WG1092116
1,2,3-Trichloropropane	U	J3	0.0208	0.0703	25	04/01/2018 01:19	WG1092116
1,2,4-Trimethylbenzene	U	J3	0.00594	0.0281	25	04/01/2018 01:19	WG1092116
1,2,3-Trimethylbenzene	U	J3	0.00808	0.0281	25	04/01/2018 01:19	WG1092116
1,3,5-Trimethylbenzene	U	J3	0.00748	0.0281	25	04/01/2018 01:19	WG1092116
Vinyl acetate	U	J3	0.0673	0.281	25	04/01/2018 01:19	WG1092116
Vinyl chloride	0.256	J3	0.00819	0.0281	25	04/01/2018 01:19	WG1092116
Xylenes, Total	U	J3	0.0196	0.0844	25	04/01/2018 01:19	WG1092116
(S) Toluene-d8	*99.5*			*80.0-120*		*04/01/2018 01:19*	WG1092116
(S) Dibromofluoromethane	*102*			*74.0-131*		*04/01/2018 01:19*	WG1092116
(S) 4-Bromofluorobenzene	*102*			*64.0-132*		*04/01/2018 01:19*	WG1092116

Sample Narrative:

L981889-09 WG1092116: Cannot be analyzed at a lower dilution due to high levels of target analytes.

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	88.9		1	04/04/2018 14:27	WG1093165

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.0273	J J3	0.0113	0.0563	1	03/31/2018 23:13	WG1092116
Acrylonitrile	U		0.00201	0.0113	1	03/31/2018 23:13	WG1092116
Benzene	U		0.000304	0.00113	1	03/31/2018 23:13	WG1092116
Bromobenzene	U		0.000320	0.00113	1	03/31/2018 23:13	WG1092116
Bromodichloromethane	U		0.000286	0.00113	1	03/31/2018 23:13	WG1092116
Bromochloromethane	U		0.000439	0.00563	1	03/31/2018 23:13	WG1092116
Bromoform	U		0.000477	0.00113	1	03/31/2018 23:13	WG1092116
Bromomethane	U	J3	0.00151	0.00563	1	03/31/2018 23:13	WG1092116
n-Butylbenzene	U	J3	0.000290	0.00113	1	03/31/2018 23:13	WG1092116
sec-Butylbenzene	U	J3	0.000226	0.00113	1	03/31/2018 23:13	WG1092116
tert-Butylbenzene	U	J3	0.000232	0.00113	1	03/31/2018 23:13	WG1092116
Carbon disulfide	0.00162	J3	0.000249	0.00113	1	03/31/2018 23:13	WG1092116
Carbon tetrachloride	U	J3	0.000369	0.00113	1	03/31/2018 23:13	WG1092116
Chlorobenzene	U		0.000239	0.00113	1	03/31/2018 23:13	WG1092116
Chlorodibromomethane	U		0.000420	0.00113	1	03/31/2018 23:13	WG1092116
Chloroethane	U	J3	0.00106	0.00563	1	03/31/2018 23:13	WG1092116
Chloroform	U		0.000258	0.00563	1	03/31/2018 23:13	WG1092116
Chloromethane	0.00475	J3	0.000422	0.00281	1	03/31/2018 23:13	WG1092116
2-Chlorotoluene	U		0.000339	0.00113	1	03/31/2018 23:13	WG1092116
4-Chlorotoluene	U		0.000270	0.00113	1	03/31/2018 23:13	WG1092116
1,2-Dibromo-3-Chloropropane	U		0.00118	0.00563	1	03/31/2018 23:13	WG1092116
1,2-Dibromoethane	U		0.000386	0.00113	1	03/31/2018 23:13	WG1092116
Dibromomethane	U		0.000430	0.00113	1	03/31/2018 23:13	WG1092116
1,2-Dichlorobenzene	U		0.000343	0.00113	1	03/31/2018 23:13	WG1092116
1,3-Dichlorobenzene	U		0.000269	0.00113	1	03/31/2018 23:13	WG1092116
1,4-Dichlorobenzene	U		0.000254	0.00113	1	03/31/2018 23:13	WG1092116
Dichlorodifluoromethane	U	J3	0.000802	0.00563	1	03/31/2018 23:13	WG1092116
1,1-Dichloroethane	U		0.000224	0.00113	1	03/31/2018 23:13	WG1092116
1,2-Dichloroethane	U		0.000298	0.00113	1	03/31/2018 23:13	WG1092116
1,1-Dichloroethene	0.00376	J3	0.000341	0.00113	1	03/31/2018 23:13	WG1092116
cis-1,2-Dichloroethene	5.01		0.0529	0.225	200	04/06/2018 14:19	WG1092116
trans-1,2-Dichloroethene	0.0619	J3	0.000297	0.00113	1	03/31/2018 23:13	WG1092116
1,2-Dichloropropane	U		0.000403	0.00113	1	03/31/2018 23:13	WG1092116
1,1-Dichloropropene	U		0.000357	0.00113	1	03/31/2018 23:13	WG1092116
1,3-Dichloropropane	U		0.000233	0.00113	1	03/31/2018 23:13	WG1092116
cis-1,3-Dichloropropene	U		0.000295	0.00113	1	03/31/2018 23:13	WG1092116
trans-1,3-Dichloropropene	U		0.000301	0.00113	1	03/31/2018 23:13	WG1092116
trans-1,4-Dichloro-2-butene	U		0.000876	0.00281	1	03/31/2018 23:13	WG1092116
2,2-Dichloropropane	U	J3	0.000314	0.00113	1	03/31/2018 23:13	WG1092116
Di-isopropyl ether	U		0.000279	0.00113	1	03/31/2018 23:13	WG1092116
Ethylbenzene	U	J3	0.000334	0.00113	1	03/31/2018 23:13	WG1092116
Hexachloro-1,3-butadiene	U	J3	0.000385	0.00113	1	03/31/2018 23:13	WG1092116
2-Hexanone	U		0.00154	0.0113	1	03/31/2018 23:13	WG1092116
n-Hexane	U	J3	0.000326	0.0113	1	03/31/2018 23:13	WG1092116
Iodomethane	U	J3	0.00285	0.0113	1	03/31/2018 23:13	WG1092116
Isopropylbenzene	U		0.000273	0.00113	1	03/31/2018 23:13	WG1092116
p-Isopropyltoluene	U	J3	0.000230	0.00113	1	03/31/2018 23:13	WG1092116
2-Butanone (MEK)	0.00730	J J3	0.00527	0.0113	1	03/31/2018 23:13	WG1092116
Methylene Chloride	U		0.00113	0.00563	1	03/31/2018 23:13	WG1092116
4-Methyl-2-pentanone (MIBK)	U		0.00212	0.0113	1	03/31/2018 23:13	WG1092116

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000239	0.00113	1	03/31/2018 23:13	WG1092116
Naphthalene	U		0.00113	0.00563	1	03/31/2018 23:13	WG1092116
n-Propylbenzene	U		0.000232	0.00113	1	03/31/2018 23:13	WG1092116
Styrene	U		0.000263	0.00113	1	03/31/2018 23:13	WG1092116
1,1,1,2-Tetrachloroethane	U		0.000297	0.00113	1	03/31/2018 23:13	WG1092116
1,1,2,2-Tetrachloroethane	U		0.000411	0.00113	1	03/31/2018 23:13	WG1092116
1,1,2-Trichlorotrifluoroethane	U	J3	0.000411	0.00113	1	03/31/2018 23:13	WG1092116
Tetrachloroethene	0.0323	J3	0.000311	0.00113	1	03/31/2018 23:13	WG1092116
Toluene	U		0.000488	0.00563	1	03/31/2018 23:13	WG1092116
1,2,3-Trichlorobenzene	U		0.000344	0.00113	1	03/31/2018 23:13	WG1092116
1,2,4-Trichlorobenzene	U		0.000437	0.00113	1	03/31/2018 23:13	WG1092116
1,1,1-Trichloroethane	U	J3	0.000322	0.00113	1	03/31/2018 23:13	WG1092116
1,1,2-Trichloroethane	U		0.000312	0.00113	1	03/31/2018 23:13	WG1092116
Trichloroethene	0.0212	J4	0.000314	0.00113	1	03/31/2018 23:13	WG1092116
Trichlorofluoromethane	U	J3	0.000430	0.00563	1	03/31/2018 23:13	WG1092116
1,2,3-Trichloropropane	U		0.000834	0.00281	1	03/31/2018 23:13	WG1092116
1,2,4-Trimethylbenzene	U		0.000237	0.00113	1	03/31/2018 23:13	WG1092116
1,2,3-Trimethylbenzene	U		0.000323	0.00113	1	03/31/2018 23:13	WG1092116
1,3,5-Trimethylbenzene	U		0.000299	0.00113	1	03/31/2018 23:13	WG1092116
Vinyl acetate	U	J3	0.00269	0.0113	1	03/31/2018 23:13	WG1092116
Vinyl chloride	0.858	J3	0.0164	0.0563	50	04/06/2018 01:05	WG1092116
Xylenes, Total	U	J3	0.000786	0.00338	1	03/31/2018 23:13	WG1092116
(S) Toluene-d8	*101*			*80.0-120*		*03/31/2018 23:13*	WG1092116
(S) Toluene-d8	*104*			*80.0-120*		*04/06/2018 14:19*	WG1092116
(S) Toluene-d8	*93.2*			*80.0-120*		*04/06/2018 01:05*	WG1092116
(S) Dibromofluoromethane	*102*			*74.0-131*		*04/06/2018 14:19*	WG1092116
(S) Dibromofluoromethane	*110*			*74.0-131*		*03/31/2018 23:13*	WG1092116
(S) Dibromofluoromethane	*93.6*			*74.0-131*		*04/06/2018 01:05*	WG1092116
(S) 4-Bromofluorobenzene	*106*			*64.0-132*		*03/31/2018 23:13*	WG1092116
(S) 4-Bromofluorobenzene	*99.7*			*64.0-132*		*04/06/2018 14:19*	WG1092116
(S) 4-Bromofluorobenzene	*95.3*			*64.0-132*		*04/06/2018 01:05*	WG1092116

B-244-50

Collected date/time: 03/28/18 11:14

SAMPLE RESULTS - 11

L981889

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	90.4		1	04/04/2018 14:27	WG1093165

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.0285	J J3	0.0111	0.0553	1	03/31/2018 23:34	WG1092116
Acrylonitrile	U		0.00198	0.0111	1	03/31/2018 23:34	WG1092116
Benzene	U		0.000299	0.00111	1	03/31/2018 23:34	WG1092116
Bromobenzene	U		0.000314	0.00111	1	03/31/2018 23:34	WG1092116
Bromodichloromethane	U		0.000281	0.00111	1	03/31/2018 23:34	WG1092116
Bromochloromethane	U		0.000431	0.00553	1	03/31/2018 23:34	WG1092116
Bromoform	U		0.000469	0.00111	1	03/31/2018 23:34	WG1092116
Bromomethane	U	J3	0.00148	0.00553	1	03/31/2018 23:34	WG1092116
n-Butylbenzene	U	J3	0.000285	0.00111	1	03/31/2018 23:34	WG1092116
sec-Butylbenzene	U	J3	0.000222	0.00111	1	03/31/2018 23:34	WG1092116
tert-Butylbenzene	U	J3	0.000228	0.00111	1	03/31/2018 23:34	WG1092116
Carbon disulfide	0.00124	J3	0.000244	0.00111	1	03/31/2018 23:34	WG1092116
Carbon tetrachloride	U	J3	0.000363	0.00111	1	03/31/2018 23:34	WG1092116
Chlorobenzene	U		0.000234	0.00111	1	03/31/2018 23:34	WG1092116
Chlorodibromomethane	U		0.000413	0.00111	1	03/31/2018 23:34	WG1092116
Chloroethane	U	J3	0.00105	0.00553	1	03/31/2018 23:34	WG1092116
Chloroform	U		0.000253	0.00553	1	03/31/2018 23:34	WG1092116
Chloromethane	0.000967	J J3	0.000415	0.00276	1	03/31/2018 23:34	WG1092116
2-Chlorotoluene	U		0.000333	0.00111	1	03/31/2018 23:34	WG1092116
4-Chlorotoluene	U		0.000265	0.00111	1	03/31/2018 23:34	WG1092116
1,2-Dibromo-3-Chloropropane	U		0.00116	0.00553	1	03/31/2018 23:34	WG1092116
1,2-Dibromoethane	U		0.000379	0.00111	1	03/31/2018 23:34	WG1092116
Dibromomethane	U		0.000422	0.00111	1	03/31/2018 23:34	WG1092116
1,2-Dichlorobenzene	U		0.000337	0.00111	1	03/31/2018 23:34	WG1092116
1,3-Dichlorobenzene	U		0.000264	0.00111	1	03/31/2018 23:34	WG1092116
1,4-Dichlorobenzene	U		0.000250	0.00111	1	03/31/2018 23:34	WG1092116
Dichlorodifluoromethane	U	J3	0.000789	0.00553	1	03/31/2018 23:34	WG1092116
1,1-Dichloroethane	U		0.000220	0.00111	1	03/31/2018 23:34	WG1092116
1,2-Dichloroethane	U		0.000293	0.00111	1	03/31/2018 23:34	WG1092116
1,1-Dichloroethene	0.00268	J3	0.000335	0.00111	1	03/31/2018 23:34	WG1092116
cis-1,2-Dichloroethene	4.57		0.0130	0.0553	50	04/06/2018 01:26	WG1092116
trans-1,2-Dichloroethene	0.0339	J3	0.000292	0.00111	1	03/31/2018 23:34	WG1092116
1,2-Dichloropropane	U		0.000396	0.00111	1	03/31/2018 23:34	WG1092116
1,1-Dichloropropene	U		0.000351	0.00111	1	03/31/2018 23:34	WG1092116
1,3-Dichloropropane	U		0.000229	0.00111	1	03/31/2018 23:34	WG1092116
cis-1,3-Dichloropropene	U		0.000290	0.00111	1	03/31/2018 23:34	WG1092116
trans-1,3-Dichloropropene	U		0.000295	0.00111	1	03/31/2018 23:34	WG1092116
trans-1,4-Dichloro-2-butene	U		0.000860	0.00276	1	03/31/2018 23:34	WG1092116
2,2-Dichloropropane	U	J3	0.000309	0.00111	1	03/31/2018 23:34	WG1092116
Di-isopropyl ether	U		0.000274	0.00111	1	03/31/2018 23:34	WG1092116
Ethylbenzene	U	J3	0.000328	0.00111	1	03/31/2018 23:34	WG1092116
Hexachloro-1,3-butadiene	U	J3	0.000378	0.00111	1	03/31/2018 23:34	WG1092116
2-Hexanone	U		0.00152	0.0111	1	03/31/2018 23:34	WG1092116
n-Hexane	U	J3	0.000321	0.0111	1	03/31/2018 23:34	WG1092116
Iodomethane	U	J3	0.00280	0.0111	1	03/31/2018 23:34	WG1092116
Isopropylbenzene	U		0.000269	0.00111	1	03/31/2018 23:34	WG1092116
p-Isopropyltoluene	U	J3	0.000226	0.00111	1	03/31/2018 23:34	WG1092116
2-Butanone (MEK)	U	J3	0.00518	0.0111	1	03/31/2018 23:34	WG1092116
Methylene Chloride	U		0.00111	0.00553	1	03/31/2018 23:34	WG1092116
4-Methyl-2-pentanone (MIBK)	U		0.00208	0.0111	1	03/31/2018 23:34	WG1092116

B-244-50

Collected date/time: 03/28/18 11:14

SAMPLE RESULTS - 11

L981889

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000234	0.00111	1	03/31/2018 23:34	WG1092116
Naphthalene	U		0.00111	0.00553	1	03/31/2018 23:34	WG1092116
n-Propylbenzene	U		0.000228	0.00111	1	03/31/2018 23:34	WG1092116
Styrene	U		0.000259	0.00111	1	03/31/2018 23:34	WG1092116
1,1,1,2-Tetrachloroethane	U		0.000292	0.00111	1	03/31/2018 23:34	WG1092116
1,1,2,2-Tetrachloroethane	U		0.000404	0.00111	1	03/31/2018 23:34	WG1092116
1,1,2-Trichlorotrifluoroethane	U	J3	0.000404	0.00111	1	03/31/2018 23:34	WG1092116
Tetrachloroethene	0.0352	J3	0.000305	0.00111	1	03/31/2018 23:34	WG1092116
Toluene	U		0.000480	0.00553	1	03/31/2018 23:34	WG1092116
1,2,3-Trichlorobenzene	U		0.000338	0.00111	1	03/31/2018 23:34	WG1092116
1,2,4-Trichlorobenzene	U		0.000429	0.00111	1	03/31/2018 23:34	WG1092116
1,1,1-Trichloroethane	U	J3	0.000316	0.00111	1	03/31/2018 23:34	WG1092116
1,1,2-Trichloroethane	U		0.000306	0.00111	1	03/31/2018 23:34	WG1092116
Trichloroethene	0.0107	J4	0.000309	0.00111	1	03/31/2018 23:34	WG1092116
Trichlorofluoromethane	U	J3	0.000422	0.00553	1	03/31/2018 23:34	WG1092116
1,2,3-Trichloropropane	U		0.000819	0.00276	1	03/31/2018 23:34	WG1092116
1,2,4-Trimethylbenzene	U		0.000233	0.00111	1	03/31/2018 23:34	WG1092116
1,2,3-Trimethylbenzene	U		0.000317	0.00111	1	03/31/2018 23:34	WG1092116
1,3,5-Trimethylbenzene	U		0.000294	0.00111	1	03/31/2018 23:34	WG1092116
Vinyl acetate	U	J3	0.00264	0.0111	1	03/31/2018 23:34	WG1092116
Vinyl chloride	0.0824	J3	0.000322	0.00111	1	03/31/2018 23:34	WG1092116
Xylenes, Total	U	J3	0.000772	0.00332	1	03/31/2018 23:34	WG1092116
(S) Toluene-d8	*107*			*80.0-120*		*04/06/2018 01:26*	WG1092116
(S) Toluene-d8	*99.1*			*80.0-120*		*03/31/2018 23:34*	WG1092116
(S) Dibromofluoromethane	*109*			*74.0-131*		*03/31/2018 23:34*	WG1092116
(S) Dibromofluoromethane	*93.0*			*74.0-131*		*04/06/2018 01:26*	WG1092116
(S) 4-Bromofluorobenzene	*98.2*			*64.0-132*		*04/06/2018 01:26*	WG1092116
(S) 4-Bromofluorobenzene	*105*			*64.0-132*		*03/31/2018 23:34*	WG1092116

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	90.8		1	04/04/2018 14:27	WG1093165

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.0177	J J3	0.0110	0.0551	1	03/31/2018 23:55	WG1092116
Acrylonitrile	U		0.00197	0.0110	1	03/31/2018 23:55	WG1092116
Benzene	U		0.000297	0.00110	1	03/31/2018 23:55	WG1092116
Bromobenzene	U		0.000313	0.00110	1	03/31/2018 23:55	WG1092116
Bromodichloromethane	U		0.000280	0.00110	1	03/31/2018 23:55	WG1092116
Bromochloromethane	U		0.000429	0.00551	1	03/31/2018 23:55	WG1092116
Bromoform	U		0.000467	0.00110	1	03/31/2018 23:55	WG1092116
Bromomethane	U	J3	0.00148	0.00551	1	03/31/2018 23:55	WG1092116
n-Butylbenzene	U	J3	0.000284	0.00110	1	03/31/2018 23:55	WG1092116
sec-Butylbenzene	U	J3	0.000221	0.00110	1	03/31/2018 23:55	WG1092116
tert-Butylbenzene	U	J3	0.000227	0.00110	1	03/31/2018 23:55	WG1092116
Carbon disulfide	0.00270	J3	0.000243	0.00110	1	03/31/2018 23:55	WG1092116
Carbon tetrachloride	U	J3	0.000361	0.00110	1	03/31/2018 23:55	WG1092116
Chlorobenzene	U		0.000233	0.00110	1	03/31/2018 23:55	WG1092116
Chlorodibromomethane	U		0.000411	0.00110	1	03/31/2018 23:55	WG1092116
Chloroethane	U	J3	0.00104	0.00551	1	03/31/2018 23:55	WG1092116
Chloroform	U		0.000252	0.00551	1	03/31/2018 23:55	WG1092116
Chloromethane	U	J3	0.000413	0.00275	1	03/31/2018 23:55	WG1092116
2-Chlorotoluene	U		0.000331	0.00110	1	03/31/2018 23:55	WG1092116
4-Chlorotoluene	U		0.000264	0.00110	1	03/31/2018 23:55	WG1092116
1,2-Dibromo-3-Chloropropane	U		0.00116	0.00551	1	03/31/2018 23:55	WG1092116
1,2-Dibromoethane	U		0.000378	0.00110	1	03/31/2018 23:55	WG1092116
Dibromomethane	U		0.000421	0.00110	1	03/31/2018 23:55	WG1092116
1,2-Dichlorobenzene	U		0.000336	0.00110	1	03/31/2018 23:55	WG1092116
1,3-Dichlorobenzene	U		0.000263	0.00110	1	03/31/2018 23:55	WG1092116
1,4-Dichlorobenzene	U		0.000249	0.00110	1	03/31/2018 23:55	WG1092116
Dichlorodifluoromethane	U	J3	0.000785	0.00551	1	03/31/2018 23:55	WG1092116
1,1-Dichloroethane	U		0.000219	0.00110	1	03/31/2018 23:55	WG1092116
1,2-Dichloroethane	U		0.000292	0.00110	1	03/31/2018 23:55	WG1092116
1,1-Dichloroethene	0.00501	J3	0.000334	0.00110	1	03/31/2018 23:55	WG1092116
cis-1,2-Dichloroethene	6.54		0.259	1.10	1000	04/06/2018 14:58	WG1092116
trans-1,2-Dichloroethene	0.0502	J3	0.000291	0.00110	1	03/31/2018 23:55	WG1092116
1,2-Dichloropropane	U		0.000394	0.00110	1	03/31/2018 23:55	WG1092116
1,1-Dichloropropene	U		0.000349	0.00110	1	03/31/2018 23:55	WG1092116
1,3-Dichloropropane	U		0.000228	0.00110	1	03/31/2018 23:55	WG1092116
cis-1,3-Dichloropropene	U		0.000288	0.00110	1	03/31/2018 23:55	WG1092116
trans-1,3-Dichloropropene	U		0.000294	0.00110	1	03/31/2018 23:55	WG1092116
trans-1,4-Dichloro-2-butene	U		0.000857	0.00275	1	03/31/2018 23:55	WG1092116
2,2-Dichloropropane	U	J3	0.000307	0.00110	1	03/31/2018 23:55	WG1092116
Di-isopropyl ether	U		0.000273	0.00110	1	03/31/2018 23:55	WG1092116
Ethylbenzene	U	J3	0.000327	0.00110	1	03/31/2018 23:55	WG1092116
Hexachloro-1,3-butadiene	U	J3	0.000377	0.00110	1	03/31/2018 23:55	WG1092116
2-Hexanone	U		0.00151	0.0110	1	03/31/2018 23:55	WG1092116
n-Hexane	U	J3	0.000319	0.0110	1	03/31/2018 23:55	WG1092116
Iodomethane	U	J3	0.00279	0.0110	1	03/31/2018 23:55	WG1092116
Isopropylbenzene	U		0.000268	0.00110	1	03/31/2018 23:55	WG1092116
p-Isopropyltoluene	U	J3	0.000225	0.00110	1	03/31/2018 23:55	WG1092116
2-Butanone (MEK)	U	J3	0.00515	0.0110	1	03/31/2018 23:55	WG1092116
Methylene Chloride	U		0.00110	0.00551	1	03/31/2018 23:55	WG1092116
4-Methyl-2-pentanone (MIBK)	U		0.00207	0.0110	1	03/31/2018 23:55	WG1092116

B-244-55

Collected date/time: 03/28/18 11:21

SAMPLE RESULTS - 12

L981889

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000233	0.00110	1	03/31/2018 23:55	WG1092116
Naphthalene	U		0.00110	0.00551	1	03/31/2018 23:55	WG1092116
n-Propylbenzene	U		0.000227	0.00110	1	03/31/2018 23:55	WG1092116
Styrene	U		0.000258	0.00110	1	03/31/2018 23:55	WG1092116
1,1,1,2-Tetrachloroethane	U		0.000291	0.00110	1	03/31/2018 23:55	WG1092116
1,1,2,2-Tetrachloroethane	U		0.000402	0.00110	1	03/31/2018 23:55	WG1092116
1,1,2-Trichlorotrifluoroethane	U	J3	0.000402	0.00110	1	03/31/2018 23:55	WG1092116
Tetrachloroethene	0.0635	J3	0.000304	0.00110	1	03/31/2018 23:55	WG1092116
Toluene	U		0.000478	0.00551	1	03/31/2018 23:55	WG1092116
1,2,3-Trichlorobenzene	U		0.000337	0.00110	1	03/31/2018 23:55	WG1092116
1,2,4-Trichlorobenzene	U		0.000427	0.00110	1	03/31/2018 23:55	WG1092116
1,1,1-Trichloroethane	U	J3	0.000315	0.00110	1	03/31/2018 23:55	WG1092116
1,1,2-Trichloroethane	U		0.000305	0.00110	1	03/31/2018 23:55	WG1092116
Trichloroethene	0.0408	J4	0.000307	0.00110	1	03/31/2018 23:55	WG1092116
Trichlorofluoromethane	U	J3	0.000421	0.00551	1	03/31/2018 23:55	WG1092116
1,2,3-Trichloropropane	U		0.000816	0.00275	1	03/31/2018 23:55	WG1092116
1,2,4-Trimethylbenzene	U		0.000232	0.00110	1	03/31/2018 23:55	WG1092116
1,2,3-Trimethylbenzene	U		0.000316	0.00110	1	03/31/2018 23:55	WG1092116
1,3,5-Trimethylbenzene	U		0.000293	0.00110	1	03/31/2018 23:55	WG1092116
Vinyl acetate	U	J3	0.00263	0.0110	1	03/31/2018 23:55	WG1092116
Vinyl chloride	0.0120	J3	0.000320	0.00110	1	03/31/2018 23:55	WG1092116
Xylenes, Total	U	J3	0.000769	0.00330	1	03/31/2018 23:55	WG1092116
(S) Toluene-d8	*105*			*80.0-120*		*04/06/2018 14:58*	WG1092116
(S) Toluene-d8	*98.4*			*80.0-120*		*03/31/2018 23:55*	WG1092116
(S) Dibromofluoromethane	*108*			*74.0-131*		*03/31/2018 23:55*	WG1092116
(S) Dibromofluoromethane	*100*			*74.0-131*		*04/06/2018 14:58*	WG1092116
(S) 4-Bromofluorobenzene	*106*			*64.0-132*		*03/31/2018 23:55*	WG1092116
(S) 4-Bromofluorobenzene	*99.7*			*64.0-132*		*04/06/2018 14:58*	WG1092116

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	89.6		1	04/04/2018 14:27	WG1093165

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.0411	J J3	0.0112	0.0558	1	04/01/2018 00:16	WG1092116
Acrylonitrile	U		0.00200	0.0112	1	04/01/2018 00:16	WG1092116
Benzene	U		0.000301	0.00112	1	04/01/2018 00:16	WG1092116
Bromobenzene	U		0.000317	0.00112	1	04/01/2018 00:16	WG1092116
Bromodichloromethane	U		0.000284	0.00112	1	04/01/2018 00:16	WG1092116
Bromochloromethane	U		0.000435	0.00558	1	04/01/2018 00:16	WG1092116
Bromoform	U		0.000473	0.00112	1	04/01/2018 00:16	WG1092116
Bromomethane	U	J3	0.00150	0.00558	1	04/01/2018 00:16	WG1092116
n-Butylbenzene	U	J3	0.000288	0.00112	1	04/01/2018 00:16	WG1092116
sec-Butylbenzene	U	J3	0.000224	0.00112	1	04/01/2018 00:16	WG1092116
tert-Butylbenzene	U	J3	0.000230	0.00112	1	04/01/2018 00:16	WG1092116
Carbon disulfide	0.00140	J3	0.000247	0.00112	1	04/01/2018 00:16	WG1092116
Carbon tetrachloride	U	J3	0.000366	0.00112	1	04/01/2018 00:16	WG1092116
Chlorobenzene	U		0.000237	0.00112	1	04/01/2018 00:16	WG1092116
Chlorodibromomethane	U		0.000416	0.00112	1	04/01/2018 00:16	WG1092116
Chloroethane	U	J3	0.00106	0.00558	1	04/01/2018 00:16	WG1092116
Chloroform	U		0.000256	0.00558	1	04/01/2018 00:16	WG1092116
Chloromethane	U	J3	0.000419	0.00279	1	04/01/2018 00:16	WG1092116
2-Chlorotoluene	U		0.000336	0.00112	1	04/01/2018 00:16	WG1092116
4-Chlorotoluene	U		0.000268	0.00112	1	04/01/2018 00:16	WG1092116
1,2-Dibromo-3-Chloropropane	U		0.00117	0.00558	1	04/01/2018 00:16	WG1092116
1,2-Dibromoethane	U		0.000383	0.00112	1	04/01/2018 00:16	WG1092116
Dibromomethane	U		0.000426	0.00112	1	04/01/2018 00:16	WG1092116
1,2-Dichlorobenzene	U		0.000340	0.00112	1	04/01/2018 00:16	WG1092116
1,3-Dichlorobenzene	U		0.000267	0.00112	1	04/01/2018 00:16	WG1092116
1,4-Dichlorobenzene	U		0.000252	0.00112	1	04/01/2018 00:16	WG1092116
Dichlorodifluoromethane	U	J3	0.000796	0.00558	1	04/01/2018 00:16	WG1092116
1,1-Dichloroethane	U		0.000222	0.00112	1	04/01/2018 00:16	WG1092116
1,2-Dichloroethane	U		0.000296	0.00112	1	04/01/2018 00:16	WG1092116
1,1-Dichloroethene	0.00703	J3	0.000338	0.00112	1	04/01/2018 00:16	WG1092116
cis-1,2-Dichloroethene	4.83		0.0525	0.223	200	04/06/2018 14:00	WG1092116
trans-1,2-Dichloroethene	0.0297	J3	0.000295	0.00112	1	04/01/2018 00:16	WG1092116
1,2-Dichloropropane	U		0.000400	0.00112	1	04/01/2018 00:16	WG1092116
1,1-Dichloropropene	U		0.000354	0.00112	1	04/01/2018 00:16	WG1092116
1,3-Dichloropropane	U		0.000231	0.00112	1	04/01/2018 00:16	WG1092116
cis-1,3-Dichloropropene	U		0.000292	0.00112	1	04/01/2018 00:16	WG1092116
trans-1,3-Dichloropropene	U		0.000298	0.00112	1	04/01/2018 00:16	WG1092116
trans-1,4-Dichloro-2-butene	U		0.000869	0.00279	1	04/01/2018 00:16	WG1092116
2,2-Dichloropropane	U	J3	0.000311	0.00112	1	04/01/2018 00:16	WG1092116
Di-isopropyl ether	U		0.000277	0.00112	1	04/01/2018 00:16	WG1092116
Ethylbenzene	U	J3	0.000332	0.00112	1	04/01/2018 00:16	WG1092116
Hexachloro-1,3-butadiene	U	J3	0.000382	0.00112	1	04/01/2018 00:16	WG1092116
2-Hexanone	U		0.00153	0.0112	1	04/01/2018 00:16	WG1092116
n-Hexane	U	J3	0.000324	0.0112	1	04/01/2018 00:16	WG1092116
Iodomethane	U	J3	0.00282	0.0112	1	04/01/2018 00:16	WG1092116
Isopropylbenzene	U		0.000271	0.00112	1	04/01/2018 00:16	WG1092116
p-Isopropyltoluene	U	J3	0.000228	0.00112	1	04/01/2018 00:16	WG1092116
2-Butanone (MEK)	U	J3	0.00522	0.0112	1	04/01/2018 00:16	WG1092116
Methylene Chloride	U		0.00112	0.00558	1	04/01/2018 00:16	WG1092116
4-Methyl-2-pentanone (MIBK)	U		0.00210	0.0112	1	04/01/2018 00:16	WG1092116

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000237	0.00112	1	04/01/2018 00:16	WG1092116
Naphthalene	U		0.00112	0.00558	1	04/01/2018 00:16	WG1092116
n-Propylbenzene	U		0.000230	0.00112	1	04/01/2018 00:16	WG1092116
Styrene	U		0.000261	0.00112	1	04/01/2018 00:16	WG1092116
1,1,1,2-Tetrachloroethane	U		0.000295	0.00112	1	04/01/2018 00:16	WG1092116
1,1,2,2-Tetrachloroethane	U		0.000407	0.00112	1	04/01/2018 00:16	WG1092116
1,1,2-Trichlorotrifluoroethane	U	J3	0.000407	0.00112	1	04/01/2018 00:16	WG1092116
Tetrachloroethene	5.05	J3	0.0616	0.223	200	04/06/2018 14:00	WG1092116
Toluene	U		0.000485	0.00558	1	04/01/2018 00:16	WG1092116
1,2,3-Trichlorobenzene	U		0.000342	0.00112	1	04/01/2018 00:16	WG1092116
1,2,4-Trichlorobenzene	U		0.000433	0.00112	1	04/01/2018 00:16	WG1092116
1,1,1-Trichloroethane	U	J3	0.000319	0.00112	1	04/01/2018 00:16	WG1092116
1,1,2-Trichloroethane	U		0.000309	0.00112	1	04/01/2018 00:16	WG1092116
Trichloroethene	0.127	J4	0.000311	0.00112	1	04/01/2018 00:16	WG1092116
Trichlorofluoromethane	U	J3	0.000426	0.00558	1	04/01/2018 00:16	WG1092116
1,2,3-Trichloropropane	U		0.000827	0.00279	1	04/01/2018 00:16	WG1092116
1,2,4-Trimethylbenzene	U		0.000236	0.00112	1	04/01/2018 00:16	WG1092116
1,2,3-Trimethylbenzene	U		0.000320	0.00112	1	04/01/2018 00:16	WG1092116
1,3,5-Trimethylbenzene	U		0.000297	0.00112	1	04/01/2018 00:16	WG1092116
Vinyl acetate	U	J3	0.00267	0.0112	1	04/01/2018 00:16	WG1092116
Vinyl chloride	0.0104	J3	0.000325	0.00112	1	04/01/2018 00:16	WG1092116
Xylenes, Total	U	J3	0.000779	0.00335	1	04/01/2018 00:16	WG1092116
(S) Toluene-d8	*98.2*			*80.0-120*		*04/01/2018 00:16*	WG1092116
(S) Toluene-d8	*87.0*			*80.0-120*		*04/06/2018 14:00*	WG1092116
(S) Dibromofluoromethane	*99.8*			*74.0-131*		*04/06/2018 14:00*	WG1092116
(S) Dibromofluoromethane	*107*			*74.0-131*		*04/01/2018 00:16*	WG1092116
(S) 4-Bromofluorobenzene	*98.7*			*64.0-132*		*04/06/2018 14:00*	WG1092116
(S) 4-Bromofluorobenzene	*103*			*64.0-132*		*04/01/2018 00:16*	WG1092116

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	88.2		1	04/04/2018 14:27	WG1093165

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.0220	J J3	0.0113	0.0567	1	04/01/2018 00:37	WG1092116
Acrylonitrile	U		0.00203	0.0113	1	04/01/2018 00:37	WG1092116
Benzene	0.00184		0.000306	0.00113	1	04/01/2018 00:37	WG1092116
Bromobenzene	U		0.000322	0.00113	1	04/01/2018 00:37	WG1092116
Bromodichloromethane	U		0.000288	0.00113	1	04/01/2018 00:37	WG1092116
Bromochloromethane	U		0.000442	0.00567	1	04/01/2018 00:37	WG1092116
Bromoform	U		0.000481	0.00113	1	04/01/2018 00:37	WG1092116
Bromomethane	U	J3	0.00152	0.00567	1	04/01/2018 00:37	WG1092116
n-Butylbenzene	U	J3	0.000293	0.00113	1	04/01/2018 00:37	WG1092116
sec-Butylbenzene	U	J3	0.000228	0.00113	1	04/01/2018 00:37	WG1092116
tert-Butylbenzene	U	J3	0.000234	0.00113	1	04/01/2018 00:37	WG1092116
Carbon disulfide	0.00144	J3	0.000251	0.00113	1	04/01/2018 00:37	WG1092116
Carbon tetrachloride	U	J3	0.000372	0.00113	1	04/01/2018 00:37	WG1092116
Chlorobenzene	U		0.000240	0.00113	1	04/01/2018 00:37	WG1092116
Chlorodibromomethane	U		0.000423	0.00113	1	04/01/2018 00:37	WG1092116
Chloroethane	U	J3	0.00107	0.00567	1	04/01/2018 00:37	WG1092116
Chloroform	U		0.000260	0.00567	1	04/01/2018 00:37	WG1092116
Chloromethane	U	J3	0.000425	0.00283	1	04/01/2018 00:37	WG1092116
2-Chlorotoluene	U		0.000341	0.00113	1	04/01/2018 00:37	WG1092116
4-Chlorotoluene	U		0.000272	0.00113	1	04/01/2018 00:37	WG1092116
1,2-Dibromo-3-Chloropropane	U		0.00119	0.00567	1	04/01/2018 00:37	WG1092116
1,2-Dibromoethane	U		0.000389	0.00113	1	04/01/2018 00:37	WG1092116
Dibromomethane	U		0.000433	0.00113	1	04/01/2018 00:37	WG1092116
1,2-Dichlorobenzene	U		0.000346	0.00113	1	04/01/2018 00:37	WG1092116
1,3-Dichlorobenzene	U		0.000271	0.00113	1	04/01/2018 00:37	WG1092116
1,4-Dichlorobenzene	U		0.000256	0.00113	1	04/01/2018 00:37	WG1092116
Dichlorodifluoromethane	U	J3	0.000808	0.00567	1	04/01/2018 00:37	WG1092116
1,1-Dichloroethane	U		0.000226	0.00113	1	04/01/2018 00:37	WG1092116
1,2-Dichloroethane	U		0.000300	0.00113	1	04/01/2018 00:37	WG1092116
1,1-Dichloroethene	0.00576	J3	0.000344	0.00113	1	04/01/2018 00:37	WG1092116
cis-1,2-Dichloroethene	0.918		0.0151	0.0641	56.5	04/06/2018 02:30	WG1092116
trans-1,2-Dichloroethene	0.0169	J3	0.000299	0.00113	1	04/01/2018 00:37	WG1092116
1,2-Dichloropropane	U		0.000406	0.00113	1	04/01/2018 00:37	WG1092116
1,1-Dichloropropene	U		0.000359	0.00113	1	04/01/2018 00:37	WG1092116
1,3-Dichloropropane	U		0.000235	0.00113	1	04/01/2018 00:37	WG1092116
cis-1,3-Dichloropropene	U		0.000297	0.00113	1	04/01/2018 00:37	WG1092116
trans-1,3-Dichloropropene	U		0.000303	0.00113	1	04/01/2018 00:37	WG1092116
trans-1,4-Dichloro-2-butene	U		0.000882	0.00283	1	04/01/2018 00:37	WG1092116
2,2-Dichloropropane	U	J3	0.000316	0.00113	1	04/01/2018 00:37	WG1092116
Di-isopropyl ether	U		0.000281	0.00113	1	04/01/2018 00:37	WG1092116
Ethylbenzene	U	J3	0.000337	0.00113	1	04/01/2018 00:37	WG1092116
Hexachloro-1,3-butadiene	U	J3	0.000388	0.00113	1	04/01/2018 00:37	WG1092116
2-Hexanone	U		0.00155	0.0113	1	04/01/2018 00:37	WG1092116
n-Hexane	U	J3	0.000329	0.0113	1	04/01/2018 00:37	WG1092116
Iodomethane	U	J3	0.00287	0.0113	1	04/01/2018 00:37	WG1092116
Isopropylbenzene	U		0.000275	0.00113	1	04/01/2018 00:37	WG1092116
p-Isopropyltoluene	U	J3	0.000231	0.00113	1	04/01/2018 00:37	WG1092116
2-Butanone (MEK)	0.00655	J J3	0.00531	0.0113	1	04/01/2018 00:37	WG1092116
Methylene Chloride	U		0.00113	0.00567	1	04/01/2018 00:37	WG1092116
4-Methyl-2-pentanone (MIBK)	U		0.00213	0.0113	1	04/01/2018 00:37	WG1092116

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000240	0.00113	1	04/01/2018 00:37	WG1092116
Naphthalene	U		0.00113	0.00567	1	04/01/2018 00:37	WG1092116
n-Propylbenzene	U		0.000234	0.00113	1	04/01/2018 00:37	WG1092116
Styrene	U		0.000265	0.00113	1	04/01/2018 00:37	WG1092116
1,1,1,2-Tetrachloroethane	U		0.000299	0.00113	1	04/01/2018 00:37	WG1092116
1,1,2,2-Tetrachloroethane	U		0.000414	0.00113	1	04/01/2018 00:37	WG1092116
1,1,2-Trichlorotrifluoroethane	U	J3	0.000414	0.00113	1	04/01/2018 00:37	WG1092116
Tetrachloroethene	0.504	J3	0.0177	0.0641	56.5	04/06/2018 02:30	WG1092116
Toluene	0.000670	J	0.000492	0.00567	1	04/01/2018 00:37	WG1092116
1,2,3-Trichlorobenzene	U		0.000347	0.00113	1	04/01/2018 00:37	WG1092116
1,2,4-Trichlorobenzene	U		0.000440	0.00113	1	04/01/2018 00:37	WG1092116
1,1,1-Trichloroethane	U	J3	0.000324	0.00113	1	04/01/2018 00:37	WG1092116
1,1,2-Trichloroethane	U		0.000314	0.00113	1	04/01/2018 00:37	WG1092116
Trichloroethene	0.0970	J4	0.000316	0.00113	1	04/01/2018 00:37	WG1092116
Trichlorofluoromethane	U	J3	0.000433	0.00567	1	04/01/2018 00:37	WG1092116
1,2,3-Trichloropropane	U		0.000840	0.00283	1	04/01/2018 00:37	WG1092116
1,2,4-Trimethylbenzene	U		0.000239	0.00113	1	04/01/2018 00:37	WG1092116
1,2,3-Trimethylbenzene	U		0.000325	0.00113	1	04/01/2018 00:37	WG1092116
1,3,5-Trimethylbenzene	U		0.000302	0.00113	1	04/01/2018 00:37	WG1092116
Vinyl acetate	U	J3	0.00271	0.0113	1	04/01/2018 00:37	WG1092116
Vinyl chloride	0.0244	J3	0.000330	0.00113	1	04/01/2018 00:37	WG1092116
Xylenes, Total	U	J3	0.000791	0.00340	1	04/01/2018 00:37	WG1092116
(S) Toluene-d8	*100*			*80.0-120*		*04/01/2018 00:37*	WG1092116
(S) Toluene-d8	*103*			*80.0-120*		*04/06/2018 02:30*	WG1092116
(S) Dibromofluoromethane	*93.8*			*74.0-131*		*04/06/2018 02:30*	WG1092116
(S) Dibromofluoromethane	*104*			*74.0-131*		*04/01/2018 00:37*	WG1092116
(S) 4-Bromofluorobenzene	*96.7*			*64.0-132*		*04/06/2018 02:30*	WG1092116
(S) 4-Bromofluorobenzene	*109*			*64.0-132*		*04/01/2018 00:37*	WG1092116

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	92.1		1	04/04/2018 14:27	WG1093165

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.0157	J J3	0.0109	0.0543	1	04/01/2018 00:58	WG1092116
Acrylonitrile	U		0.00194	0.0109	1	04/01/2018 00:58	WG1092116
Benzene	U		0.000293	0.00109	1	04/01/2018 00:58	WG1092116
Bromobenzene	U		0.000308	0.00109	1	04/01/2018 00:58	WG1092116
Bromodichloromethane	U		0.000276	0.00109	1	04/01/2018 00:58	WG1092116
Bromochloromethane	U		0.000423	0.00543	1	04/01/2018 00:58	WG1092116
Bromoform	U		0.000460	0.00109	1	04/01/2018 00:58	WG1092116
Bromomethane	U	J3	0.00145	0.00543	1	04/01/2018 00:58	WG1092116
n-Butylbenzene	U	J3	0.000280	0.00109	1	04/01/2018 00:58	WG1092116
sec-Butylbenzene	U	J3	0.000218	0.00109	1	04/01/2018 00:58	WG1092116
tert-Butylbenzene	U	J3	0.000224	0.00109	1	04/01/2018 00:58	WG1092116
Carbon disulfide	0.00118	J3	0.000240	0.00109	1	04/01/2018 00:58	WG1092116
Carbon tetrachloride	U	J3	0.000356	0.00109	1	04/01/2018 00:58	WG1092116
Chlorobenzene	U		0.000230	0.00109	1	04/01/2018 00:58	WG1092116
Chlorodibromomethane	U		0.000405	0.00109	1	04/01/2018 00:58	WG1092116
Chloroethane	U	J3	0.00103	0.00543	1	04/01/2018 00:58	WG1092116
Chloroform	U		0.000249	0.00543	1	04/01/2018 00:58	WG1092116
Chloromethane	U	J3	0.000407	0.00271	1	04/01/2018 00:58	WG1092116
2-Chlorotoluene	U		0.000327	0.00109	1	04/01/2018 00:58	WG1092116
4-Chlorotoluene	U		0.000261	0.00109	1	04/01/2018 00:58	WG1092116
1,2-Dibromo-3-Chloropropane	U		0.00114	0.00543	1	04/01/2018 00:58	WG1092116
1,2-Dibromoethane	U		0.000372	0.00109	1	04/01/2018 00:58	WG1092116
Dibromomethane	U		0.000415	0.00109	1	04/01/2018 00:58	WG1092116
1,2-Dichlorobenzene	U		0.000331	0.00109	1	04/01/2018 00:58	WG1092116
1,3-Dichlorobenzene	U		0.000259	0.00109	1	04/01/2018 00:58	WG1092116
1,4-Dichlorobenzene	U		0.000245	0.00109	1	04/01/2018 00:58	WG1092116
Dichlorodifluoromethane	U	J3	0.000774	0.00543	1	04/01/2018 00:58	WG1092116
1,1-Dichloroethane	U		0.000216	0.00109	1	04/01/2018 00:58	WG1092116
1,2-Dichloroethane	U		0.000288	0.00109	1	04/01/2018 00:58	WG1092116
1,1-Dichloroethene	0.0119	J3	0.000329	0.00109	1	04/01/2018 00:58	WG1092116
cis-1,2-Dichloroethene	6.08		0.255	1.09	1000	04/06/2018 14:39	WG1092116
trans-1,2-Dichloroethene	0.0240	J3	0.000287	0.00109	1	04/01/2018 00:58	WG1092116
1,2-Dichloropropane	U		0.000389	0.00109	1	04/01/2018 00:58	WG1092116
1,1-Dichloropropene	U		0.000344	0.00109	1	04/01/2018 00:58	WG1092116
1,3-Dichloropropane	U		0.000225	0.00109	1	04/01/2018 00:58	WG1092116
cis-1,3-Dichloropropene	U		0.000284	0.00109	1	04/01/2018 00:58	WG1092116
trans-1,3-Dichloropropene	U		0.000290	0.00109	1	04/01/2018 00:58	WG1092116
trans-1,4-Dichloro-2-butene	U		0.000845	0.00271	1	04/01/2018 00:58	WG1092116
2,2-Dichloropropane	U	J3	0.000303	0.00109	1	04/01/2018 00:58	WG1092116
Di-isopropyl ether	U		0.000269	0.00109	1	04/01/2018 00:58	WG1092116
Ethylbenzene	U	J3	0.000322	0.00109	1	04/01/2018 00:58	WG1092116
Hexachloro-1,3-butadiene	U	J3	0.000371	0.00109	1	04/01/2018 00:58	WG1092116
2-Hexanone	U		0.00149	0.0109	1	04/01/2018 00:58	WG1092116
n-Hexane	U	J3	0.000315	0.0109	1	04/01/2018 00:58	WG1092116
Iodomethane	U	J3	0.00275	0.0109	1	04/01/2018 00:58	WG1092116
Isopropylbenzene	U		0.000264	0.00109	1	04/01/2018 00:58	WG1092116
p-Isopropyltoluene	U	J3	0.000221	0.00109	1	04/01/2018 00:58	WG1092116
2-Butanone (MEK)	U	J3	0.00508	0.0109	1	04/01/2018 00:58	WG1092116
Methylene Chloride	U		0.00109	0.00543	1	04/01/2018 00:58	WG1092116
4-Methyl-2-pentanone (MIBK)	U		0.00204	0.0109	1	04/01/2018 00:58	WG1092116

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000230	0.00109	1	04/01/2018 00:58	WG1092116
Naphthalene	U		0.00109	0.00543	1	04/01/2018 00:58	WG1092116
n-Propylbenzene	U		0.000224	0.00109	1	04/01/2018 00:58	WG1092116
Styrene	U		0.000254	0.00109	1	04/01/2018 00:58	WG1092116
1,1,1,2-Tetrachloroethane	U		0.000287	0.00109	1	04/01/2018 00:58	WG1092116
1,1,2,2-Tetrachloroethane	U		0.000396	0.00109	1	04/01/2018 00:58	WG1092116
1,1,2-Trichlorotrifluoroethane	U	J3	0.000396	0.00109	1	04/01/2018 00:58	WG1092116
Tetrachloroethene	0.0620	J3	0.000300	0.00109	1	04/01/2018 00:58	WG1092116
Toluene	U		0.000471	0.00543	1	04/01/2018 00:58	WG1092116
1,2,3-Trichlorobenzene	U		0.000332	0.00109	1	04/01/2018 00:58	WG1092116
1,2,4-Trichlorobenzene	U		0.000421	0.00109	1	04/01/2018 00:58	WG1092116
1,1,1-Trichloroethane	U	J3	0.000310	0.00109	1	04/01/2018 00:58	WG1092116
1,1,2-Trichloroethane	U		0.000301	0.00109	1	04/01/2018 00:58	WG1092116
Trichloroethene	0.0320	J4	0.000303	0.00109	1	04/01/2018 00:58	WG1092116
Trichlorofluoromethane	U	J3	0.000415	0.00543	1	04/01/2018 00:58	WG1092116
1,2,3-Trichloropropane	U		0.000804	0.00271	1	04/01/2018 00:58	WG1092116
1,2,4-Trimethylbenzene	U		0.000229	0.00109	1	04/01/2018 00:58	WG1092116
1,2,3-Trimethylbenzene	U		0.000312	0.00109	1	04/01/2018 00:58	WG1092116
1,3,5-Trimethylbenzene	U		0.000289	0.00109	1	04/01/2018 00:58	WG1092116
Vinyl acetate	U	J3	0.00259	0.0109	1	04/01/2018 00:58	WG1092116
Vinyl chloride	0.00878	J3	0.000316	0.00109	1	04/01/2018 00:58	WG1092116
Xylenes, Total	U	J3	0.000758	0.00326	1	04/01/2018 00:58	WG1092116
(S) Toluene-d8	*101*			*80.0-120*		*04/06/2018 14:39*	WG1092116
(S) Toluene-d8	*100*			*80.0-120*		*04/01/2018 00:58*	WG1092116
(S) Dibromofluoromethane	*107*			*74.0-131*		*04/06/2018 14:39*	WG1092116
(S) Dibromofluoromethane	*108*			*74.0-131*		*04/01/2018 00:58*	WG1092116
(S) 4-Bromofluorobenzene	*105*			*64.0-132*		*04/01/2018 00:58*	WG1092116
(S) 4-Bromofluorobenzene	*96.0*			*64.0-132*		*04/06/2018 14:39*	WG1092116

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	87.2		1	04/04/2018 14:27	WG1093165

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.0128	J	0.0115	0.0573	1	04/02/2018 01:40	WG1092315
Acrylonitrile	U		0.00205	0.0115	1	04/02/2018 01:40	WG1092315
Benzene	U		0.000310	0.00115	1	04/02/2018 01:40	WG1092315
Bromobenzene	U		0.000326	0.00115	1	04/02/2018 01:40	WG1092315
Bromodichloromethane	U		0.000291	0.00115	1	04/02/2018 01:40	WG1092315
Bromochloromethane	U		0.000447	0.00573	1	04/02/2018 01:40	WG1092315
Bromoform	U		0.000486	0.00115	1	04/02/2018 01:40	WG1092315
Bromomethane	U		0.00154	0.00573	1	04/02/2018 01:40	WG1092315
n-Butylbenzene	U		0.000296	0.00115	1	04/02/2018 01:40	WG1092315
sec-Butylbenzene	U		0.000231	0.00115	1	04/02/2018 01:40	WG1092315
tert-Butylbenzene	U		0.000236	0.00115	1	04/02/2018 01:40	WG1092315
Carbon disulfide	0.000969	J	0.000253	0.00115	1	04/02/2018 01:40	WG1092315
Carbon tetrachloride	U		0.000376	0.00115	1	04/02/2018 01:40	WG1092315
Chlorobenzene	U		0.000243	0.00115	1	04/02/2018 01:40	WG1092315
Chlorodibromomethane	U		0.000428	0.00115	1	04/02/2018 01:40	WG1092315
Chloroethane	U		0.00108	0.00573	1	04/02/2018 01:40	WG1092315
Chloroform	U		0.000263	0.00573	1	04/02/2018 01:40	WG1092315
Chloromethane	U		0.000430	0.00287	1	04/02/2018 01:40	WG1092315
2-Chlorotoluene	U		0.000345	0.00115	1	04/02/2018 01:40	WG1092315
4-Chlorotoluene	U		0.000275	0.00115	1	04/02/2018 01:40	WG1092315
1,2-Dibromo-3-Chloropropane	U		0.00120	0.00573	1	04/02/2018 01:40	WG1092315
1,2-Dibromoethane	U		0.000393	0.00115	1	04/02/2018 01:40	WG1092315
Dibromomethane	U		0.000438	0.00115	1	04/02/2018 01:40	WG1092315
1,2-Dichlorobenzene	U		0.000350	0.00115	1	04/02/2018 01:40	WG1092315
1,3-Dichlorobenzene	U		0.000274	0.00115	1	04/02/2018 01:40	WG1092315
1,4-Dichlorobenzene	U		0.000259	0.00115	1	04/02/2018 01:40	WG1092315
Dichlorodifluoromethane	U		0.000818	0.00573	1	04/02/2018 01:40	WG1092315
1,1-Dichloroethane	U		0.000228	0.00115	1	04/02/2018 01:40	WG1092315
1,2-Dichloroethane	U		0.000304	0.00115	1	04/02/2018 01:40	WG1092315
1,1-Dichloroethene	0.00664		0.000348	0.00115	1	04/02/2018 01:40	WG1092315
cis-1,2-Dichloroethene	5.77		0.0135	0.0573	50	04/06/2018 04:15	WG1092315
trans-1,2-Dichloroethene	0.00337		0.000303	0.00115	1	04/02/2018 01:40	WG1092315
1,2-Dichloropropane	U		0.000411	0.00115	1	04/02/2018 01:40	WG1092315
1,1-Dichloropropene	U		0.000364	0.00115	1	04/02/2018 01:40	WG1092315
1,3-Dichloropropane	U		0.000237	0.00115	1	04/02/2018 01:40	WG1092315
cis-1,3-Dichloropropene	U		0.000300	0.00115	1	04/02/2018 01:40	WG1092315
trans-1,3-Dichloropropene	U		0.000306	0.00115	1	04/02/2018 01:40	WG1092315
trans-1,4-Dichloro-2-butene	U		0.000892	0.00287	1	04/02/2018 01:40	WG1092315
2,2-Dichloropropane	U		0.000320	0.00115	1	04/02/2018 01:40	WG1092315
Di-isopropyl ether	U		0.000284	0.00115	1	04/02/2018 01:40	WG1092315
Ethylbenzene	U		0.000341	0.00115	1	04/02/2018 01:40	WG1092315
Hexachloro-1,3-butadiene	U		0.000392	0.00115	1	04/02/2018 01:40	WG1092315
2-Hexanone	U		0.00157	0.0115	1	04/02/2018 01:40	WG1092315
n-Hexane	0.000507	B J	0.000333	0.0115	1	04/02/2018 01:40	WG1092315
Iodomethane	U		0.00290	0.0115	1	04/02/2018 01:40	WG1092315
Isopropylbenzene	U		0.000279	0.00115	1	04/02/2018 01:40	WG1092315
p-Isopropyltoluene	U		0.000234	0.00115	1	04/02/2018 01:40	WG1092315
2-Butanone (MEK)	U		0.00537	0.0115	1	04/02/2018 01:40	WG1092315
Methylene Chloride	U		0.00115	0.00573	1	04/02/2018 01:40	WG1092315
4-Methyl-2-pentanone (MIBK)	U		0.00216	0.0115	1	04/02/2018 01:40	WG1092315

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000243	0.00115	1	04/02/2018 01:40	WG1092315
Naphthalene	U		0.00115	0.00573	1	04/02/2018 01:40	WG1092315
n-Propylbenzene	U		0.000236	0.00115	1	04/02/2018 01:40	WG1092315
Styrene	U		0.000268	0.00115	1	04/02/2018 01:40	WG1092315
1,1,1,2-Tetrachloroethane	U		0.000303	0.00115	1	04/02/2018 01:40	WG1092315
1,1,2,2-Tetrachloroethane	U		0.000419	0.00115	1	04/02/2018 01:40	WG1092315
1,1,2-Trichlorotrifluoroethane	U		0.000419	0.00115	1	04/02/2018 01:40	WG1092315
Tetrachloroethene	0.00375		0.000317	0.00115	1	04/02/2018 01:40	WG1092315
Toluene	U		0.000498	0.00573	1	04/02/2018 01:40	WG1092315
1,2,3-Trichlorobenzene	U		0.000351	0.00115	1	04/02/2018 01:40	WG1092315
1,2,4-Trichlorobenzene	U		0.000445	0.00115	1	04/02/2018 01:40	WG1092315
1,1,1-Trichloroethane	U		0.000328	0.00115	1	04/02/2018 01:40	WG1092315
1,1,2-Trichloroethane	U		0.000318	0.00115	1	04/02/2018 01:40	WG1092315
Trichloroethene	0.00183		0.000320	0.00115	1	04/02/2018 01:40	WG1092315
Trichlorofluoromethane	U		0.000438	0.00573	1	04/02/2018 01:40	WG1092315
1,2,3-Trichloropropane	U		0.000850	0.00287	1	04/02/2018 01:40	WG1092315
1,2,4-Trimethylbenzene	U		0.000242	0.00115	1	04/02/2018 01:40	WG1092315
1,2,3-Trimethylbenzene	U		0.000329	0.00115	1	04/02/2018 01:40	WG1092315
1,3,5-Trimethylbenzene	U		0.000305	0.00115	1	04/02/2018 01:40	WG1092315
Vinyl acetate	U		0.00274	0.0115	1	04/02/2018 01:40	WG1092315
Vinyl chloride	0.0252		0.000334	0.00115	1	04/02/2018 01:40	WG1092315
Xylenes, Total	U		0.000801	0.00344	1	04/02/2018 01:40	WG1092315
(S) Toluene-d8	*103*			*80.0-120*		*04/02/2018 01:40*	WG1092315
(S) Toluene-d8	*106*			*80.0-120*		*04/06/2018 04:15*	WG1092315
(S) Dibromofluoromethane	*91.5*			*74.0-131*		*04/06/2018 04:15*	WG1092315
(S) Dibromofluoromethane	*99.9*			*74.0-131*		*04/02/2018 01:40*	WG1092315
(S) 4-Bromofluorobenzene	*102*			*64.0-132*		*04/02/2018 01:40*	WG1092315
(S) 4-Bromofluorobenzene	*96.7*			*64.0-132*		*04/06/2018 04:15*	WG1092315

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch
Analyte	%			date / time	
Total Solids	86.0		1	04/04/2018 14:27	WG1093165

Volatile Organic Compounds (GC/MS) by Method 8260C

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0116	0.0581	1	04/02/2018 02:01	WG1092315
Acrylonitrile	U		0.00208	0.0116	1	04/02/2018 02:01	WG1092315
Benzene	U		0.000314	0.00116	1	04/02/2018 02:01	WG1092315
Bromobenzene	U		0.000330	0.00116	1	04/02/2018 02:01	WG1092315
Bromodichloromethane	U		0.000295	0.00116	1	04/02/2018 02:01	WG1092315
Bromochloromethane	U		0.000453	0.00581	1	04/02/2018 02:01	WG1092315
Bromoform	U		0.000493	0.00116	1	04/02/2018 02:01	WG1092315
Bromomethane	U		0.00156	0.00581	1	04/02/2018 02:01	WG1092315
n-Butylbenzene	U		0.000300	0.00116	1	04/02/2018 02:01	WG1092315
sec-Butylbenzene	U		0.000234	0.00116	1	04/02/2018 02:01	WG1092315
tert-Butylbenzene	U		0.000239	0.00116	1	04/02/2018 02:01	WG1092315
Carbon disulfide	U		0.000257	0.00116	1	04/02/2018 02:01	WG1092315
Carbon tetrachloride	U		0.000381	0.00116	1	04/02/2018 02:01	WG1092315
Chlorobenzene	U		0.000246	0.00116	1	04/02/2018 02:01	WG1092315
Chlorodibromomethane	U		0.000434	0.00116	1	04/02/2018 02:01	WG1092315
Chloroethane	U		0.00110	0.00581	1	04/02/2018 02:01	WG1092315
Chloroform	U		0.000266	0.00581	1	04/02/2018 02:01	WG1092315
Chloromethane	U		0.000436	0.00291	1	04/02/2018 02:01	WG1092315
2-Chlorotoluene	U		0.000350	0.00116	1	04/02/2018 02:01	WG1092315
4-Chlorotoluene	U		0.000279	0.00116	1	04/02/2018 02:01	WG1092315
1,2-Dibromo-3-Chloropropane	U		0.00122	0.00581	1	04/02/2018 02:01	WG1092315
1,2-Dibromoethane	U		0.000399	0.00116	1	04/02/2018 02:01	WG1092315
Dibromomethane	U		0.000444	0.00116	1	04/02/2018 02:01	WG1092315
1,2-Dichlorobenzene	U		0.000355	0.00116	1	04/02/2018 02:01	WG1092315
1,3-Dichlorobenzene	U		0.000278	0.00116	1	04/02/2018 02:01	WG1092315
1,4-Dichlorobenzene	U		0.000263	0.00116	1	04/02/2018 02:01	WG1092315
Dichlorodifluoromethane	U		0.000829	0.00581	1	04/02/2018 02:01	WG1092315
1,1-Dichloroethane	U		0.000231	0.00116	1	04/02/2018 02:01	WG1092315
1,2-Dichloroethane	U		0.000308	0.00116	1	04/02/2018 02:01	WG1092315
1,1-Dichloroethene	U		0.000352	0.00116	1	04/02/2018 02:01	WG1092315
cis-1,2-Dichloroethene	0.0188		0.000273	0.00116	1	04/06/2018 04:37	WG1092315
trans-1,2-Dichloroethene	0.000314	J	0.000307	0.00116	1	04/02/2018 02:01	WG1092315
1,2-Dichloropropane	U		0.000416	0.00116	1	04/02/2018 02:01	WG1092315
1,1-Dichloropropene	U		0.000369	0.00116	1	04/02/2018 02:01	WG1092315
1,3-Dichloropropane	U		0.000241	0.00116	1	04/02/2018 02:01	WG1092315
cis-1,3-Dichloropropene	U		0.000305	0.00116	1	04/02/2018 02:01	WG1092315
trans-1,3-Dichloropropene	U		0.000310	0.00116	1	04/02/2018 02:01	WG1092315
trans-1,4-Dichloro-2-butene	U		0.000904	0.00291	1	04/02/2018 02:01	WG1092315
2,2-Dichloropropane	U		0.000324	0.00116	1	04/02/2018 02:01	WG1092315
Di-isopropyl ether	U		0.000288	0.00116	1	04/02/2018 02:01	WG1092315
Ethylbenzene	U		0.000345	0.00116	1	04/02/2018 02:01	WG1092315
Hexachloro-1,3-butadiene	U		0.000398	0.00116	1	04/02/2018 02:01	WG1092315
2-Hexanone	U		0.00159	0.0116	1	04/02/2018 02:01	WG1092315
n-Hexane	0.000649	B J	0.000337	0.0116	1	04/02/2018 02:01	WG1092315
Iodomethane	U		0.00294	0.0116	1	04/02/2018 02:01	WG1092315
Isopropylbenzene	U		0.000282	0.00116	1	04/02/2018 02:01	WG1092315
p-Isopropyltoluene	U		0.000237	0.00116	1	04/02/2018 02:01	WG1092315
2-Butanone (MEK)	U		0.00544	0.0116	1	04/02/2018 02:01	WG1092315
Methylene Chloride	U		0.00116	0.00581	1	04/02/2018 02:01	WG1092315
4-Methyl-2-pentanone (MIBK)	U		0.00219	0.0116	1	04/02/2018 02:01	WG1092315

Volatile Organic Compounds (GC/MS) by Method 8260C

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg		date / time	
Methyl tert-butyl ether	U		0.000246	0.00116	1	04/02/2018 02:01	WG1092315
Naphthalene	U		0.00116	0.00581	1	04/02/2018 02:01	WG1092315
n-Propylbenzene	U		0.000239	0.00116	1	04/02/2018 02:01	WG1092315
Styrene	U		0.000272	0.00116	1	04/02/2018 02:01	WG1092315
1,1,1,2-Tetrachloroethane	U		0.000307	0.00116	1	04/02/2018 02:01	WG1092315
1,1,2,2-Tetrachloroethane	U		0.000424	0.00116	1	04/02/2018 02:01	WG1092315
1,1,2-Trichlorotrifluoroethane	U		0.000424	0.00116	1	04/02/2018 02:01	WG1092315
Tetrachloroethene	0.00219		0.000321	0.00116	1	04/02/2018 02:01	WG1092315
Toluene	U		0.000505	0.00581	1	04/02/2018 02:01	WG1092315
1,2,3-Trichlorobenzene	U		0.000356	0.00116	1	04/02/2018 02:01	WG1092315
1,2,4-Trichlorobenzene	U		0.000451	0.00116	1	04/02/2018 02:01	WG1092315
1,1,1-Trichloroethane	U		0.000332	0.00116	1	04/02/2018 02:01	WG1092315
1,1,2-Trichloroethane	U		0.000322	0.00116	1	04/02/2018 02:01	WG1092315
Trichloroethene	0.000678	J	0.000324	0.00116	1	04/02/2018 02:01	WG1092315
Trichlorofluoromethane	U		0.000444	0.00581	1	04/02/2018 02:01	WG1092315
1,2,3-Trichloropropane	U		0.000861	0.00291	1	04/02/2018 02:01	WG1092315
1,2,4-Trimethylbenzene	U		0.000245	0.00116	1	04/02/2018 02:01	WG1092315
1,2,3-Trimethylbenzene	U		0.000334	0.00116	1	04/02/2018 02:01	WG1092315
1,3,5-Trimethylbenzene	U		0.000309	0.00116	1	04/02/2018 02:01	WG1092315
Vinyl acetate	U		0.00278	0.0116	1	04/02/2018 02:01	WG1092315
Vinyl chloride	0.00399		0.000338	0.00116	1	04/02/2018 02:01	WG1092315
Xylenes, Total	U		0.000811	0.00349	1	04/02/2018 02:01	WG1092315
(S) Toluene-d8	*104*			*80.0-120*		*04/02/2018 02:01*	WG1092315
(S) Toluene-d8	*101*			*80.0-120*		*04/06/2018 04:37*	WG1092315
(S) Dibromofluoromethane	*102*			*74.0-131*		*04/02/2018 02:01*	WG1092315
(S) Dibromofluoromethane	*100*			*74.0-131*		*04/06/2018 04:37*	WG1092315
(S) 4-Bromofluorobenzene	*97.4*			*64.0-132*		*04/06/2018 04:37*	WG1092315
(S) 4-Bromofluorobenzene	*103*			*64.0-132*		*04/02/2018 02:01*	WG1092315

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	91.9		1	04/04/2018 14:27	WG1093165

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.0151	J	0.0109	0.0544	1	04/02/2018 02:22	WG1092315
Acrylonitrile	U		0.00195	0.0109	1	04/02/2018 02:22	WG1092315
Benzene	U		0.000294	0.00109	1	04/02/2018 02:22	WG1092315
Bromobenzene	U		0.000309	0.00109	1	04/02/2018 02:22	WG1092315
Bromodichloromethane	U		0.000277	0.00109	1	04/02/2018 02:22	WG1092315
Bromochloromethane	U		0.000425	0.00544	1	04/02/2018 02:22	WG1092315
Bromoform	U		0.000462	0.00109	1	04/02/2018 02:22	WG1092315
Bromomethane	U		0.00146	0.00544	1	04/02/2018 02:22	WG1092315
n-Butylbenzene	U		0.000281	0.00109	1	04/02/2018 02:22	WG1092315
sec-Butylbenzene	U		0.000219	0.00109	1	04/02/2018 02:22	WG1092315
tert-Butylbenzene	U		0.000224	0.00109	1	04/02/2018 02:22	WG1092315
Carbon disulfide	0.000931	J	0.000241	0.00109	1	04/02/2018 02:22	WG1092315
Carbon tetrachloride	U		0.000357	0.00109	1	04/02/2018 02:22	WG1092315
Chlorobenzene	U		0.000231	0.00109	1	04/02/2018 02:22	WG1092315
Chlorodibromomethane	U		0.000406	0.00109	1	04/02/2018 02:22	WG1092315
Chloroethane	U		0.00103	0.00544	1	04/02/2018 02:22	WG1092315
Chloroform	U		0.000249	0.00544	1	04/02/2018 02:22	WG1092315
Chloromethane	U		0.000408	0.00272	1	04/02/2018 02:22	WG1092315
2-Chlorotoluene	U		0.000328	0.00109	1	04/02/2018 02:22	WG1092315
4-Chlorotoluene	U		0.000261	0.00109	1	04/02/2018 02:22	WG1092315
1,2-Dibromo-3-Chloropropane	U		0.00114	0.00544	1	04/02/2018 02:22	WG1092315
1,2-Dibromoethane	U		0.000373	0.00109	1	04/02/2018 02:22	WG1092315
Dibromomethane	U		0.000416	0.00109	1	04/02/2018 02:22	WG1092315
1,2-Dichlorobenzene	U		0.000332	0.00109	1	04/02/2018 02:22	WG1092315
1,3-Dichlorobenzene	U		0.000260	0.00109	1	04/02/2018 02:22	WG1092315
1,4-Dichlorobenzene	U		0.000246	0.00109	1	04/02/2018 02:22	WG1092315
Dichlorodifluoromethane	U		0.000776	0.00544	1	04/02/2018 02:22	WG1092315
1,1-Dichloroethane	U		0.000217	0.00109	1	04/02/2018 02:22	WG1092315
1,2-Dichloroethane	U		0.000288	0.00109	1	04/02/2018 02:22	WG1092315
1,1-Dichloroethene	0.0143		0.000330	0.00109	1	04/02/2018 02:22	WG1092315
cis-1,2-Dichloroethene	6.39		0.0512	0.218	200	04/06/2018 04:58	WG1092315
trans-1,2-Dichloroethene	0.0209		0.000287	0.00109	1	04/02/2018 02:22	WG1092315
1,2-Dichloropropane	U		0.000390	0.00109	1	04/02/2018 02:22	WG1092315
1,1-Dichloropropene	U		0.000345	0.00109	1	04/02/2018 02:22	WG1092315
1,3-Dichloropropane	U		0.000225	0.00109	1	04/02/2018 02:22	WG1092315
cis-1,3-Dichloropropene	U		0.000285	0.00109	1	04/02/2018 02:22	WG1092315
trans-1,3-Dichloropropene	U		0.000291	0.00109	1	04/02/2018 02:22	WG1092315
trans-1,4-Dichloro-2-butene	U		0.000847	0.00272	1	04/02/2018 02:22	WG1092315
2,2-Dichloropropane	U		0.000304	0.00109	1	04/02/2018 02:22	WG1092315
Di-isopropyl ether	U		0.000270	0.00109	1	04/02/2018 02:22	WG1092315
Ethylbenzene	U		0.000323	0.00109	1	04/02/2018 02:22	WG1092315
Hexachloro-1,3-butadiene	U		0.000372	0.00109	1	04/02/2018 02:22	WG1092315
2-Hexanone	U		0.00149	0.0109	1	04/02/2018 02:22	WG1092315
n-Hexane	0.00100	B J	0.000316	0.0109	1	04/02/2018 02:22	WG1092315
Iodomethane	U		0.00275	0.0109	1	04/02/2018 02:22	WG1092315
Isopropylbenzene	U		0.000265	0.00109	1	04/02/2018 02:22	WG1092315
p-Isopropyltoluene	U		0.000222	0.00109	1	04/02/2018 02:22	WG1092315
2-Butanone (MEK)	U		0.00509	0.0109	1	04/02/2018 02:22	WG1092315
Methylene Chloride	U		0.00109	0.00544	1	04/02/2018 02:22	WG1092315
4-Methyl-2-pentanone (MIBK)	U		0.00205	0.0109	1	04/02/2018 02:22	WG1092315

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000231	0.00109	1	04/02/2018 02:22	WG1092315
Naphthalene	U		0.00109	0.00544	1	04/02/2018 02:22	WG1092315
n-Propylbenzene	U		0.000224	0.00109	1	04/02/2018 02:22	WG1092315
Styrene	U		0.000255	0.00109	1	04/02/2018 02:22	WG1092315
1,1,1,2-Tetrachloroethane	U		0.000287	0.00109	1	04/02/2018 02:22	WG1092315
1,1,2,2-Tetrachloroethane	U		0.000397	0.00109	1	04/02/2018 02:22	WG1092315
1,1,2-Trichlorotrifluoroethane	U		0.000397	0.00109	1	04/02/2018 02:22	WG1092315
Tetrachloroethene	0.0176		0.000300	0.00109	1	04/02/2018 02:22	WG1092315
Toluene	U		0.000472	0.00544	1	04/02/2018 02:22	WG1092315
1,2,3-Trichlorobenzene	U		0.000333	0.00109	1	04/02/2018 02:22	WG1092315
1,2,4-Trichlorobenzene	U		0.000422	0.00109	1	04/02/2018 02:22	WG1092315
1,1,1-Trichloroethane	U		0.000311	0.00109	1	04/02/2018 02:22	WG1092315
1,1,2-Trichloroethane	U		0.000302	0.00109	1	04/02/2018 02:22	WG1092315
Trichloroethene	0.00987		0.000304	0.00109	1	04/02/2018 02:22	WG1092315
Trichlorofluoromethane	U		0.000416	0.00544	1	04/02/2018 02:22	WG1092315
1,2,3-Trichloropropane	U		0.000807	0.00272	1	04/02/2018 02:22	WG1092315
1,2,4-Trimethylbenzene	U		0.000230	0.00109	1	04/02/2018 02:22	WG1092315
1,2,3-Trimethylbenzene	U		0.000312	0.00109	1	04/02/2018 02:22	WG1092315
1,3,5-Trimethylbenzene	U		0.000290	0.00109	1	04/02/2018 02:22	WG1092315
Vinyl acetate	U		0.00260	0.0109	1	04/02/2018 02:22	WG1092315
Vinyl chloride	0.0139		0.000317	0.00109	1	04/02/2018 02:22	WG1092315
Xylenes, Total	U		0.000760	0.00327	1	04/02/2018 02:22	WG1092315
(S) Toluene-d8	*102*			*80.0-120*		*04/02/2018 02:22*	WG1092315
(S) Toluene-d8	*109*			*80.0-120*		*04/06/2018 04:58*	WG1092315
(S) Dibromofluoromethane	*108*			*74.0-131*		*04/02/2018 02:22*	WG1092315
(S) Dibromofluoromethane	*91.9*			*74.0-131*		*04/06/2018 04:58*	WG1092315
(S) 4-Bromofluorobenzene	*96.2*			*64.0-132*		*04/06/2018 04:58*	WG1092315
(S) 4-Bromofluorobenzene	*104*			*64.0-132*		*04/02/2018 02:22*	WG1092315

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		1.05	25.0	1	03/31/2018 18:26	WG1092115
Acrylonitrile	U	J0	0.873	5.00	1	03/31/2018 18:26	WG1092115
Benzene	U		0.0896	0.500	1	03/31/2018 18:26	WG1092115
Bromobenzene	U		0.133	0.500	1	03/31/2018 18:26	WG1092115
Bromodichloromethane	U		0.0800	0.500	1	03/31/2018 18:26	WG1092115
Bromochloromethane	U		0.145	0.500	1	03/31/2018 18:26	WG1092115
Bromoform	U		0.186	0.500	1	03/31/2018 18:26	WG1092115
Bromomethane	U		0.157	2.50	1	03/31/2018 18:26	WG1092115
n-Butylbenzene	U		0.143	0.500	1	03/31/2018 18:26	WG1092115
sec-Butylbenzene	U		0.134	0.500	1	03/31/2018 18:26	WG1092115
tert-Butylbenzene	U		0.183	0.500	1	03/31/2018 18:26	WG1092115
Carbon disulfide	U		0.101	0.500	1	03/31/2018 18:26	WG1092115
Carbon tetrachloride	U		0.159	0.500	1	03/31/2018 18:26	WG1092115
Chlorobenzene	U		0.140	0.500	1	03/31/2018 18:26	WG1092115
Chlorodibromomethane	U		0.128	0.500	1	03/31/2018 18:26	WG1092115
Chloroethane	U		0.141	2.50	1	03/31/2018 18:26	WG1092115
Chloroform	U		0.0860	0.500	1	03/31/2018 18:26	WG1092115
Chloromethane	U		0.153	1.25	1	03/31/2018 18:26	WG1092115
2-Chlorotoluene	U		0.111	0.500	1	03/31/2018 18:26	WG1092115
4-Chlorotoluene	U		0.0972	0.500	1	03/31/2018 18:26	WG1092115
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	03/31/2018 18:26	WG1092115
1,2-Dibromoethane	U		0.193	0.500	1	03/31/2018 18:26	WG1092115
Dibromomethane	U		0.117	0.500	1	03/31/2018 18:26	WG1092115
1,2-Dichlorobenzene	U		0.101	0.500	1	03/31/2018 18:26	WG1092115
1,3-Dichlorobenzene	U		0.130	0.500	1	03/31/2018 18:26	WG1092115
1,4-Dichlorobenzene	U		0.121	0.500	1	03/31/2018 18:26	WG1092115
Dichlorodifluoromethane	U		0.127	2.50	1	03/31/2018 18:26	WG1092115
1,1-Dichloroethane	U		0.114	0.500	1	03/31/2018 18:26	WG1092115
1,2-Dichloroethane	U		0.108	0.500	1	03/31/2018 18:26	WG1092115
1,1-Dichloroethene	U		0.188	0.500	1	03/31/2018 18:26	WG1092115
cis-1,2-Dichloroethene	U	J0	0.0933	0.500	1	03/31/2018 18:26	WG1092115
trans-1,2-Dichloroethene	U		0.152	0.500	1	03/31/2018 18:26	WG1092115
1,2-Dichloropropane	U		0.190	0.500	1	03/31/2018 18:26	WG1092115
1,1-Dichloropropene	U		0.128	0.500	1	03/31/2018 18:26	WG1092115
1,3-Dichloropropane	U		0.147	1.00	1	03/31/2018 18:26	WG1092115
cis-1,3-Dichloropropene	U		0.0976	0.500	1	03/31/2018 18:26	WG1092115
trans-1,3-Dichloropropene	U		0.222	0.500	1	03/31/2018 18:26	WG1092115
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	03/31/2018 18:26	WG1092115
2,2-Dichloropropane	U		0.0929	0.500	1	03/31/2018 18:26	WG1092115
Di-isopropyl ether	U		0.0924	0.500	1	03/31/2018 18:26	WG1092115
Ethylbenzene	U		0.158	0.500	1	03/31/2018 18:26	WG1092115
Hexachloro-1,3-butadiene	U		0.157	1.00	1	03/31/2018 18:26	WG1092115
2-Hexanone	U		0.757	5.00	1	03/31/2018 18:26	WG1092115
n-Hexane	U		0.305	5.00	1	03/31/2018 18:26	WG1092115
Iodomethane	U		0.377	10.0	1	03/31/2018 18:26	WG1092115
Isopropylbenzene	U		0.126	0.500	1	03/31/2018 18:26	WG1092115
p-Isopropyltoluene	U		0.138	0.500	1	03/31/2018 18:26	WG1092115
2-Butanone (MEK)	U		1.28	5.00	1	03/31/2018 18:26	WG1092115
Methylene Chloride	U		1.07	2.50	1	03/31/2018 18:26	WG1092115
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	03/31/2018 18:26	WG1092115
Methyl tert-butyl ether	U		0.102	0.500	1	03/31/2018 18:26	WG1092115
Naphthalene	U		0.174	2.50	1	03/31/2018 18:26	WG1092115
n-Propylbenzene	U		0.162	0.500	1	03/31/2018 18:26	WG1092115
Styrene	U		0.117	0.500	1	03/31/2018 18:26	WG1092115
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	03/31/2018 18:26	WG1092115
1,1,2,2-Tetrachloroethane	U	J0	0.130	0.500	1	03/31/2018 18:26	WG1092115

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	03/31/2018 18:26	WG1092115
Tetrachloroethene	U		0.199	0.500	1	03/31/2018 18:26	WG1092115
Toluene	U		0.412	0.500	1	03/31/2018 18:26	WG1092115
1,2,3-Trichlorobenzene	U		0.164	0.500	1	03/31/2018 18:26	WG1092115
1,2,4-Trichlorobenzene	U		0.355	0.500	1	03/31/2018 18:26	WG1092115
1,1,1-Trichloroethane	U		0.0940	0.500	1	03/31/2018 18:26	WG1092115
1,1,2-Trichloroethane	U		0.186	0.500	1	03/31/2018 18:26	WG1092115
Trichloroethene	U		0.153	0.500	1	03/31/2018 18:26	WG1092115
Trichlorofluoromethane	U	J4	0.130	2.50	1	03/31/2018 18:26	WG1092115
1,2,3-Trichloropropane	U		0.247	2.50	1	03/31/2018 18:26	WG1092115
1,2,4-Trimethylbenzene	U		0.123	0.500	1	03/31/2018 18:26	WG1092115
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	03/31/2018 18:26	WG1092115
1,3,5-Trimethylbenzene	U		0.124	0.500	1	03/31/2018 18:26	WG1092115
Vinyl acetate	U		0.645	5.00	1	03/31/2018 18:26	WG1092115
Vinyl chloride	U		0.118	0.500	1	03/31/2018 18:26	WG1092115
Xylenes, Total	U		0.316	1.50	1	03/31/2018 18:26	WG1092115
(S) Toluene-d8	*102*			*80.0-120*		*03/31/2018 18:26*	WG1092115
(S) Dibromofluoromethane	*107*			*76.0-123*		*03/31/2018 18:26*	WG1092115
(S) 4-Bromofluorobenzene	*96.1*			*80.0-120*		*03/31/2018 18:26*	WG1092115

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	91.9		1	04/04/2018 14:15	WG1093167

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.0278	J	0.0109	0.0544	1	04/02/2018 02:43	WG1092315
Acrylonitrile	U		0.00195	0.0109	1	04/02/2018 02:43	WG1092315
Benzene	U		0.000294	0.00109	1	04/02/2018 02:43	WG1092315
Bromobenzene	U		0.000309	0.00109	1	04/02/2018 02:43	WG1092315
Bromodichloromethane	U		0.000276	0.00109	1	04/02/2018 02:43	WG1092315
Bromochloromethane	U		0.000424	0.00544	1	04/02/2018 02:43	WG1092315
Bromoform	U		0.000461	0.00109	1	04/02/2018 02:43	WG1092315
Bromomethane	U		0.00146	0.00544	1	04/02/2018 02:43	WG1092315
n-Butylbenzene	U		0.000281	0.00109	1	04/02/2018 02:43	WG1092315
sec-Butylbenzene	U		0.000219	0.00109	1	04/02/2018 02:43	WG1092315
tert-Butylbenzene	U		0.000224	0.00109	1	04/02/2018 02:43	WG1092315
Carbon disulfide	U		0.000240	0.00109	1	04/02/2018 02:43	WG1092315
Carbon tetrachloride	U		0.000357	0.00109	1	04/02/2018 02:43	WG1092315
Chlorobenzene	U		0.000231	0.00109	1	04/02/2018 02:43	WG1092315
Chlorodibromomethane	U		0.000406	0.00109	1	04/02/2018 02:43	WG1092315
Chloroethane	U		0.00103	0.00544	1	04/02/2018 02:43	WG1092315
Chloroform	U		0.000249	0.00544	1	04/02/2018 02:43	WG1092315
Chloromethane	U		0.000408	0.00272	1	04/02/2018 02:43	WG1092315
2-Chlorotoluene	U		0.000328	0.00109	1	04/02/2018 02:43	WG1092315
4-Chlorotoluene	U		0.000261	0.00109	1	04/02/2018 02:43	WG1092315
1,2-Dibromo-3-Chloropropane	U		0.00114	0.00544	1	04/02/2018 02:43	WG1092315
1,2-Dibromoethane	U		0.000373	0.00109	1	04/02/2018 02:43	WG1092315
Dibromomethane	U		0.000416	0.00109	1	04/02/2018 02:43	WG1092315
1,2-Dichlorobenzene	U		0.000332	0.00109	1	04/02/2018 02:43	WG1092315
1,3-Dichlorobenzene	U		0.000260	0.00109	1	04/02/2018 02:43	WG1092315
1,4-Dichlorobenzene	U		0.000246	0.00109	1	04/02/2018 02:43	WG1092315
Dichlorodifluoromethane	U		0.000776	0.00544	1	04/02/2018 02:43	WG1092315
1,1-Dichloroethane	U		0.000217	0.00109	1	04/02/2018 02:43	WG1092315
1,2-Dichloroethane	U		0.000288	0.00109	1	04/02/2018 02:43	WG1092315
1,1-Dichloroethene	U		0.000330	0.00109	1	04/02/2018 02:43	WG1092315
cis-1,2-Dichloroethene	0.000490	J	0.000256	0.00109	1	04/06/2018 05:19	WG1092315
trans-1,2-Dichloroethene	U		0.000287	0.00109	1	04/02/2018 02:43	WG1092315
1,2-Dichloropropane	U		0.000390	0.00109	1	04/02/2018 02:43	WG1092315
1,1-Dichloropropene	U		0.000345	0.00109	1	04/02/2018 02:43	WG1092315
1,3-Dichloropropane	U		0.000225	0.00109	1	04/02/2018 02:43	WG1092315
cis-1,3-Dichloropropene	U		0.000285	0.00109	1	04/02/2018 02:43	WG1092315
trans-1,3-Dichloropropene	U		0.000291	0.00109	1	04/02/2018 02:43	WG1092315
trans-1,4-Dichloro-2-butene	U		0.000847	0.00272	1	04/02/2018 02:43	WG1092315
2,2-Dichloropropane	U		0.000304	0.00109	1	04/02/2018 02:43	WG1092315
Di-isopropyl ether	U		0.000270	0.00109	1	04/02/2018 02:43	WG1092315
Ethylbenzene	U		0.000323	0.00109	1	04/02/2018 02:43	WG1092315
Hexachloro-1,3-butadiene	U		0.000372	0.00109	1	04/02/2018 02:43	WG1092315
2-Hexanone	U		0.00149	0.0109	1	04/02/2018 02:43	WG1092315
n-Hexane	0.000383	B J	0.000316	0.0109	1	04/02/2018 02:43	WG1092315
Iodomethane	U		0.00275	0.0109	1	04/02/2018 02:43	WG1092315
Isopropylbenzene	U		0.000264	0.00109	1	04/02/2018 02:43	WG1092315
p-Isopropyltoluene	U		0.000222	0.00109	1	04/02/2018 02:43	WG1092315
2-Butanone (MEK)	U		0.00509	0.0109	1	04/02/2018 02:43	WG1092315
Methylene Chloride	U		0.00109	0.00544	1	04/02/2018 02:43	WG1092315
4-Methyl-2-pentanone (MIBK)	U		0.00205	0.0109	1	04/02/2018 02:43	WG1092315

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000231	0.00109	1	04/02/2018 02:43	WG1092315
Naphthalene	U		0.00109	0.00544	1	04/02/2018 02:43	WG1092315
n-Propylbenzene	U		0.000224	0.00109	1	04/02/2018 02:43	WG1092315
Styrene	U		0.000255	0.00109	1	04/02/2018 02:43	WG1092315
1,1,1,2-Tetrachloroethane	U		0.000287	0.00109	1	04/02/2018 02:43	WG1092315
1,1,2,2-Tetrachloroethane	U		0.000397	0.00109	1	04/02/2018 02:43	WG1092315
1,1,2-Trichlorotrifluoroethane	U		0.000397	0.00109	1	04/02/2018 02:43	WG1092315
Tetrachloroethene	0.00371		0.000300	0.00109	1	04/02/2018 02:43	WG1092315
Toluene	U		0.000472	0.00544	1	04/02/2018 02:43	WG1092315
1,2,3-Trichlorobenzene	U		0.000333	0.00109	1	04/02/2018 02:43	WG1092315
1,2,4-Trichlorobenzene	U		0.000422	0.00109	1	04/02/2018 02:43	WG1092315
1,1,1-Trichloroethane	U		0.000311	0.00109	1	04/02/2018 02:43	WG1092315
1,1,2-Trichloroethane	U		0.000301	0.00109	1	04/02/2018 02:43	WG1092315
Trichloroethene	U		0.000304	0.00109	1	04/02/2018 02:43	WG1092315
Trichlorofluoromethane	U		0.000416	0.00544	1	04/02/2018 02:43	WG1092315
1,2,3-Trichloropropane	U		0.000806	0.00272	1	04/02/2018 02:43	WG1092315
1,2,4-Trimethylbenzene	U		0.000230	0.00109	1	04/02/2018 02:43	WG1092315
1,2,3-Trimethylbenzene	U		0.000312	0.00109	1	04/02/2018 02:43	WG1092315
1,3,5-Trimethylbenzene	U		0.000289	0.00109	1	04/02/2018 02:43	WG1092315
Vinyl acetate	U		0.00260	0.0109	1	04/02/2018 02:43	WG1092315
Vinyl chloride	0.00142		0.000317	0.00109	1	04/02/2018 02:43	WG1092315
Xylenes, Total	U		0.000760	0.00326	1	04/02/2018 02:43	WG1092315
(S) Toluene-d8	*102*			*80.0-120*		*04/02/2018 02:43*	WG1092315
(S) Toluene-d8	*103*			*80.0-120*		*04/06/2018 05:19*	WG1092315
(S) Dibromofluoromethane	*99.5*			*74.0-131*		*04/06/2018 05:19*	WG1092315
(S) Dibromofluoromethane	*102*			*74.0-131*		*04/02/2018 02:43*	WG1092315
(S) 4-Bromofluorobenzene	*97.6*			*64.0-132*		*04/06/2018 05:19*	WG1092315
(S) 4-Bromofluorobenzene	*101*			*64.0-132*		*04/02/2018 02:43*	WG1092315

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch
Analyte	%			date / time	
Total Solids	87.2		1	04/04/2018 14:15	WG1093167

Volatile Organic Compounds (GC/MS) by Method 8260C

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0115	0.0574	1	04/02/2018 03:04	WG1092315
Acrylonitrile	U		0.00205	0.0115	1	04/02/2018 03:04	WG1092315
Benzene	U		0.000310	0.00115	1	04/02/2018 03:04	WG1092315
Bromobenzene	U		0.000326	0.00115	1	04/02/2018 03:04	WG1092315
Bromodichloromethane	U		0.000291	0.00115	1	04/02/2018 03:04	WG1092315
Bromochloromethane	U		0.000447	0.00574	1	04/02/2018 03:04	WG1092315
Bromoform	U		0.000486	0.00115	1	04/02/2018 03:04	WG1092315
Bromomethane	U		0.00154	0.00574	1	04/02/2018 03:04	WG1092315
n-Butylbenzene	U		0.000296	0.00115	1	04/02/2018 03:04	WG1092315
sec-Butylbenzene	U		0.000231	0.00115	1	04/02/2018 03:04	WG1092315
tert-Butylbenzene	U		0.000236	0.00115	1	04/02/2018 03:04	WG1092315
Carbon disulfide	U		0.000254	0.00115	1	04/02/2018 03:04	WG1092315
Carbon tetrachloride	U		0.000376	0.00115	1	04/02/2018 03:04	WG1092315
Chlorobenzene	U		0.000243	0.00115	1	04/02/2018 03:04	WG1092315
Chlorodibromomethane	U		0.000428	0.00115	1	04/02/2018 03:04	WG1092315
Chloroethane	U		0.00109	0.00574	1	04/02/2018 03:04	WG1092315
Chloroform	U		0.000263	0.00574	1	04/02/2018 03:04	WG1092315
Chloromethane	U		0.000430	0.00287	1	04/02/2018 03:04	WG1092315
2-Chlorotoluene	U		0.000345	0.00115	1	04/02/2018 03:04	WG1092315
4-Chlorotoluene	U		0.000275	0.00115	1	04/02/2018 03:04	WG1092315
1,2-Dibromo-3-Chloropropane	U		0.00120	0.00574	1	04/02/2018 03:04	WG1092315
1,2-Dibromoethane	U		0.000393	0.00115	1	04/02/2018 03:04	WG1092315
Dibromomethane	U		0.000438	0.00115	1	04/02/2018 03:04	WG1092315
1,2-Dichlorobenzene	U		0.000350	0.00115	1	04/02/2018 03:04	WG1092315
1,3-Dichlorobenzene	U		0.000274	0.00115	1	04/02/2018 03:04	WG1092315
1,4-Dichlorobenzene	U		0.000259	0.00115	1	04/02/2018 03:04	WG1092315
Dichlorodifluoromethane	U		0.000818	0.00574	1	04/02/2018 03:04	WG1092315
1,1-Dichloroethane	U		0.000228	0.00115	1	04/02/2018 03:04	WG1092315
1,2-Dichloroethane	U		0.000304	0.00115	1	04/02/2018 03:04	WG1092315
1,1-Dichloroethene	U		0.000348	0.00115	1	04/02/2018 03:04	WG1092315
cis-1,2-Dichloroethene	0.00132		0.000270	0.00115	1	04/06/2018 05:40	WG1092315
trans-1,2-Dichloroethene	U		0.000303	0.00115	1	04/02/2018 03:04	WG1092315
1,2-Dichloropropane	U		0.000411	0.00115	1	04/02/2018 03:04	WG1092315
1,1-Dichloropropene	U		0.000364	0.00115	1	04/02/2018 03:04	WG1092315
1,3-Dichloropropane	U		0.000237	0.00115	1	04/02/2018 03:04	WG1092315
cis-1,3-Dichloropropene	U		0.000301	0.00115	1	04/02/2018 03:04	WG1092315
trans-1,3-Dichloropropene	U		0.000306	0.00115	1	04/02/2018 03:04	WG1092315
trans-1,4-Dichloro-2-butene	U		0.000893	0.00287	1	04/02/2018 03:04	WG1092315
2,2-Dichloropropane	U		0.000320	0.00115	1	04/02/2018 03:04	WG1092315
Di-isopropyl ether	U		0.000285	0.00115	1	04/02/2018 03:04	WG1092315
Ethylbenzene	U		0.000341	0.00115	1	04/02/2018 03:04	WG1092315
Hexachloro-1,3-butadiene	U		0.000392	0.00115	1	04/02/2018 03:04	WG1092315
2-Hexanone	U		0.00157	0.0115	1	04/02/2018 03:04	WG1092315
n-Hexane	U		0.000333	0.0115	1	04/02/2018 03:04	WG1092315
Iodomethane	U		0.00290	0.0115	1	04/02/2018 03:04	WG1092315
Isopropylbenzene	U		0.000279	0.00115	1	04/02/2018 03:04	WG1092315
p-Isopropyltoluene	U		0.000234	0.00115	1	04/02/2018 03:04	WG1092315
2-Butanone (MEK)	U		0.00537	0.0115	1	04/02/2018 03:04	WG1092315
Methylene Chloride	U		0.00115	0.00574	1	04/02/2018 03:04	WG1092315
4-Methyl-2-pentanone (MIBK)	U		0.00216	0.0115	1	04/02/2018 03:04	WG1092315

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000243	0.00115	1	04/02/2018 03:04	WG1092315
Naphthalene	U		0.00115	0.00574	1	04/02/2018 03:04	WG1092315
n-Propylbenzene	U		0.000236	0.00115	1	04/02/2018 03:04	WG1092315
Styrene	U		0.000268	0.00115	1	04/02/2018 03:04	WG1092315
1,1,1,2-Tetrachloroethane	U		0.000303	0.00115	1	04/02/2018 03:04	WG1092315
1,1,2,2-Tetrachloroethane	U		0.000419	0.00115	1	04/02/2018 03:04	WG1092315
1,1,2-Trichlorotrifluoroethane	U		0.000419	0.00115	1	04/02/2018 03:04	WG1092315
Tetrachloroethene	0.00419		0.000317	0.00115	1	04/02/2018 03:04	WG1092315
Toluene	U		0.000498	0.00574	1	04/02/2018 03:04	WG1092315
1,2,3-Trichlorobenzene	U		0.000351	0.00115	1	04/02/2018 03:04	WG1092315
1,2,4-Trichlorobenzene	U		0.000445	0.00115	1	04/02/2018 03:04	WG1092315
1,1,1-Trichloroethane	U		0.000328	0.00115	1	04/02/2018 03:04	WG1092315
1,1,2-Trichloroethane	U		0.000318	0.00115	1	04/02/2018 03:04	WG1092315
Trichloroethene	U		0.000320	0.00115	1	04/02/2018 03:04	WG1092315
Trichlorofluoromethane	U		0.000438	0.00574	1	04/02/2018 03:04	WG1092315
1,2,3-Trichloropropane	U		0.000850	0.00287	1	04/02/2018 03:04	WG1092315
1,2,4-Trimethylbenzene	U		0.000242	0.00115	1	04/02/2018 03:04	WG1092315
1,2,3-Trimethylbenzene	U		0.000329	0.00115	1	04/02/2018 03:04	WG1092315
1,3,5-Trimethylbenzene	U		0.000305	0.00115	1	04/02/2018 03:04	WG1092315
Vinyl acetate	U		0.00274	0.0115	1	04/02/2018 03:04	WG1092315
Vinyl chloride	U		0.000334	0.00115	1	04/02/2018 03:04	WG1092315
Xylenes, Total	U		0.000801	0.00344	1	04/02/2018 03:04	WG1092315
(S) Toluene-d8	*103*			*80.0-120*		*04/02/2018 03:04*	WG1092315
(S) Toluene-d8	*103*			*80.0-120*		*04/06/2018 05:40*	WG1092315
(S) Dibromofluoromethane	*99.9*			*74.0-131*		*04/06/2018 05:40*	WG1092315
(S) Dibromofluoromethane	*105*			*74.0-131*		*04/02/2018 03:04*	WG1092315
(S) 4-Bromofluorobenzene	*101*			*64.0-132*		*04/02/2018 03:04*	WG1092315
(S) 4-Bromofluorobenzene	*96.0*			*64.0-132*		*04/06/2018 05:40*	WG1092315

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	86.3		1	04/04/2018 14:15	WG1093167

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.0121	J	0.0116	0.0579	1	04/06/2018 06:01	WG1092315
Acrylonitrile	U		0.00207	0.0116	1	04/06/2018 06:01	WG1092315
Benzene	U		0.000313	0.00116	1	04/06/2018 06:01	WG1092315
Bromobenzene	U		0.000329	0.00116	1	04/06/2018 06:01	WG1092315
Bromodichloromethane	U		0.000294	0.00116	1	04/06/2018 06:01	WG1092315
Bromochloromethane	U		0.000452	0.00579	1	04/06/2018 06:01	WG1092315
Bromoform	U		0.000491	0.00116	1	04/06/2018 06:01	WG1092315
Bromomethane	U		0.00155	0.00579	1	04/06/2018 06:01	WG1092315
n-Butylbenzene	U		0.000299	0.00116	1	04/06/2018 06:01	WG1092315
sec-Butylbenzene	U		0.000233	0.00116	1	04/06/2018 06:01	WG1092315
tert-Butylbenzene	U		0.000239	0.00116	1	04/06/2018 06:01	WG1092315
Carbon disulfide	U		0.000256	0.00116	1	04/06/2018 06:01	WG1092315
Carbon tetrachloride	U		0.000380	0.00116	1	04/06/2018 06:01	WG1092315
Chlorobenzene	U		0.000246	0.00116	1	04/06/2018 06:01	WG1092315
Chlorodibromomethane	U		0.000432	0.00116	1	04/06/2018 06:01	WG1092315
Chloroethane	U		0.00110	0.00579	1	04/06/2018 06:01	WG1092315
Chloroform	U		0.000265	0.00579	1	04/06/2018 06:01	WG1092315
Chloromethane	U		0.000435	0.00290	1	04/06/2018 06:01	WG1092315
2-Chlorotoluene	U		0.000349	0.00116	1	04/06/2018 06:01	WG1092315
4-Chlorotoluene	U		0.000278	0.00116	1	04/06/2018 06:01	WG1092315
1,2-Dibromo-3-Chloropropane	U		0.00122	0.00579	1	04/06/2018 06:01	WG1092315
1,2-Dibromoethane	U		0.000397	0.00116	1	04/06/2018 06:01	WG1092315
Dibromomethane	U		0.000443	0.00116	1	04/06/2018 06:01	WG1092315
1,2-Dichlorobenzene	U		0.000353	0.00116	1	04/06/2018 06:01	WG1092315
1,3-Dichlorobenzene	U		0.000277	0.00116	1	04/06/2018 06:01	WG1092315
1,4-Dichlorobenzene	U		0.000262	0.00116	1	04/06/2018 06:01	WG1092315
Dichlorodifluoromethane	U		0.000826	0.00579	1	04/06/2018 06:01	WG1092315
1,1-Dichloroethane	U		0.000231	0.00116	1	04/06/2018 06:01	WG1092315
1,2-Dichloroethane	U		0.000307	0.00116	1	04/06/2018 06:01	WG1092315
1,1-Dichloroethene	U		0.000351	0.00116	1	04/06/2018 06:01	WG1092315
cis-1,2-Dichloroethene	0.00502		0.000272	0.00116	1	04/06/2018 06:01	WG1092315
trans-1,2-Dichloroethene	U		0.000306	0.00116	1	04/06/2018 06:01	WG1092315
1,2-Dichloropropane	U		0.000415	0.00116	1	04/06/2018 06:01	WG1092315
1,1-Dichloropropene	U		0.000367	0.00116	1	04/06/2018 06:01	WG1092315
1,3-Dichloropropane	U		0.000240	0.00116	1	04/06/2018 06:01	WG1092315
cis-1,3-Dichloropropene	U		0.000304	0.00116	1	04/06/2018 06:01	WG1092315
trans-1,3-Dichloropropene	U		0.000309	0.00116	1	04/06/2018 06:01	WG1092315
trans-1,4-Dichloro-2-butene	U		0.000902	0.00290	1	04/06/2018 06:01	WG1092315
2,2-Dichloropropane	U		0.000323	0.00116	1	04/06/2018 06:01	WG1092315
Di-isopropyl ether	U		0.000287	0.00116	1	04/06/2018 06:01	WG1092315
Ethylbenzene	U		0.000344	0.00116	1	04/06/2018 06:01	WG1092315
Hexachloro-1,3-butadiene	U		0.000396	0.00116	1	04/06/2018 06:01	WG1092315
2-Hexanone	U		0.00159	0.0116	1	04/06/2018 06:01	WG1092315
n-Hexane	U		0.000336	0.0116	1	04/06/2018 06:01	WG1092315
Iodomethane	U		0.00293	0.0116	1	04/06/2018 06:01	WG1092315
Isopropylbenzene	U		0.000282	0.00116	1	04/06/2018 06:01	WG1092315
p-Isopropyltoluene	U		0.000236	0.00116	1	04/06/2018 06:01	WG1092315
2-Butanone (MEK)	U		0.00542	0.0116	1	04/06/2018 06:01	WG1092315
Methylene Chloride	U		0.00116	0.00579	1	04/06/2018 06:01	WG1092315
4-Methyl-2-pentanone (MIBK)	U		0.00218	0.0116	1	04/06/2018 06:01	WG1092315

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000246	0.00116	1	04/06/2018 06:01	WG1092315
Naphthalene	U		0.00116	0.00579	1	04/06/2018 06:01	WG1092315
n-Propylbenzene	U		0.000239	0.00116	1	04/06/2018 06:01	WG1092315
Styrene	U		0.000271	0.00116	1	04/06/2018 06:01	WG1092315
1,1,1,2-Tetrachloroethane	U		0.000306	0.00116	1	04/06/2018 06:01	WG1092315
1,1,2,2-Tetrachloroethane	U		0.000423	0.00116	1	04/06/2018 06:01	WG1092315
1,1,2-Trichlorotrifluoroethane	U		0.000423	0.00116	1	04/06/2018 06:01	WG1092315
Tetrachloroethene	0.0317		0.000320	0.00116	1	04/06/2018 06:01	WG1092315
Toluene	U		0.000503	0.00579	1	04/06/2018 06:01	WG1092315
1,2,3-Trichlorobenzene	U		0.000355	0.00116	1	04/06/2018 06:01	WG1092315
1,2,4-Trichlorobenzene	U		0.000450	0.00116	1	04/06/2018 06:01	WG1092315
1,1,1-Trichloroethane	U		0.000331	0.00116	1	04/06/2018 06:01	WG1092315
1,1,2-Trichloroethane	U		0.000321	0.00116	1	04/06/2018 06:01	WG1092315
Trichloroethene	0.00188		0.000323	0.00116	1	04/06/2018 06:01	WG1092315
Trichlorofluoromethane	U		0.000443	0.00579	1	04/06/2018 06:01	WG1092315
1,2,3-Trichloropropane	U		0.000859	0.00290	1	04/06/2018 06:01	WG1092315
1,2,4-Trimethylbenzene	U		0.000245	0.00116	1	04/06/2018 06:01	WG1092315
1,2,3-Trimethylbenzene	U		0.000333	0.00116	1	04/06/2018 06:01	WG1092315
1,3,5-Trimethylbenzene	U		0.000308	0.00116	1	04/06/2018 06:01	WG1092315
Vinyl acetate	U		0.00277	0.0116	1	04/06/2018 06:01	WG1092315
Vinyl chloride	0.000458	J	0.000337	0.00116	1	04/06/2018 06:01	WG1092315
Xylenes, Total	U		0.000809	0.00348	1	04/06/2018 06:01	WG1092315
(S) Toluene-d8	*105*			*80.0-120*		*04/06/2018 06:01*	WG1092315
(S) Dibromofluoromethane	*99.0*			*74.0-131*		*04/06/2018 06:01*	WG1092315
(S) 4-Bromofluorobenzene	*98.0*			*64.0-132*		*04/06/2018 06:01*	WG1092315

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	92.6		1	04/04/2018 14:15	WG1093167

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0108	0.0540	1	04/02/2018 03:46	WG1092315
Acrylonitrile	U		0.00193	0.0108	1	04/02/2018 03:46	WG1092315
Benzene	U		0.000292	0.00108	1	04/02/2018 03:46	WG1092315
Bromobenzene	U		0.000307	0.00108	1	04/02/2018 03:46	WG1092315
Bromodichloromethane	U		0.000274	0.00108	1	04/02/2018 03:46	WG1092315
Bromochloromethane	U		0.000421	0.00540	1	04/02/2018 03:46	WG1092315
Bromoform	U		0.000458	0.00108	1	04/02/2018 03:46	WG1092315
Bromomethane	U		0.00145	0.00540	1	04/02/2018 03:46	WG1092315
n-Butylbenzene	U		0.000279	0.00108	1	04/02/2018 03:46	WG1092315
sec-Butylbenzene	U		0.000217	0.00108	1	04/02/2018 03:46	WG1092315
tert-Butylbenzene	U		0.000222	0.00108	1	04/02/2018 03:46	WG1092315
Carbon disulfide	U		0.000239	0.00108	1	04/02/2018 03:46	WG1092315
Carbon tetrachloride	U		0.000354	0.00108	1	04/02/2018 03:46	WG1092315
Chlorobenzene	U		0.000229	0.00108	1	04/02/2018 03:46	WG1092315
Chlorodibromomethane	U		0.000403	0.00108	1	04/02/2018 03:46	WG1092315
Chloroethane	U		0.00102	0.00540	1	04/02/2018 03:46	WG1092315
Chloroform	U		0.000247	0.00540	1	04/02/2018 03:46	WG1092315
Chloromethane	U		0.000405	0.00270	1	04/02/2018 03:46	WG1092315
2-Chlorotoluene	U		0.000325	0.00108	1	04/02/2018 03:46	WG1092315
4-Chlorotoluene	U		0.000259	0.00108	1	04/02/2018 03:46	WG1092315
1,2-Dibromo-3-Chloropropane	U		0.00113	0.00540	1	04/02/2018 03:46	WG1092315
1,2-Dibromoethane	U		0.000370	0.00108	1	04/02/2018 03:46	WG1092315
Dibromomethane	U		0.000413	0.00108	1	04/02/2018 03:46	WG1092315
1,2-Dichlorobenzene	U		0.000329	0.00108	1	04/02/2018 03:46	WG1092315
1,3-Dichlorobenzene	U		0.000258	0.00108	1	04/02/2018 03:46	WG1092315
1,4-Dichlorobenzene	U		0.000244	0.00108	1	04/02/2018 03:46	WG1092315
Dichlorodifluoromethane	U		0.000770	0.00540	1	04/02/2018 03:46	WG1092315
1,1-Dichloroethane	U		0.000215	0.00108	1	04/02/2018 03:46	WG1092315
1,2-Dichloroethane	U		0.000286	0.00108	1	04/02/2018 03:46	WG1092315
1,1-Dichloroethene	U		0.000327	0.00108	1	04/02/2018 03:46	WG1092315
cis-1,2-Dichloroethene	0.00265		0.000254	0.00108	1	04/02/2018 03:46	WG1092315
trans-1,2-Dichloroethene	U		0.000285	0.00108	1	04/02/2018 03:46	WG1092315
1,2-Dichloropropane	U		0.000387	0.00108	1	04/02/2018 03:46	WG1092315
1,1-Dichloropropene	U		0.000342	0.00108	1	04/02/2018 03:46	WG1092315
1,3-Dichloropropane	U		0.000224	0.00108	1	04/02/2018 03:46	WG1092315
cis-1,3-Dichloropropene	U		0.000283	0.00108	1	04/02/2018 03:46	WG1092315
trans-1,3-Dichloropropene	U		0.000288	0.00108	1	04/02/2018 03:46	WG1092315
trans-1,4-Dichloro-2-butene	U		0.000840	0.00270	1	04/02/2018 03:46	WG1092315
2,2-Dichloropropane	U		0.000301	0.00108	1	04/02/2018 03:46	WG1092315
Di-isopropyl ether	U		0.000268	0.00108	1	04/02/2018 03:46	WG1092315
Ethylbenzene	U		0.000321	0.00108	1	04/02/2018 03:46	WG1092315
Hexachloro-1,3-butadiene	U		0.000369	0.00108	1	04/02/2018 03:46	WG1092315
2-Hexanone	U		0.00148	0.0108	1	04/02/2018 03:46	WG1092315
n-Hexane	0.000509	B J	0.000313	0.0108	1	04/02/2018 03:46	WG1092315
Iodomethane	U		0.00273	0.0108	1	04/02/2018 03:46	WG1092315
Isopropylbenzene	U		0.000262	0.00108	1	04/02/2018 03:46	WG1092315
p-Isopropyltoluene	U		0.000220	0.00108	1	04/02/2018 03:46	WG1092315
2-Butanone (MEK)	U		0.00505	0.0108	1	04/02/2018 03:46	WG1092315
Methylene Chloride	U		0.00108	0.00540	1	04/02/2018 03:46	WG1092315
4-Methyl-2-pentanone (MIBK)	U		0.00203	0.0108	1	04/02/2018 03:46	WG1092315

B-245-20

Collected date/time: 03/28/18 16:03

SAMPLE RESULTS - 23

L981889

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000229	0.00108	1	04/02/2018 03:46	WG1092315
Naphthalene	U		0.00108	0.00540	1	04/02/2018 03:46	WG1092315
n-Propylbenzene	U		0.000222	0.00108	1	04/02/2018 03:46	WG1092315
Styrene	U		0.000253	0.00108	1	04/02/2018 03:46	WG1092315
1,1,1,2-Tetrachloroethane	U		0.000285	0.00108	1	04/02/2018 03:46	WG1092315
1,1,2,2-Tetrachloroethane	U		0.000394	0.00108	1	04/02/2018 03:46	WG1092315
1,1,2-Trichlorotrifluoroethane	U		0.000394	0.00108	1	04/02/2018 03:46	WG1092315
Tetrachloroethene	0.00746		0.000298	0.00108	1	04/02/2018 03:46	WG1092315
Toluene	U		0.000469	0.00540	1	04/02/2018 03:46	WG1092315
1,2,3-Trichlorobenzene	U		0.000330	0.00108	1	04/02/2018 03:46	WG1092315
1,2,4-Trichlorobenzene	U		0.000419	0.00108	1	04/02/2018 03:46	WG1092315
1,1,1-Trichloroethane	U		0.000309	0.00108	1	04/02/2018 03:46	WG1092315
1,1,2-Trichloroethane	U		0.000299	0.00108	1	04/02/2018 03:46	WG1092315
Trichloroethene	0.000868	J	0.000301	0.00108	1	04/02/2018 03:46	WG1092315
Trichlorofluoromethane	U		0.000413	0.00540	1	04/02/2018 03:46	WG1092315
1,2,3-Trichloropropane	U		0.000800	0.00270	1	04/02/2018 03:46	WG1092315
1,2,4-Trimethylbenzene	U		0.000228	0.00108	1	04/02/2018 03:46	WG1092315
1,2,3-Trimethylbenzene	U		0.000310	0.00108	1	04/02/2018 03:46	WG1092315
1,3,5-Trimethylbenzene	U		0.000287	0.00108	1	04/02/2018 03:46	WG1092315
Vinyl acetate	U		0.00258	0.0108	1	04/02/2018 03:46	WG1092315
Vinyl chloride	0.000458	J	0.000314	0.00108	1	04/02/2018 03:46	WG1092315
Xylenes, Total	U		0.000754	0.00324	1	04/02/2018 03:46	WG1092315
(S) Toluene-d8	*99.0*			*80.0-120*		*04/02/2018 03:46*	WG1092315
(S) Dibromofluoromethane	*106*			*74.0-131*		*04/02/2018 03:46*	WG1092315
(S) 4-Bromofluorobenzene	*100*			*64.0-132*		*04/02/2018 03:46*	WG1092315

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	88.4		1	04/04/2018 14:15	WG1093167

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.0121	J	0.0113	0.0566	1	04/02/2018 04:07	WG1092315
Acrylonitrile	U		0.00203	0.0113	1	04/02/2018 04:07	WG1092315
Benzene	U		0.000306	0.00113	1	04/02/2018 04:07	WG1092315
Bromobenzene	U		0.000321	0.00113	1	04/02/2018 04:07	WG1092315
Bromodichloromethane	U		0.000287	0.00113	1	04/02/2018 04:07	WG1092315
Bromochloromethane	U		0.000441	0.00566	1	04/02/2018 04:07	WG1092315
Bromoform	U		0.000480	0.00113	1	04/02/2018 04:07	WG1092315
Bromomethane	U		0.00152	0.00566	1	04/02/2018 04:07	WG1092315
n-Butylbenzene	U		0.000292	0.00113	1	04/02/2018 04:07	WG1092315
sec-Butylbenzene	U		0.000227	0.00113	1	04/02/2018 04:07	WG1092315
tert-Butylbenzene	U		0.000233	0.00113	1	04/02/2018 04:07	WG1092315
Carbon disulfide	U		0.000250	0.00113	1	04/02/2018 04:07	WG1092315
Carbon tetrachloride	U		0.000371	0.00113	1	04/02/2018 04:07	WG1092315
Chlorobenzene	U		0.000240	0.00113	1	04/02/2018 04:07	WG1092315
Chlorodibromomethane	U		0.000422	0.00113	1	04/02/2018 04:07	WG1092315
Chloroethane	U		0.00107	0.00566	1	04/02/2018 04:07	WG1092315
Chloroform	U		0.000259	0.00566	1	04/02/2018 04:07	WG1092315
Chloromethane	U		0.000424	0.00283	1	04/02/2018 04:07	WG1092315
2-Chlorotoluene	U		0.000341	0.00113	1	04/02/2018 04:07	WG1092315
4-Chlorotoluene	U		0.000272	0.00113	1	04/02/2018 04:07	WG1092315
1,2-Dibromo-3-Chloropropane	U		0.00119	0.00566	1	04/02/2018 04:07	WG1092315
1,2-Dibromoethane	U		0.000388	0.00113	1	04/02/2018 04:07	WG1092315
Dibromomethane	U		0.000432	0.00113	1	04/02/2018 04:07	WG1092315
1,2-Dichlorobenzene	U		0.000345	0.00113	1	04/02/2018 04:07	WG1092315
1,3-Dichlorobenzene	U		0.000270	0.00113	1	04/02/2018 04:07	WG1092315
1,4-Dichlorobenzene	U		0.000256	0.00113	1	04/02/2018 04:07	WG1092315
Dichlorodifluoromethane	U		0.000807	0.00566	1	04/02/2018 04:07	WG1092315
1,1-Dichloroethane	U		0.000225	0.00113	1	04/02/2018 04:07	WG1092315
1,2-Dichloroethane	U		0.000300	0.00113	1	04/02/2018 04:07	WG1092315
1,1-Dichloroethene	U		0.000343	0.00113	1	04/02/2018 04:07	WG1092315
cis-1,2-Dichloroethene	0.00148		0.000266	0.00113	1	04/02/2018 04:07	WG1092315
trans-1,2-Dichloroethene	U		0.000299	0.00113	1	04/02/2018 04:07	WG1092315
1,2-Dichloropropane	U		0.000405	0.00113	1	04/02/2018 04:07	WG1092315
1,1-Dichloropropene	U		0.000359	0.00113	1	04/02/2018 04:07	WG1092315
1,3-Dichloropropane	U		0.000234	0.00113	1	04/02/2018 04:07	WG1092315
cis-1,3-Dichloropropene	U		0.000296	0.00113	1	04/02/2018 04:07	WG1092315
trans-1,3-Dichloropropene	U		0.000302	0.00113	1	04/02/2018 04:07	WG1092315
trans-1,4-Dichloro-2-butene	U		0.000880	0.00283	1	04/02/2018 04:07	WG1092315
2,2-Dichloropropane	U		0.000316	0.00113	1	04/02/2018 04:07	WG1092315
Di-isopropyl ether	U		0.000281	0.00113	1	04/02/2018 04:07	WG1092315
Ethylbenzene	U		0.000336	0.00113	1	04/02/2018 04:07	WG1092315
Hexachloro-1,3-butadiene	U		0.000387	0.00113	1	04/02/2018 04:07	WG1092315
2-Hexanone	U		0.00155	0.0113	1	04/02/2018 04:07	WG1092315
n-Hexane	0.000403	B J	0.000328	0.0113	1	04/02/2018 04:07	WG1092315
Iodomethane	U		0.00286	0.0113	1	04/02/2018 04:07	WG1092315
Isopropylbenzene	U		0.000275	0.00113	1	04/02/2018 04:07	WG1092315
p-Isopropyltoluene	U		0.000231	0.00113	1	04/02/2018 04:07	WG1092315
2-Butanone (MEK)	U		0.00530	0.0113	1	04/02/2018 04:07	WG1092315
Methylene Chloride	U		0.00113	0.00566	1	04/02/2018 04:07	WG1092315
4-Methyl-2-pentanone (MIBK)	U		0.00213	0.0113	1	04/02/2018 04:07	WG1092315

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000240	0.00113	1	04/02/2018 04:07	WG1092315
Naphthalene	U		0.00113	0.00566	1	04/02/2018 04:07	WG1092315
n-Propylbenzene	U		0.000233	0.00113	1	04/02/2018 04:07	WG1092315
Styrene	U		0.000265	0.00113	1	04/02/2018 04:07	WG1092315
1,1,1,2-Tetrachloroethane	U		0.000299	0.00113	1	04/02/2018 04:07	WG1092315
1,1,2,2-Tetrachloroethane	U		0.000413	0.00113	1	04/02/2018 04:07	WG1092315
1,1,2-Trichlorotrifluoroethane	U		0.000413	0.00113	1	04/02/2018 04:07	WG1092315
Tetrachloroethene	0.00364		0.000312	0.00113	1	04/02/2018 04:07	WG1092315
Toluene	U		0.000491	0.00566	1	04/02/2018 04:07	WG1092315
1,2,3-Trichlorobenzene	U		0.000346	0.00113	1	04/02/2018 04:07	WG1092315
1,2,4-Trichlorobenzene	U		0.000439	0.00113	1	04/02/2018 04:07	WG1092315
1,1,1-Trichloroethane	U		0.000324	0.00113	1	04/02/2018 04:07	WG1092315
1,1,2-Trichloroethane	U		0.000313	0.00113	1	04/02/2018 04:07	WG1092315
Trichloroethene	0.000464	J	0.000316	0.00113	1	04/02/2018 04:07	WG1092315
Trichlorofluoromethane	U		0.000432	0.00566	1	04/02/2018 04:07	WG1092315
1,2,3-Trichloropropane	U		0.000839	0.00283	1	04/02/2018 04:07	WG1092315
1,2,4-Trimethylbenzene	U		0.000239	0.00113	1	04/02/2018 04:07	WG1092315
1,2,3-Trimethylbenzene	U		0.000325	0.00113	1	04/02/2018 04:07	WG1092315
1,3,5-Trimethylbenzene	U		0.000301	0.00113	1	04/02/2018 04:07	WG1092315
Vinyl acetate	U		0.00270	0.0113	1	04/02/2018 04:07	WG1092315
Vinyl chloride	0.000466	J	0.000329	0.00113	1	04/02/2018 04:07	WG1092315
Xylenes, Total	U		0.000790	0.00339	1	04/02/2018 04:07	WG1092315
(S) Toluene-d8	*101*			*80.0-120*		*04/02/2018 04:07*	WG1092315
(S) Dibromofluoromethane	*104*			*74.0-131*		*04/02/2018 04:07*	WG1092315
(S) 4-Bromofluorobenzene	*101*			*64.0-132*		*04/02/2018 04:07*	WG1092315

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	72.1		1	04/04/2018 14:15	WG1093167

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.0659	J	0.0215	0.108	1.55	04/02/2018 04:28	WG1092315
Acrylonitrile	U		0.00384	0.0215	1.55	04/02/2018 04:28	WG1092315
Benzene	U		0.000580	0.00215	1.55	04/02/2018 04:28	WG1092315
Bromobenzene	U		0.000610	0.00215	1.55	04/02/2018 04:28	WG1092315
Bromodichloromethane	U		0.000547	0.00215	1.55	04/02/2018 04:28	WG1092315
Bromochloromethane	U		0.000838	0.0108	1.55	04/02/2018 04:28	WG1092315
Bromoform	U		0.000912	0.00215	1.55	04/02/2018 04:28	WG1092315
Bromomethane	U		0.00289	0.0108	1.55	04/02/2018 04:28	WG1092315
n-Butylbenzene	U		0.000555	0.00215	1.55	04/02/2018 04:28	WG1092315
sec-Butylbenzene	U		0.000433	0.00215	1.55	04/02/2018 04:28	WG1092315
tert-Butylbenzene	U		0.000443	0.00215	1.55	04/02/2018 04:28	WG1092315
Carbon disulfide	0.00248		0.000474	0.00215	1.55	04/02/2018 04:28	WG1092315
Carbon tetrachloride	U		0.000705	0.00215	1.55	04/02/2018 04:28	WG1092315
Chlorobenzene	U		0.000456	0.00215	1.55	04/02/2018 04:28	WG1092315
Chlorodibromomethane	U		0.000802	0.00215	1.55	04/02/2018 04:28	WG1092315
Chloroethane	U		0.00204	0.0108	1.55	04/02/2018 04:28	WG1092315
Chloroform	U		0.000493	0.0108	1.55	04/02/2018 04:28	WG1092315
Chloromethane	U		0.000806	0.00538	1.55	04/02/2018 04:28	WG1092315
2-Chlorotoluene	U		0.000647	0.00215	1.55	04/02/2018 04:28	WG1092315
4-Chlorotoluene	U		0.000516	0.00215	1.55	04/02/2018 04:28	WG1092315
1,2-Dibromo-3-Chloropropane	U		0.00226	0.0108	1.55	04/02/2018 04:28	WG1092315
1,2-Dibromoethane	U		0.000738	0.00215	1.55	04/02/2018 04:28	WG1092315
Dibromomethane	U		0.000821	0.00215	1.55	04/02/2018 04:28	WG1092315
1,2-Dichlorobenzene	U		0.000656	0.00215	1.55	04/02/2018 04:28	WG1092315
1,3-Dichlorobenzene	U		0.000513	0.00215	1.55	04/02/2018 04:28	WG1092315
1,4-Dichlorobenzene	U		0.000486	0.00215	1.55	04/02/2018 04:28	WG1092315
Dichlorodifluoromethane	U		0.00153	0.0108	1.55	04/02/2018 04:28	WG1092315
1,1-Dichloroethane	U		0.000427	0.00215	1.55	04/02/2018 04:28	WG1092315
1,2-Dichloroethane	U		0.000570	0.00215	1.55	04/02/2018 04:28	WG1092315
1,1-Dichloroethene	0.0259		0.000652	0.00215	1.55	04/02/2018 04:28	WG1092315
cis-1,2-Dichloroethene	4.73		0.0816	0.347	250	04/06/2018 06:22	WG1092315
trans-1,2-Dichloroethene	0.00437		0.000567	0.00215	1.55	04/02/2018 04:28	WG1092315
1,2-Dichloropropane	U		0.000770	0.00215	1.55	04/02/2018 04:28	WG1092315
1,1-Dichloropropene	U		0.000681	0.00215	1.55	04/02/2018 04:28	WG1092315
1,3-Dichloropropane	U		0.000445	0.00215	1.55	04/02/2018 04:28	WG1092315
cis-1,3-Dichloropropene	U		0.000563	0.00215	1.55	04/02/2018 04:28	WG1092315
trans-1,3-Dichloropropene	U		0.000574	0.00215	1.55	04/02/2018 04:28	WG1092315
trans-1,4-Dichloro-2-butene	U		0.00166	0.00538	1.55	04/02/2018 04:28	WG1092315
2,2-Dichloropropane	U		0.000599	0.00215	1.55	04/02/2018 04:28	WG1092315
Di-isopropyl ether	U		0.000533	0.00215	1.55	04/02/2018 04:28	WG1092315
Ethylbenzene	U		0.000638	0.00215	1.55	04/02/2018 04:28	WG1092315
Hexachloro-1,3-butadiene	U		0.000735	0.00215	1.55	04/02/2018 04:28	WG1092315
2-Hexanone	U		0.00294	0.0215	1.55	04/02/2018 04:28	WG1092315
n-Hexane	0.00113	B J	0.000624	0.0215	1.55	04/02/2018 04:28	WG1092315
Iodomethane	U		0.00544	0.0215	1.55	04/02/2018 04:28	WG1092315
Isopropylbenzene	U		0.000523	0.00215	1.55	04/02/2018 04:28	WG1092315
p-Isopropyltoluene	U		0.000438	0.00215	1.55	04/02/2018 04:28	WG1092315
2-Butanone (MEK)	U		0.0101	0.0215	1.55	04/02/2018 04:28	WG1092315
Methylene Chloride	U		0.00215	0.0108	1.55	04/02/2018 04:28	WG1092315
4-Methyl-2-pentanone (MIBK)	U		0.00404	0.0215	1.55	04/02/2018 04:28	WG1092315

Collected date/time: 03/29/18 08:13

L981889

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000456	0.00215	1.55	04/02/2018 04:28	WG1092315
Naphthalene	U		0.00215	0.0108	1.55	04/02/2018 04:28	WG1092315
n-Propylbenzene	U		0.000443	0.00215	1.55	04/02/2018 04:28	WG1092315
Styrene	U		0.000504	0.00215	1.55	04/02/2018 04:28	WG1092315
1,1,1,2-Tetrachloroethane	U		0.000567	0.00215	1.55	04/02/2018 04:28	WG1092315
1,1,2,2-Tetrachloroethane	U		0.000785	0.00215	1.55	04/02/2018 04:28	WG1092315
1,1,2-Trichlorotrifluoroethane	U		0.000785	0.00215	1.55	04/02/2018 04:28	WG1092315
Tetrachloroethene	0.0737		0.000594	0.00215	1.55	04/02/2018 04:28	WG1092315
Toluene	U		0.000934	0.0108	1.55	04/02/2018 04:28	WG1092315
1,2,3-Trichlorobenzene	U		0.000658	0.00215	1.55	04/02/2018 04:28	WG1092315
1,2,4-Trichlorobenzene	U		0.000834	0.00215	1.55	04/02/2018 04:28	WG1092315
1,1,1-Trichloroethane	U		0.000615	0.00215	1.55	04/02/2018 04:28	WG1092315
1,1,2-Trichloroethane	U		0.000595	0.00215	1.55	04/02/2018 04:28	WG1092315
Trichloroethene	0.145		0.000599	0.00215	1.55	04/02/2018 04:28	WG1092315
Trichlorofluoromethane	U		0.000821	0.0108	1.55	04/02/2018 04:28	WG1092315
1,2,3-Trichloropropane	U		0.00160	0.00538	1.55	04/02/2018 04:28	WG1092315
1,2,4-Trimethylbenzene	U		0.000454	0.00215	1.55	04/02/2018 04:28	WG1092315
1,2,3-Trimethylbenzene	U		0.000617	0.00215	1.55	04/02/2018 04:28	WG1092315
1,3,5-Trimethylbenzene	U		0.000572	0.00215	1.55	04/02/2018 04:28	WG1092315
Vinyl acetate	U		0.00513	0.0215	1.55	04/02/2018 04:28	WG1092315
Vinyl chloride	0.224	J	0.101	0.347	250	04/06/2018 06:22	WG1092315
Xylenes, Total	U		0.00150	0.00645	1.55	04/02/2018 04:28	WG1092315
(S) Toluene-d8	*101*			*80.0-120*		*04/02/2018 04:28*	WG1092315
(S) Toluene-d8	*109*			*80.0-120*		*04/06/2018 06:22*	WG1092315
(S) Dibromofluoromethane	*106*			*74.0-131*		*04/02/2018 04:28*	WG1092315
(S) Dibromofluoromethane	*92.9*			*74.0-131*		*04/06/2018 06:22*	WG1092315
(S) 4-Bromofluorobenzene	*102*			*64.0-132*		*04/02/2018 04:28*	WG1092315
(S) 4-Bromofluorobenzene	*97.0*			*64.0-132*		*04/06/2018 06:22*	WG1092315

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	88.9		1	04/04/2018 14:15	WG1093167

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0563	1	04/02/2018 05:22	WG1092315
Acrylonitrile	U		0.00201	0.0113	1	04/02/2018 05:22	WG1092315
Benzene	0.000419	J	0.000304	0.00113	1	04/02/2018 05:22	WG1092315
Bromobenzene	U		0.000320	0.00113	1	04/02/2018 05:22	WG1092315
Bromodichloromethane	U		0.000286	0.00113	1	04/02/2018 05:22	WG1092315
Bromochloromethane	U		0.000439	0.00563	1	04/02/2018 05:22	WG1092315
Bromoform	U		0.000477	0.00113	1	04/02/2018 05:22	WG1092315
Bromomethane	U		0.00151	0.00563	1	04/02/2018 05:22	WG1092315
n-Butylbenzene	U		0.000290	0.00113	1	04/02/2018 05:22	WG1092315
sec-Butylbenzene	U		0.000226	0.00113	1	04/02/2018 05:22	WG1092315
tert-Butylbenzene	U		0.000232	0.00113	1	04/02/2018 05:22	WG1092315
Carbon disulfide	0.000730	J	0.000249	0.00113	1	04/02/2018 05:22	WG1092315
Carbon tetrachloride	U		0.000369	0.00113	1	04/02/2018 05:22	WG1092315
Chlorobenzene	U		0.000239	0.00113	1	04/02/2018 05:22	WG1092315
Chlorodibromomethane	U		0.000420	0.00113	1	04/02/2018 05:22	WG1092315
Chloroethane	U		0.00106	0.00563	1	04/02/2018 05:22	WG1092315
Chloroform	U		0.000258	0.00563	1	04/02/2018 05:22	WG1092315
Chloromethane	U		0.000422	0.00281	1	04/02/2018 05:22	WG1092315
2-Chlorotoluene	U		0.000339	0.00113	1	04/02/2018 05:22	WG1092315
4-Chlorotoluene	U		0.000270	0.00113	1	04/02/2018 05:22	WG1092315
1,2-Dibromo-3-Chloropropane	U		0.00118	0.00563	1	04/02/2018 05:22	WG1092315
1,2-Dibromoethane	U		0.000386	0.00113	1	04/02/2018 05:22	WG1092315
Dibromomethane	U		0.000430	0.00113	1	04/02/2018 05:22	WG1092315
1,2-Dichlorobenzene	U		0.000343	0.00113	1	04/02/2018 05:22	WG1092315
1,3-Dichlorobenzene	U		0.000269	0.00113	1	04/02/2018 05:22	WG1092315
1,4-Dichlorobenzene	U		0.000254	0.00113	1	04/02/2018 05:22	WG1092315
Dichlorodifluoromethane	U		0.000802	0.00563	1	04/02/2018 05:22	WG1092315
1,1-Dichloroethane	U		0.000224	0.00113	1	04/02/2018 05:22	WG1092315
1,2-Dichloroethane	U		0.000298	0.00113	1	04/02/2018 05:22	WG1092315
1,1-Dichloroethene	U		0.000341	0.00113	1	04/02/2018 05:22	WG1092315
cis-1,2-Dichloroethene	0.0564		0.000264	0.00113	1	04/02/2018 05:22	WG1092315
trans-1,2-Dichloroethene	U		0.000297	0.00113	1	04/02/2018 05:22	WG1092315
1,2-Dichloropropane	U		0.000403	0.00113	1	04/02/2018 05:22	WG1092315
1,1-Dichloropropene	U		0.000357	0.00113	1	04/02/2018 05:22	WG1092315
1,3-Dichloropropane	U		0.000233	0.00113	1	04/02/2018 05:22	WG1092315
cis-1,3-Dichloropropene	U		0.000295	0.00113	1	04/02/2018 05:22	WG1092315
trans-1,3-Dichloropropene	U		0.000300	0.00113	1	04/02/2018 05:22	WG1092315
trans-1,4-Dichloro-2-butene	U		0.000875	0.00281	1	04/02/2018 05:22	WG1092315
2,2-Dichloropropane	U		0.000314	0.00113	1	04/02/2018 05:22	WG1092315
Di-isopropyl ether	U		0.000279	0.00113	1	04/02/2018 05:22	WG1092315
Ethylbenzene	U		0.000334	0.00113	1	04/02/2018 05:22	WG1092315
Hexachloro-1,3-butadiene	U		0.000385	0.00113	1	04/02/2018 05:22	WG1092315
2-Hexanone	U		0.00154	0.0113	1	04/02/2018 05:22	WG1092315
n-Hexane	U		0.000326	0.0113	1	04/02/2018 05:22	WG1092315
Iodomethane	U		0.00285	0.0113	1	04/02/2018 05:22	WG1092315
Isopropylbenzene	U		0.000273	0.00113	1	04/02/2018 05:22	WG1092315
p-Isopropyltoluene	U		0.000230	0.00113	1	04/02/2018 05:22	WG1092315
2-Butanone (MEK)	U		0.00527	0.0113	1	04/02/2018 05:22	WG1092315
Methylene Chloride	U		0.00113	0.00563	1	04/02/2018 05:22	WG1092315
4-Methyl-2-pentanone (MIBK)	U		0.00212	0.0113	1	04/02/2018 05:22	WG1092315

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000239	0.00113	1	04/02/2018 05:22	WG1092315
Naphthalene	U		0.00113	0.00563	1	04/02/2018 05:22	WG1092315
n-Propylbenzene	U		0.000232	0.00113	1	04/02/2018 05:22	WG1092315
Styrene	U		0.000263	0.00113	1	04/02/2018 05:22	WG1092315
1,1,1,2-Tetrachloroethane	U		0.000297	0.00113	1	04/02/2018 05:22	WG1092315
1,1,2,2-Tetrachloroethane	U		0.000411	0.00113	1	04/02/2018 05:22	WG1092315
1,1,2-Trichlorotrifluoroethane	U		0.000411	0.00113	1	04/02/2018 05:22	WG1092315
Tetrachloroethene	0.00623		0.000311	0.00113	1	04/02/2018 05:22	WG1092315
Toluene	U		0.000488	0.00563	1	04/02/2018 05:22	WG1092315
1,2,3-Trichlorobenzene	U		0.000344	0.00113	1	04/02/2018 05:22	WG1092315
1,2,4-Trichlorobenzene	U		0.000437	0.00113	1	04/02/2018 05:22	WG1092315
1,1,1-Trichloroethane	U		0.000322	0.00113	1	04/02/2018 05:22	WG1092315
1,1,2-Trichloroethane	U		0.000312	0.00113	1	04/02/2018 05:22	WG1092315
Trichloroethene	0.00152		0.000314	0.00113	1	04/02/2018 05:22	WG1092315
Trichlorofluoromethane	U		0.000430	0.00563	1	04/02/2018 05:22	WG1092315
1,2,3-Trichloropropane	U		0.000834	0.00281	1	04/02/2018 05:22	WG1092315
1,2,4-Trimethylbenzene	U		0.000237	0.00113	1	04/02/2018 05:22	WG1092315
1,2,3-Trimethylbenzene	U		0.000323	0.00113	1	04/02/2018 05:22	WG1092315
1,3,5-Trimethylbenzene	U		0.000299	0.00113	1	04/02/2018 05:22	WG1092315
Vinyl acetate	U		0.00269	0.0113	1	04/02/2018 05:22	WG1092315
Vinyl chloride	0.0194		0.000327	0.00113	1	04/02/2018 05:22	WG1092315
Xylenes, Total	U		0.000785	0.00338	1	04/02/2018 05:22	WG1092315
(S) Toluene-d8	*100*			*80.0-120*		*04/02/2018 05:22*	WG1092315
(S) Dibromofluoromethane	*98.7*			*74.0-131*		*04/02/2018 05:22*	WG1092315
(S) 4-Bromofluorobenzene	*106*			*64.0-132*		*04/02/2018 05:22*	WG1092315

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	89.8		1	04/04/2018 14:15	WG1093167

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.0537	J	0.0111	0.0556	1	04/02/2018 05:43	WG1092315
Acrylonitrile	U		0.00199	0.0111	1	04/02/2018 05:43	WG1092315
Benzene	U		0.000301	0.00111	1	04/02/2018 05:43	WG1092315
Bromobenzene	U		0.000316	0.00111	1	04/02/2018 05:43	WG1092315
Bromodichloromethane	U		0.000283	0.00111	1	04/02/2018 05:43	WG1092315
Bromochloromethane	U		0.000434	0.00556	1	04/02/2018 05:43	WG1092315
Bromoform	U		0.000472	0.00111	1	04/02/2018 05:43	WG1092315
Bromomethane	U		0.00149	0.00556	1	04/02/2018 05:43	WG1092315
n-Butylbenzene	U		0.000287	0.00111	1	04/02/2018 05:43	WG1092315
sec-Butylbenzene	U		0.000224	0.00111	1	04/02/2018 05:43	WG1092315
tert-Butylbenzene	U		0.000229	0.00111	1	04/02/2018 05:43	WG1092315
Carbon disulfide	0.000820	J	0.000246	0.00111	1	04/02/2018 05:43	WG1092315
Carbon tetrachloride	U		0.000365	0.00111	1	04/02/2018 05:43	WG1092315
Chlorobenzene	U		0.000236	0.00111	1	04/02/2018 05:43	WG1092315
Chlorodibromomethane	U		0.000415	0.00111	1	04/02/2018 05:43	WG1092315
Chloroethane	U		0.00105	0.00556	1	04/02/2018 05:43	WG1092315
Chloroform	U		0.000255	0.00556	1	04/02/2018 05:43	WG1092315
Chloromethane	U		0.000417	0.00278	1	04/02/2018 05:43	WG1092315
2-Chlorotoluene	U		0.000335	0.00111	1	04/02/2018 05:43	WG1092315
4-Chlorotoluene	U		0.000267	0.00111	1	04/02/2018 05:43	WG1092315
1,2-Dibromo-3-Chloropropane	U		0.00117	0.00556	1	04/02/2018 05:43	WG1092315
1,2-Dibromoethane	U		0.000382	0.00111	1	04/02/2018 05:43	WG1092315
Dibromomethane	U		0.000425	0.00111	1	04/02/2018 05:43	WG1092315
1,2-Dichlorobenzene	U		0.000339	0.00111	1	04/02/2018 05:43	WG1092315
1,3-Dichlorobenzene	U		0.000266	0.00111	1	04/02/2018 05:43	WG1092315
1,4-Dichlorobenzene	U		0.000252	0.00111	1	04/02/2018 05:43	WG1092315
Dichlorodifluoromethane	U		0.000794	0.00556	1	04/02/2018 05:43	WG1092315
1,1-Dichloroethane	U		0.000221	0.00111	1	04/02/2018 05:43	WG1092315
1,2-Dichloroethane	U		0.000295	0.00111	1	04/02/2018 05:43	WG1092315
1,1-Dichloroethene	U		0.000337	0.00111	1	04/02/2018 05:43	WG1092315
cis-1,2-Dichloroethene	0.107		0.000262	0.00111	1	04/02/2018 05:43	WG1092315
trans-1,2-Dichloroethene	U		0.000294	0.00111	1	04/02/2018 05:43	WG1092315
1,2-Dichloropropane	U		0.000398	0.00111	1	04/02/2018 05:43	WG1092315
1,1-Dichloropropene	U		0.000353	0.00111	1	04/02/2018 05:43	WG1092315
1,3-Dichloropropane	U		0.000230	0.00111	1	04/02/2018 05:43	WG1092315
cis-1,3-Dichloropropene	U		0.000292	0.00111	1	04/02/2018 05:43	WG1092315
trans-1,3-Dichloropropene	U		0.000297	0.00111	1	04/02/2018 05:43	WG1092315
trans-1,4-Dichloro-2-butene	U		0.000866	0.00278	1	04/02/2018 05:43	WG1092315
2,2-Dichloropropane	U		0.000311	0.00111	1	04/02/2018 05:43	WG1092315
Di-isopropyl ether	U		0.000276	0.00111	1	04/02/2018 05:43	WG1092315
Ethylbenzene	U		0.000331	0.00111	1	04/02/2018 05:43	WG1092315
Hexachloro-1,3-butadiene	U		0.000381	0.00111	1	04/02/2018 05:43	WG1092315
2-Hexanone	U		0.00152	0.0111	1	04/02/2018 05:43	WG1092315
n-Hexane	U		0.000323	0.0111	1	04/02/2018 05:43	WG1092315
Iodomethane	U		0.00282	0.0111	1	04/02/2018 05:43	WG1092315
Isopropylbenzene	U		0.000270	0.00111	1	04/02/2018 05:43	WG1092315
p-Isopropyltoluene	U		0.000227	0.00111	1	04/02/2018 05:43	WG1092315
2-Butanone (MEK)	0.0178		0.00521	0.0111	1	04/02/2018 05:43	WG1092315
Methylene Chloride	U		0.00111	0.00556	1	04/02/2018 05:43	WG1092315
4-Methyl-2-pentanone (MIBK)	U		0.00209	0.0111	1	04/02/2018 05:43	WG1092315

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000236	0.00111	1	04/02/2018 05:43	WG1092315
Naphthalene	U		0.00111	0.00556	1	04/02/2018 05:43	WG1092315
n-Propylbenzene	U		0.000229	0.00111	1	04/02/2018 05:43	WG1092315
Styrene	U		0.000260	0.00111	1	04/02/2018 05:43	WG1092315
1,1,1,2-Tetrachloroethane	U		0.000294	0.00111	1	04/02/2018 05:43	WG1092315
1,1,2,2-Tetrachloroethane	U		0.000406	0.00111	1	04/02/2018 05:43	WG1092315
1,1,2-Trichlorotrifluoroethane	U		0.000406	0.00111	1	04/02/2018 05:43	WG1092315
Tetrachloroethene	0.0149		0.000307	0.00111	1	04/02/2018 05:43	WG1092315
Toluene	U		0.000483	0.00556	1	04/02/2018 05:43	WG1092315
1,2,3-Trichlorobenzene	U		0.000341	0.00111	1	04/02/2018 05:43	WG1092315
1,2,4-Trichlorobenzene	U		0.000432	0.00111	1	04/02/2018 05:43	WG1092315
1,1,1-Trichloroethane	U		0.000318	0.00111	1	04/02/2018 05:43	WG1092315
1,1,2-Trichloroethane	U		0.000308	0.00111	1	04/02/2018 05:43	WG1092315
Trichloroethene	0.00287		0.000311	0.00111	1	04/02/2018 05:43	WG1092315
Trichlorofluoromethane	U		0.000425	0.00556	1	04/02/2018 05:43	WG1092315
1,2,3-Trichloropropane	U		0.000825	0.00278	1	04/02/2018 05:43	WG1092315
1,2,4-Trimethylbenzene	U		0.000235	0.00111	1	04/02/2018 05:43	WG1092315
1,2,3-Trimethylbenzene	U		0.000319	0.00111	1	04/02/2018 05:43	WG1092315
1,3,5-Trimethylbenzene	U		0.000296	0.00111	1	04/02/2018 05:43	WG1092315
Vinyl acetate	U		0.00266	0.0111	1	04/02/2018 05:43	WG1092315
Vinyl chloride	0.0204		0.000324	0.00111	1	04/02/2018 05:43	WG1092315
Xylenes, Total	U		0.000777	0.00334	1	04/02/2018 05:43	WG1092315
(S) Toluene-d8	*101*			*80.0-120*		*04/02/2018 05:43*	WG1092315
(S) Dibromofluoromethane	*98.9*			*74.0-131*		*04/02/2018 05:43*	WG1092315
(S) 4-Bromofluorobenzene	*104*			*64.0-132*		*04/02/2018 05:43*	WG1092315

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	90.0		1	04/04/2018 14:15	WG1093167

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.0272	J	0.0111	0.0556	1	04/02/2018 06:05	WG1092315
Acrylonitrile	U		0.00199	0.0111	1	04/02/2018 06:05	WG1092315
Benzene	U		0.000300	0.00111	1	04/02/2018 06:05	WG1092315
Bromobenzene	U		0.000316	0.00111	1	04/02/2018 06:05	WG1092315
Bromodichloromethane	U		0.000282	0.00111	1	04/02/2018 06:05	WG1092315
Bromochloromethane	U		0.000434	0.00556	1	04/02/2018 06:05	WG1092315
Bromoform	U		0.000471	0.00111	1	04/02/2018 06:05	WG1092315
Bromomethane	U		0.00149	0.00556	1	04/02/2018 06:05	WG1092315
n-Butylbenzene	U		0.000287	0.00111	1	04/02/2018 06:05	WG1092315
sec-Butylbenzene	U		0.000223	0.00111	1	04/02/2018 06:05	WG1092315
tert-Butylbenzene	U		0.000229	0.00111	1	04/02/2018 06:05	WG1092315
Carbon disulfide	0.000447	J	0.000246	0.00111	1	04/02/2018 06:05	WG1092315
Carbon tetrachloride	U		0.000365	0.00111	1	04/02/2018 06:05	WG1092315
Chlorobenzene	U		0.000236	0.00111	1	04/02/2018 06:05	WG1092315
Chlorodibromomethane	U		0.000415	0.00111	1	04/02/2018 06:05	WG1092315
Chloroethane	U		0.00105	0.00556	1	04/02/2018 06:05	WG1092315
Chloroform	U		0.000255	0.00556	1	04/02/2018 06:05	WG1092315
Chloromethane	U		0.000417	0.00278	1	04/02/2018 06:05	WG1092315
2-Chlorotoluene	U		0.000335	0.00111	1	04/02/2018 06:05	WG1092315
4-Chlorotoluene	U		0.000267	0.00111	1	04/02/2018 06:05	WG1092315
1,2-Dibromo-3-Chloropropane	U		0.00117	0.00556	1	04/02/2018 06:05	WG1092315
1,2-Dibromoethane	U		0.000381	0.00111	1	04/02/2018 06:05	WG1092315
Dibromomethane	U		0.000425	0.00111	1	04/02/2018 06:05	WG1092315
1,2-Dichlorobenzene	U		0.000339	0.00111	1	04/02/2018 06:05	WG1092315
1,3-Dichlorobenzene	U		0.000266	0.00111	1	04/02/2018 06:05	WG1092315
1,4-Dichlorobenzene	U		0.000251	0.00111	1	04/02/2018 06:05	WG1092315
Dichlorodifluoromethane	U		0.000793	0.00556	1	04/02/2018 06:05	WG1092315
1,1-Dichloroethane	U		0.000221	0.00111	1	04/02/2018 06:05	WG1092315
1,2-Dichloroethane	U		0.000295	0.00111	1	04/02/2018 06:05	WG1092315
1,1-Dichloroethene	U		0.000337	0.00111	1	04/02/2018 06:05	WG1092315
cis-1,2-Dichloroethene	0.00725		0.000261	0.00111	1	04/02/2018 06:05	WG1092315
trans-1,2-Dichloroethene	U		0.000293	0.00111	1	04/02/2018 06:05	WG1092315
1,2-Dichloropropane	U		0.000398	0.00111	1	04/02/2018 06:05	WG1092315
1,1-Dichloropropene	U		0.000352	0.00111	1	04/02/2018 06:05	WG1092315
1,3-Dichloropropane	U		0.000230	0.00111	1	04/02/2018 06:05	WG1092315
cis-1,3-Dichloropropene	U		0.000291	0.00111	1	04/02/2018 06:05	WG1092315
trans-1,3-Dichloropropene	U		0.000297	0.00111	1	04/02/2018 06:05	WG1092315
trans-1,4-Dichloro-2-butene	U		0.000865	0.00278	1	04/02/2018 06:05	WG1092315
2,2-Dichloropropane	U		0.000310	0.00111	1	04/02/2018 06:05	WG1092315
Di-isopropyl ether	U		0.000276	0.00111	1	04/02/2018 06:05	WG1092315
Ethylbenzene	U		0.000330	0.00111	1	04/02/2018 06:05	WG1092315
Hexachloro-1,3-butadiene	U		0.000380	0.00111	1	04/02/2018 06:05	WG1092315
2-Hexanone	U		0.00152	0.0111	1	04/02/2018 06:05	WG1092315
n-Hexane	U		0.000322	0.0111	1	04/02/2018 06:05	WG1092315
Iodomethane	U		0.00281	0.0111	1	04/02/2018 06:05	WG1092315
Isopropylbenzene	U		0.000270	0.00111	1	04/02/2018 06:05	WG1092315
p-Isopropyltoluene	U		0.000227	0.00111	1	04/02/2018 06:05	WG1092315
2-Butanone (MEK)	0.0126		0.00520	0.0111	1	04/02/2018 06:05	WG1092315
Methylene Chloride	U		0.00111	0.00556	1	04/02/2018 06:05	WG1092315
4-Methyl-2-pentanone (MIBK)	U		0.00209	0.0111	1	04/02/2018 06:05	WG1092315

Volatile Organic Compounds (GC/MS) by Method 8260C

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg		date / time	
Methyl tert-butyl ether	U		0.000236	0.00111	1	04/02/2018 06:05	WG1092315
Naphthalene	U		0.00111	0.00556	1	04/02/2018 06:05	WG1092315
n-Propylbenzene	U		0.000229	0.00111	1	04/02/2018 06:05	WG1092315
Styrene	U		0.000260	0.00111	1	04/02/2018 06:05	WG1092315
1,1,1,2-Tetrachloroethane	U		0.000293	0.00111	1	04/02/2018 06:05	WG1092315
1,1,2,2-Tetrachloroethane	U		0.000406	0.00111	1	04/02/2018 06:05	WG1092315
1,1,2-Trichlorotrifluoroethane	U		0.000406	0.00111	1	04/02/2018 06:05	WG1092315
Tetrachloroethene	0.00112		0.000307	0.00111	1	04/02/2018 06:05	WG1092315
Toluene	U		0.000482	0.00556	1	04/02/2018 06:05	WG1092315
1,2,3-Trichlorobenzene	U		0.000340	0.00111	1	04/02/2018 06:05	WG1092315
1,2,4-Trichlorobenzene	U		0.000431	0.00111	1	04/02/2018 06:05	WG1092315
1,1,1-Trichloroethane	U		0.000318	0.00111	1	04/02/2018 06:05	WG1092315
1,1,2-Trichloroethane	U		0.000308	0.00111	1	04/02/2018 06:05	WG1092315
Trichloroethene	0.000720	J	0.000310	0.00111	1	04/02/2018 06:05	WG1092315
Trichlorofluoromethane	U		0.000425	0.00556	1	04/02/2018 06:05	WG1092315
1,2,3-Trichloropropane	U		0.000824	0.00278	1	04/02/2018 06:05	WG1092315
1,2,4-Trimethylbenzene	U		0.000235	0.00111	1	04/02/2018 06:05	WG1092315
1,2,3-Trimethylbenzene	U		0.000319	0.00111	1	04/02/2018 06:05	WG1092315
1,3,5-Trimethylbenzene	U		0.000296	0.00111	1	04/02/2018 06:05	WG1092315
Vinyl acetate	U		0.00266	0.0111	1	04/02/2018 06:05	WG1092315
Vinyl chloride	0.00491		0.000323	0.00111	1	04/02/2018 06:05	WG1092315
Xylenes, Total	U		0.000776	0.00333	1	04/02/2018 06:05	WG1092315
(S) Toluene-d8	*103*			*80.0-120*		*04/02/2018 06:05*	WG1092315
(S) Dibromofluoromethane	*103*			*74.0-131*		*04/02/2018 06:05*	WG1092315
(S) 4-Bromofluorobenzene	*103*			*64.0-132*		*04/02/2018 06:05*	WG1092315

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	88.2		1	04/04/2018 14:15	WG1093167

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.0191	J	0.0113	0.0567	1	04/06/2018 06:44	WG1092315
Acrylonitrile	U		0.00203	0.0113	1	04/06/2018 06:44	WG1092315
Benzene	U		0.000306	0.00113	1	04/06/2018 06:44	WG1092315
Bromobenzene	U		0.000322	0.00113	1	04/06/2018 06:44	WG1092315
Bromodichloromethane	U		0.000288	0.00113	1	04/06/2018 06:44	WG1092315
Bromochloromethane	U		0.000442	0.00567	1	04/06/2018 06:44	WG1092315
Bromoform	U		0.000481	0.00113	1	04/06/2018 06:44	WG1092315
Bromomethane	U		0.00152	0.00567	1	04/06/2018 06:44	WG1092315
n-Butylbenzene	U		0.000292	0.00113	1	04/06/2018 06:44	WG1092315
sec-Butylbenzene	U		0.000228	0.00113	1	04/06/2018 06:44	WG1092315
tert-Butylbenzene	U		0.000233	0.00113	1	04/06/2018 06:44	WG1092315
Carbon disulfide	0.000449	J	0.000250	0.00113	1	04/06/2018 06:44	WG1092315
Carbon tetrachloride	U		0.000372	0.00113	1	04/06/2018 06:44	WG1092315
Chlorobenzene	U		0.000240	0.00113	1	04/06/2018 06:44	WG1092315
Chlorodibromomethane	U		0.000423	0.00113	1	04/06/2018 06:44	WG1092315
Chloroethane	U		0.00107	0.00567	1	04/06/2018 06:44	WG1092315
Chloroform	U		0.000260	0.00567	1	04/06/2018 06:44	WG1092315
Chloromethane	U		0.000425	0.00283	1	04/06/2018 06:44	WG1092315
2-Chlorotoluene	U		0.000341	0.00113	1	04/06/2018 06:44	WG1092315
4-Chlorotoluene	U		0.000272	0.00113	1	04/06/2018 06:44	WG1092315
1,2-Dibromo-3-Chloropropane	U		0.00119	0.00567	1	04/06/2018 06:44	WG1092315
1,2-Dibromoethane	U		0.000389	0.00113	1	04/06/2018 06:44	WG1092315
Dibromomethane	U		0.000433	0.00113	1	04/06/2018 06:44	WG1092315
1,2-Dichlorobenzene	U		0.000346	0.00113	1	04/06/2018 06:44	WG1092315
1,3-Dichlorobenzene	U		0.000271	0.00113	1	04/06/2018 06:44	WG1092315
1,4-Dichlorobenzene	U		0.000256	0.00113	1	04/06/2018 06:44	WG1092315
Dichlorodifluoromethane	U		0.000808	0.00567	1	04/06/2018 06:44	WG1092315
1,1-Dichloroethane	U		0.000226	0.00113	1	04/06/2018 06:44	WG1092315
1,2-Dichloroethane	U		0.000300	0.00113	1	04/06/2018 06:44	WG1092315
1,1-Dichloroethene	U		0.000343	0.00113	1	04/06/2018 06:44	WG1092315
cis-1,2-Dichloroethene	0.0159		0.000266	0.00113	1	04/06/2018 06:44	WG1092315
trans-1,2-Dichloroethene	U		0.000299	0.00113	1	04/06/2018 06:44	WG1092315
1,2-Dichloropropane	U		0.000406	0.00113	1	04/06/2018 06:44	WG1092315
1,1-Dichloropropene	U		0.000359	0.00113	1	04/06/2018 06:44	WG1092315
1,3-Dichloropropane	U		0.000235	0.00113	1	04/06/2018 06:44	WG1092315
cis-1,3-Dichloropropene	U		0.000297	0.00113	1	04/06/2018 06:44	WG1092315
trans-1,3-Dichloropropene	U		0.000303	0.00113	1	04/06/2018 06:44	WG1092315
trans-1,4-Dichloro-2-butene	U		0.000882	0.00283	1	04/06/2018 06:44	WG1092315
2,2-Dichloropropane	U		0.000316	0.00113	1	04/06/2018 06:44	WG1092315
Di-isopropyl ether	U		0.000281	0.00113	1	04/06/2018 06:44	WG1092315
Ethylbenzene	U		0.000337	0.00113	1	04/06/2018 06:44	WG1092315
Hexachloro-1,3-butadiene	U		0.000388	0.00113	1	04/06/2018 06:44	WG1092315
2-Hexanone	U		0.00155	0.0113	1	04/06/2018 06:44	WG1092315
n-Hexane	U		0.000329	0.0113	1	04/06/2018 06:44	WG1092315
Iodomethane	U		0.00287	0.0113	1	04/06/2018 06:44	WG1092315
Isopropylbenzene	U		0.000275	0.00113	1	04/06/2018 06:44	WG1092315
p-Isopropyltoluene	U		0.000231	0.00113	1	04/06/2018 06:44	WG1092315
2-Butanone (MEK)	U		0.00530	0.0113	1	04/06/2018 06:44	WG1092315
Methylene Chloride	U		0.00113	0.00567	1	04/06/2018 06:44	WG1092315
4-Methyl-2-pentanone (MIBK)	U		0.00213	0.0113	1	04/06/2018 06:44	WG1092315

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000240	0.00113	1	04/06/2018 06:44	WG1092315
Naphthalene	U		0.00113	0.00567	1	04/06/2018 06:44	WG1092315
n-Propylbenzene	U		0.000233	0.00113	1	04/06/2018 06:44	WG1092315
Styrene	U		0.000265	0.00113	1	04/06/2018 06:44	WG1092315
1,1,1,2-Tetrachloroethane	U		0.000299	0.00113	1	04/06/2018 06:44	WG1092315
1,1,2,2-Tetrachloroethane	U		0.000414	0.00113	1	04/06/2018 06:44	WG1092315
1,1,2-Trichlorotrifluoroethane	U		0.000414	0.00113	1	04/06/2018 06:44	WG1092315
Tetrachloroethene	0.00546		0.000313	0.00113	1	04/06/2018 06:44	WG1092315
Toluene	U		0.000492	0.00567	1	04/06/2018 06:44	WG1092315
1,2,3-Trichlorobenzene	U		0.000347	0.00113	1	04/06/2018 06:44	WG1092315
1,2,4-Trichlorobenzene	U		0.000440	0.00113	1	04/06/2018 06:44	WG1092315
1,1,1-Trichloroethane	U		0.000324	0.00113	1	04/06/2018 06:44	WG1092315
1,1,2-Trichloroethane	U		0.000314	0.00113	1	04/06/2018 06:44	WG1092315
Trichloroethene	0.00370		0.000316	0.00113	1	04/06/2018 06:44	WG1092315
Trichlorofluoromethane	U		0.000433	0.00567	1	04/06/2018 06:44	WG1092315
1,2,3-Trichloropropane	U		0.000840	0.00283	1	04/06/2018 06:44	WG1092315
1,2,4-Trimethylbenzene	U		0.000239	0.00113	1	04/06/2018 06:44	WG1092315
1,2,3-Trimethylbenzene	U		0.000325	0.00113	1	04/06/2018 06:44	WG1092315
1,3,5-Trimethylbenzene	U		0.000301	0.00113	1	04/06/2018 06:44	WG1092315
Vinyl acetate	U		0.00271	0.0113	1	04/06/2018 06:44	WG1092315
Vinyl chloride	0.0398		0.000330	0.00113	1	04/06/2018 06:44	WG1092315
Xylenes, Total	U		0.000791	0.00340	1	04/06/2018 06:44	WG1092315
(S) Toluene-d8	*106*			*80.0-120*		*04/06/2018 06:44*	WG1092315
(S) Dibromofluoromethane	*103*			*74.0-131*		*04/06/2018 06:44*	WG1092315
(S) 4-Bromofluorobenzene	*98.3*			*64.0-132*		*04/06/2018 06:44*	WG1092315

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	88.7		1	04/04/2018 13:45	WG1093168

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.0133	J	0.0113	0.0563	1	04/02/2018 06:47	WG1092315
Acrylonitrile	U		0.00202	0.0113	1	04/02/2018 06:47	WG1092315
Benzene	U		0.000304	0.00113	1	04/02/2018 06:47	WG1092315
Bromobenzene	U		0.000320	0.00113	1	04/02/2018 06:47	WG1092315
Bromodichloromethane	U		0.000286	0.00113	1	04/02/2018 06:47	WG1092315
Bromochloromethane	U		0.000440	0.00563	1	04/02/2018 06:47	WG1092315
Bromoform	U		0.000478	0.00113	1	04/02/2018 06:47	WG1092315
Bromomethane	U		0.00151	0.00563	1	04/02/2018 06:47	WG1092315
n-Butylbenzene	U		0.000291	0.00113	1	04/02/2018 06:47	WG1092315
sec-Butylbenzene	U		0.000227	0.00113	1	04/02/2018 06:47	WG1092315
tert-Butylbenzene	U		0.000232	0.00113	1	04/02/2018 06:47	WG1092315
Carbon disulfide	U		0.000249	0.00113	1	04/02/2018 06:47	WG1092315
Carbon tetrachloride	U		0.000370	0.00113	1	04/02/2018 06:47	WG1092315
Chlorobenzene	U		0.000239	0.00113	1	04/02/2018 06:47	WG1092315
Chlorodibromomethane	U		0.000420	0.00113	1	04/02/2018 06:47	WG1092315
Chloroethane	U		0.00107	0.00563	1	04/02/2018 06:47	WG1092315
Chloroform	U		0.000258	0.00563	1	04/02/2018 06:47	WG1092315
Chloromethane	U		0.000423	0.00282	1	04/02/2018 06:47	WG1092315
2-Chlorotoluene	U		0.000339	0.00113	1	04/02/2018 06:47	WG1092315
4-Chlorotoluene	U		0.000270	0.00113	1	04/02/2018 06:47	WG1092315
1,2-Dibromo-3-Chloropropane	U		0.00118	0.00563	1	04/02/2018 06:47	WG1092315
1,2-Dibromoethane	U		0.000387	0.00113	1	04/02/2018 06:47	WG1092315
Dibromomethane	U		0.000431	0.00113	1	04/02/2018 06:47	WG1092315
1,2-Dichlorobenzene	U		0.000344	0.00113	1	04/02/2018 06:47	WG1092315
1,3-Dichlorobenzene	U		0.000269	0.00113	1	04/02/2018 06:47	WG1092315
1,4-Dichlorobenzene	U		0.000255	0.00113	1	04/02/2018 06:47	WG1092315
Dichlorodifluoromethane	U		0.000804	0.00563	1	04/02/2018 06:47	WG1092315
1,1-Dichloroethane	U		0.000224	0.00113	1	04/02/2018 06:47	WG1092315
1,2-Dichloroethane	U		0.000299	0.00113	1	04/02/2018 06:47	WG1092315
1,1-Dichloroethene	0.000632	J	0.000341	0.00113	1	04/02/2018 06:47	WG1092315
cis-1,2-Dichloroethene	0.0583		0.000265	0.00113	1	04/02/2018 06:47	WG1092315
trans-1,2-Dichloroethene	U		0.000298	0.00113	1	04/02/2018 06:47	WG1092315
1,2-Dichloropropane	U		0.000403	0.00113	1	04/02/2018 06:47	WG1092315
1,1-Dichloropropene	U		0.000357	0.00113	1	04/02/2018 06:47	WG1092315
1,3-Dichloropropane	U		0.000233	0.00113	1	04/02/2018 06:47	WG1092315
cis-1,3-Dichloropropene	U		0.000295	0.00113	1	04/02/2018 06:47	WG1092315
trans-1,3-Dichloropropene	U		0.000301	0.00113	1	04/02/2018 06:47	WG1092315
trans-1,4-Dichloro-2-butene	U		0.000877	0.00282	1	04/02/2018 06:47	WG1092315
2,2-Dichloropropane	U		0.000314	0.00113	1	04/02/2018 06:47	WG1092315
Di-isopropyl ether	U		0.000279	0.00113	1	04/02/2018 06:47	WG1092315
Ethylbenzene	U		0.000335	0.00113	1	04/02/2018 06:47	WG1092315
Hexachloro-1,3-butadiene	U		0.000385	0.00113	1	04/02/2018 06:47	WG1092315
2-Hexanone	U		0.00154	0.0113	1	04/02/2018 06:47	WG1092315
n-Hexane	U		0.000327	0.0113	1	04/02/2018 06:47	WG1092315
Iodomethane	U		0.00285	0.0113	1	04/02/2018 06:47	WG1092315
Isopropylbenzene	U		0.000274	0.00113	1	04/02/2018 06:47	WG1092315
p-Isopropyltoluene	U		0.000230	0.00113	1	04/02/2018 06:47	WG1092315
2-Butanone (MEK)	U		0.00527	0.0113	1	04/02/2018 06:47	WG1092315
Methylene Chloride	U		0.00113	0.00563	1	04/02/2018 06:47	WG1092315
4-Methyl-2-pentanone (MIBK)	U		0.00212	0.0113	1	04/02/2018 06:47	WG1092315

Volatile Organic Compounds (GC/MS) by Method 8260C

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg		date / time	
Methyl tert-butyl ether	U		0.000239	0.00113	1	04/02/2018 06:47	WG1092315
Naphthalene	U		0.00113	0.00563	1	04/02/2018 06:47	WG1092315
n-Propylbenzene	U		0.000232	0.00113	1	04/02/2018 06:47	WG1092315
Styrene	U		0.000264	0.00113	1	04/02/2018 06:47	WG1092315
1,1,1,2-Tetrachloroethane	U		0.000298	0.00113	1	04/02/2018 06:47	WG1092315
1,1,2,2-Tetrachloroethane	U		0.000411	0.00113	1	04/02/2018 06:47	WG1092315
1,1,2-Trichlorotrifluoroethane	U		0.000411	0.00113	1	04/02/2018 06:47	WG1092315
Tetrachloroethene	0.00226		0.000311	0.00113	1	04/02/2018 06:47	WG1092315
Toluene	U		0.000489	0.00563	1	04/02/2018 06:47	WG1092315
1,2,3-Trichlorobenzene	U		0.000345	0.00113	1	04/02/2018 06:47	WG1092315
1,2,4-Trichlorobenzene	U		0.000437	0.00113	1	04/02/2018 06:47	WG1092315
1,1,1-Trichloroethane	U		0.000322	0.00113	1	04/02/2018 06:47	WG1092315
1,1,2-Trichloroethane	U		0.000312	0.00113	1	04/02/2018 06:47	WG1092315
Trichloroethene	0.00313		0.000314	0.00113	1	04/02/2018 06:47	WG1092315
Trichlorofluoromethane	U		0.000431	0.00563	1	04/02/2018 06:47	WG1092315
1,2,3-Trichloropropane	U		0.000835	0.00282	1	04/02/2018 06:47	WG1092315
1,2,4-Trimethylbenzene	U		0.000238	0.00113	1	04/02/2018 06:47	WG1092315
1,2,3-Trimethylbenzene	U		0.000323	0.00113	1	04/02/2018 06:47	WG1092315
1,3,5-Trimethylbenzene	U		0.000300	0.00113	1	04/02/2018 06:47	WG1092315
Vinyl acetate	U		0.00269	0.0113	1	04/02/2018 06:47	WG1092315
Vinyl chloride	0.00776		0.000328	0.00113	1	04/02/2018 06:47	WG1092315
Xylenes, Total	U		0.000787	0.00338	1	04/02/2018 06:47	WG1092315
(S) Toluene-d8	*99.5*			*80.0-120*		*04/02/2018 06:47*	WG1092315
(S) Dibromofluoromethane	*103*			*74.0-131*		*04/02/2018 06:47*	WG1092315
(S) 4-Bromofluorobenzene	*103*			*64.0-132*		*04/02/2018 06:47*	WG1092315

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	93.4		1	04/04/2018 13:45	WG1093168

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.0212	J	0.0107	0.0536	1	04/02/2018 07:08	WG1092315
Acrylonitrile	U		0.00192	0.0107	1	04/02/2018 07:08	WG1092315
Benzene	0.000503	J	0.000289	0.00107	1	04/02/2018 07:08	WG1092315
Bromobenzene	U		0.000304	0.00107	1	04/02/2018 07:08	WG1092315
Bromodichloromethane	U		0.000272	0.00107	1	04/02/2018 07:08	WG1092315
Bromochloromethane	U		0.000418	0.00536	1	04/02/2018 07:08	WG1092315
Bromoform	U		0.000454	0.00107	1	04/02/2018 07:08	WG1092315
Bromomethane	U		0.00144	0.00536	1	04/02/2018 07:08	WG1092315
n-Butylbenzene	U		0.000276	0.00107	1	04/02/2018 07:08	WG1092315
sec-Butylbenzene	U		0.000215	0.00107	1	04/02/2018 07:08	WG1092315
tert-Butylbenzene	U		0.000221	0.00107	1	04/02/2018 07:08	WG1092315
Carbon disulfide	0.000626	J	0.000237	0.00107	1	04/02/2018 07:08	WG1092315
Carbon tetrachloride	U		0.000351	0.00107	1	04/02/2018 07:08	WG1092315
Chlorobenzene	U		0.000227	0.00107	1	04/02/2018 07:08	WG1092315
Chlorodibromomethane	U		0.000400	0.00107	1	04/02/2018 07:08	WG1092315
Chloroethane	U		0.00101	0.00536	1	04/02/2018 07:08	WG1092315
Chloroform	U		0.000245	0.00536	1	04/02/2018 07:08	WG1092315
Chloromethane	U		0.000402	0.00268	1	04/02/2018 07:08	WG1092315
2-Chlorotoluene	U		0.000322	0.00107	1	04/02/2018 07:08	WG1092315
4-Chlorotoluene	U		0.000257	0.00107	1	04/02/2018 07:08	WG1092315
1,2-Dibromo-3-Chloropropane	U		0.00112	0.00536	1	04/02/2018 07:08	WG1092315
1,2-Dibromoethane	U		0.000367	0.00107	1	04/02/2018 07:08	WG1092315
Dibromomethane	U		0.000409	0.00107	1	04/02/2018 07:08	WG1092315
1,2-Dichlorobenzene	U		0.000327	0.00107	1	04/02/2018 07:08	WG1092315
1,3-Dichlorobenzene	U		0.000256	0.00107	1	04/02/2018 07:08	WG1092315
1,4-Dichlorobenzene	U		0.000242	0.00107	1	04/02/2018 07:08	WG1092315
Dichlorodifluoromethane	U		0.000764	0.00536	1	04/02/2018 07:08	WG1092315
1,1-Dichloroethane	U		0.000213	0.00107	1	04/02/2018 07:08	WG1092315
1,2-Dichloroethane	U		0.000284	0.00107	1	04/02/2018 07:08	WG1092315
1,1-Dichloroethene	U		0.000325	0.00107	1	04/02/2018 07:08	WG1092315
cis-1,2-Dichloroethene	0.0180		0.000252	0.00107	1	04/02/2018 07:08	WG1092315
trans-1,2-Dichloroethene	U		0.000283	0.00107	1	04/02/2018 07:08	WG1092315
1,2-Dichloropropane	U		0.000383	0.00107	1	04/02/2018 07:08	WG1092315
1,1-Dichloropropene	U		0.000340	0.00107	1	04/02/2018 07:08	WG1092315
1,3-Dichloropropane	U		0.000222	0.00107	1	04/02/2018 07:08	WG1092315
cis-1,3-Dichloropropene	U		0.000281	0.00107	1	04/02/2018 07:08	WG1092315
trans-1,3-Dichloropropene	U		0.000286	0.00107	1	04/02/2018 07:08	WG1092315
trans-1,4-Dichloro-2-butene	U		0.000833	0.00268	1	04/02/2018 07:08	WG1092315
2,2-Dichloropropane	U		0.000299	0.00107	1	04/02/2018 07:08	WG1092315
Di-isopropyl ether	U		0.000266	0.00107	1	04/02/2018 07:08	WG1092315
Ethylbenzene	U		0.000318	0.00107	1	04/02/2018 07:08	WG1092315
Hexachloro-1,3-butadiene	U		0.000366	0.00107	1	04/02/2018 07:08	WG1092315
2-Hexanone	U		0.00147	0.0107	1	04/02/2018 07:08	WG1092315
n-Hexane	U		0.000311	0.0107	1	04/02/2018 07:08	WG1092315
Iodomethane	U		0.00271	0.0107	1	04/02/2018 07:08	WG1092315
Isopropylbenzene	U		0.000260	0.00107	1	04/02/2018 07:08	WG1092315
p-Isopropyltoluene	U		0.000219	0.00107	1	04/02/2018 07:08	WG1092315
2-Butanone (MEK)	0.00503	J	0.00501	0.0107	1	04/02/2018 07:08	WG1092315
Methylene Chloride	U		0.00107	0.00536	1	04/02/2018 07:08	WG1092315
4-Methyl-2-pentanone (MIBK)	U		0.00201	0.0107	1	04/02/2018 07:08	WG1092315

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000227	0.00107	1	04/02/2018 07:08	WG1092315
Naphthalene	U		0.00107	0.00536	1	04/02/2018 07:08	WG1092315
n-Propylbenzene	U		0.000221	0.00107	1	04/02/2018 07:08	WG1092315
Styrene	U		0.000251	0.00107	1	04/02/2018 07:08	WG1092315
1,1,1,2-Tetrachloroethane	U		0.000283	0.00107	1	04/02/2018 07:08	WG1092315
1,1,2,2-Tetrachloroethane	U		0.000391	0.00107	1	04/02/2018 07:08	WG1092315
1,1,2-Trichlorotrifluoroethane	U		0.000391	0.00107	1	04/02/2018 07:08	WG1092315
Tetrachloroethene	0.00176		0.000296	0.00107	1	04/02/2018 07:08	WG1092315
Toluene	U		0.000465	0.00536	1	04/02/2018 07:08	WG1092315
1,2,3-Trichlorobenzene	U		0.000328	0.00107	1	04/02/2018 07:08	WG1092315
1,2,4-Trichlorobenzene	U		0.000416	0.00107	1	04/02/2018 07:08	WG1092315
1,1,1-Trichloroethane	U		0.000306	0.00107	1	04/02/2018 07:08	WG1092315
1,1,2-Trichloroethane	U		0.000297	0.00107	1	04/02/2018 07:08	WG1092315
Trichloroethene	0.00181		0.000299	0.00107	1	04/02/2018 07:08	WG1092315
Trichlorofluoromethane	U		0.000409	0.00536	1	04/02/2018 07:08	WG1092315
1,2,3-Trichloropropane	U		0.000794	0.00268	1	04/02/2018 07:08	WG1092315
1,2,4-Trimethylbenzene	U		0.000226	0.00107	1	04/02/2018 07:08	WG1092315
1,2,3-Trimethylbenzene	U		0.000307	0.00107	1	04/02/2018 07:08	WG1092315
1,3,5-Trimethylbenzene	U		0.000285	0.00107	1	04/02/2018 07:08	WG1092315
Vinyl acetate	U		0.00256	0.0107	1	04/02/2018 07:08	WG1092315
Vinyl chloride	0.00999		0.000312	0.00107	1	04/02/2018 07:08	WG1092315
Xylenes, Total	U		0.000748	0.00321	1	04/02/2018 07:08	WG1092315
(S) Toluene-d8	*101*			*80.0-120*		*04/02/2018 07:08*	WG1092315
(S) Dibromofluoromethane	*104*			*74.0-131*		*04/02/2018 07:08*	WG1092315
(S) 4-Bromofluorobenzene	*104*			*64.0-132*		*04/02/2018 07:08*	WG1092315

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	87.4		1	04/04/2018 13:45	WG1093168

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.0207	J	0.0114	0.0572	1	04/02/2018 07:29	WG1092315
Acrylonitrile	U		0.00205	0.0114	1	04/02/2018 07:29	WG1092315
Benzene	U		0.000309	0.00114	1	04/02/2018 07:29	WG1092315
Bromobenzene	U		0.000325	0.00114	1	04/02/2018 07:29	WG1092315
Bromodichloromethane	U		0.000291	0.00114	1	04/02/2018 07:29	WG1092315
Bromochloromethane	U		0.000446	0.00572	1	04/02/2018 07:29	WG1092315
Bromoform	U		0.000485	0.00114	1	04/02/2018 07:29	WG1092315
Bromomethane	U		0.00153	0.00572	1	04/02/2018 07:29	WG1092315
n-Butylbenzene	U		0.000295	0.00114	1	04/02/2018 07:29	WG1092315
sec-Butylbenzene	U		0.000230	0.00114	1	04/02/2018 07:29	WG1092315
tert-Butylbenzene	U		0.000236	0.00114	1	04/02/2018 07:29	WG1092315
Carbon disulfide	0.000633	J	0.000253	0.00114	1	04/02/2018 07:29	WG1092315
Carbon tetrachloride	U		0.000375	0.00114	1	04/02/2018 07:29	WG1092315
Chlorobenzene	U		0.000243	0.00114	1	04/02/2018 07:29	WG1092315
Chlorodibromomethane	U		0.000427	0.00114	1	04/02/2018 07:29	WG1092315
Chloroethane	U		0.00108	0.00572	1	04/02/2018 07:29	WG1092315
Chloroform	U		0.000262	0.00572	1	04/02/2018 07:29	WG1092315
Chloromethane	U		0.000429	0.00286	1	04/02/2018 07:29	WG1092315
2-Chlorotoluene	U		0.000344	0.00114	1	04/02/2018 07:29	WG1092315
4-Chlorotoluene	U		0.000275	0.00114	1	04/02/2018 07:29	WG1092315
1,2-Dibromo-3-Chloropropane	U		0.00120	0.00572	1	04/02/2018 07:29	WG1092315
1,2-Dibromoethane	U		0.000392	0.00114	1	04/02/2018 07:29	WG1092315
Dibromomethane	U		0.000437	0.00114	1	04/02/2018 07:29	WG1092315
1,2-Dichlorobenzene	U		0.000349	0.00114	1	04/02/2018 07:29	WG1092315
1,3-Dichlorobenzene	U		0.000273	0.00114	1	04/02/2018 07:29	WG1092315
1,4-Dichlorobenzene	U		0.000259	0.00114	1	04/02/2018 07:29	WG1092315
Dichlorodifluoromethane	U		0.000816	0.00572	1	04/02/2018 07:29	WG1092315
1,1-Dichloroethane	U		0.000228	0.00114	1	04/02/2018 07:29	WG1092315
1,2-Dichloroethane	U		0.000303	0.00114	1	04/02/2018 07:29	WG1092315
1,1-Dichloroethene	U		0.000347	0.00114	1	04/02/2018 07:29	WG1092315
cis-1,2-Dichloroethene	0.0101		0.000269	0.00114	1	04/02/2018 07:29	WG1092315
trans-1,2-Dichloroethene	U		0.000302	0.00114	1	04/02/2018 07:29	WG1092315
1,2-Dichloropropane	U		0.000410	0.00114	1	04/02/2018 07:29	WG1092315
1,1-Dichloropropene	U		0.000363	0.00114	1	04/02/2018 07:29	WG1092315
1,3-Dichloropropane	U		0.000237	0.00114	1	04/02/2018 07:29	WG1092315
cis-1,3-Dichloropropene	U		0.000300	0.00114	1	04/02/2018 07:29	WG1092315
trans-1,3-Dichloropropene	U		0.000305	0.00114	1	04/02/2018 07:29	WG1092315
trans-1,4-Dichloro-2-butene	U		0.000890	0.00286	1	04/02/2018 07:29	WG1092315
2,2-Dichloropropane	U		0.000319	0.00114	1	04/02/2018 07:29	WG1092315
Di-isopropyl ether	U		0.000284	0.00114	1	04/02/2018 07:29	WG1092315
Ethylbenzene	U		0.000340	0.00114	1	04/02/2018 07:29	WG1092315
Hexachloro-1,3-butadiene	U		0.000391	0.00114	1	04/02/2018 07:29	WG1092315
2-Hexanone	U		0.00157	0.0114	1	04/02/2018 07:29	WG1092315
n-Hexane	U		0.000332	0.0114	1	04/02/2018 07:29	WG1092315
Iodomethane	U		0.00289	0.0114	1	04/02/2018 07:29	WG1092315
Isopropylbenzene	U		0.000278	0.00114	1	04/02/2018 07:29	WG1092315
p-Isopropyltoluene	U		0.000233	0.00114	1	04/02/2018 07:29	WG1092315
2-Butanone (MEK)	0.00572	J	0.00535	0.0114	1	04/02/2018 07:29	WG1092315
Methylene Chloride	U		0.00114	0.00572	1	04/02/2018 07:29	WG1092315
4-Methyl-2-pentanone (MIBK)	U		0.00215	0.0114	1	04/02/2018 07:29	WG1092315

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000243	0.00114	1	04/02/2018 07:29	WG1092315
Naphthalene	U		0.00114	0.00572	1	04/02/2018 07:29	WG1092315
n-Propylbenzene	U		0.000236	0.00114	1	04/02/2018 07:29	WG1092315
Styrene	U		0.000268	0.00114	1	04/02/2018 07:29	WG1092315
1,1,1,2-Tetrachloroethane	U		0.000302	0.00114	1	04/02/2018 07:29	WG1092315
1,1,2,2-Tetrachloroethane	U		0.000418	0.00114	1	04/02/2018 07:29	WG1092315
1,1,2-Trichlorotrifluoroethane	U		0.000418	0.00114	1	04/02/2018 07:29	WG1092315
Tetrachloroethene	0.000656	J	0.000316	0.00114	1	04/02/2018 07:29	WG1092315
Toluene	U		0.000497	0.00572	1	04/02/2018 07:29	WG1092315
1,2,3-Trichlorobenzene	U		0.000350	0.00114	1	04/02/2018 07:29	WG1092315
1,2,4-Trichlorobenzene	U		0.000444	0.00114	1	04/02/2018 07:29	WG1092315
1,1,1-Trichloroethane	U		0.000327	0.00114	1	04/02/2018 07:29	WG1092315
1,1,2-Trichloroethane	U		0.000317	0.00114	1	04/02/2018 07:29	WG1092315
Trichloroethene	0.000449	J	0.000319	0.00114	1	04/02/2018 07:29	WG1092315
Trichlorofluoromethane	U		0.000437	0.00572	1	04/02/2018 07:29	WG1092315
1,2,3-Trichloropropane	U		0.000848	0.00286	1	04/02/2018 07:29	WG1092315
1,2,4-Trimethylbenzene	U		0.000241	0.00114	1	04/02/2018 07:29	WG1092315
1,2,3-Trimethylbenzene	U		0.000328	0.00114	1	04/02/2018 07:29	WG1092315
1,3,5-Trimethylbenzene	U		0.000304	0.00114	1	04/02/2018 07:29	WG1092315
Vinyl acetate	U		0.00273	0.0114	1	04/02/2018 07:29	WG1092315
Vinyl chloride	0.00929		0.000333	0.00114	1	04/02/2018 07:29	WG1092315
Xylenes, Total	U		0.000799	0.00343	1	04/02/2018 07:29	WG1092315
(S) Toluene-d8	*101*			*80.0-120*		*04/02/2018 07:29*	WG1092315
(S) Dibromofluoromethane	*105*			*74.0-131*		*04/02/2018 07:29*	WG1092315
(S) 4-Bromofluorobenzene	*104*			*64.0-132*		*04/02/2018 07:29*	WG1092315

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	85.0		1	04/04/2018 13:45	WG1093168

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U	J0	0.0118	0.0588	1	04/01/2018 23:39	WG1092317
Acrylonitrile	U		0.00211	0.0118	1	04/01/2018 23:39	WG1092317
Benzene	U		0.000318	0.00118	1	04/01/2018 23:39	WG1092317
Bromobenzene	U		0.000334	0.00118	1	04/01/2018 23:39	WG1092317
Bromodichloromethane	U		0.000299	0.00118	1	04/01/2018 23:39	WG1092317
Bromochloromethane	U		0.000459	0.00588	1	04/01/2018 23:39	WG1092317
Bromoform	U	J0	0.000499	0.00118	1	04/01/2018 23:39	WG1092317
Bromomethane	U		0.00158	0.00588	1	04/01/2018 23:39	WG1092317
n-Butylbenzene	U		0.000303	0.00118	1	04/01/2018 23:39	WG1092317
sec-Butylbenzene	U		0.000236	0.00118	1	04/01/2018 23:39	WG1092317
tert-Butylbenzene	U		0.000242	0.00118	1	04/01/2018 23:39	WG1092317
Carbon disulfide	U		0.000260	0.00118	1	04/01/2018 23:39	WG1092317
Carbon tetrachloride	U		0.000386	0.00118	1	04/01/2018 23:39	WG1092317
Chlorobenzene	U		0.000249	0.00118	1	04/01/2018 23:39	WG1092317
Chlorodibromomethane	U		0.000439	0.00118	1	04/01/2018 23:39	WG1092317
Chloroethane	U		0.00111	0.00588	1	04/01/2018 23:39	WG1092317
Chloroform	U		0.000269	0.00588	1	04/01/2018 23:39	WG1092317
Chloromethane	U		0.000441	0.00294	1	04/01/2018 23:39	WG1092317
2-Chlorotoluene	U		0.000354	0.00118	1	04/01/2018 23:39	WG1092317
4-Chlorotoluene	U		0.000282	0.00118	1	04/01/2018 23:39	WG1092317
1,2-Dibromo-3-Chloropropane	U		0.00124	0.00588	1	04/01/2018 23:39	WG1092317
1,2-Dibromoethane	U		0.000403	0.00118	1	04/01/2018 23:39	WG1092317
Dibromomethane	U		0.000449	0.00118	1	04/01/2018 23:39	WG1092317
1,2-Dichlorobenzene	U		0.000359	0.00118	1	04/01/2018 23:39	WG1092317
1,3-Dichlorobenzene	U		0.000281	0.00118	1	04/01/2018 23:39	WG1092317
1,4-Dichlorobenzene	U		0.000266	0.00118	1	04/01/2018 23:39	WG1092317
Dichlorodifluoromethane	U		0.000839	0.00588	1	04/01/2018 23:39	WG1092317
1,1-Dichloroethane	U		0.000234	0.00118	1	04/01/2018 23:39	WG1092317
1,2-Dichloroethane	U		0.000312	0.00118	1	04/01/2018 23:39	WG1092317
1,1-Dichloroethene	U		0.000356	0.00118	1	04/01/2018 23:39	WG1092317
cis-1,2-Dichloroethene	0.000656	J	0.000276	0.00118	1	04/01/2018 23:39	WG1092317
trans-1,2-Dichloroethene	U		0.000311	0.00118	1	04/01/2018 23:39	WG1092317
1,2-Dichloropropane	U		0.000421	0.00118	1	04/01/2018 23:39	WG1092317
1,1-Dichloropropene	U		0.000373	0.00118	1	04/01/2018 23:39	WG1092317
1,3-Dichloropropane	U		0.000244	0.00118	1	04/01/2018 23:39	WG1092317
cis-1,3-Dichloropropene	U		0.000308	0.00118	1	04/01/2018 23:39	WG1092317
trans-1,3-Dichloropropene	U		0.000314	0.00118	1	04/01/2018 23:39	WG1092317
trans-1,4-Dichloro-2-butene	U	J0	0.000915	0.00294	1	04/01/2018 23:39	WG1092317
2,2-Dichloropropane	U		0.000328	0.00118	1	04/01/2018 23:39	WG1092317
Di-isopropyl ether	U	J0	0.000292	0.00118	1	04/01/2018 23:39	WG1092317
Ethylbenzene	U		0.000349	0.00118	1	04/01/2018 23:39	WG1092317
Hexachloro-1,3-butadiene	U		0.000402	0.00118	1	04/01/2018 23:39	WG1092317
2-Hexanone	U		0.00161	0.0118	1	04/01/2018 23:39	WG1092317
n-Hexane	U		0.000341	0.0118	1	04/01/2018 23:39	WG1092317
Iodomethane	U		0.00298	0.0118	1	04/01/2018 23:39	WG1092317
Isopropylbenzene	U		0.000286	0.00118	1	04/01/2018 23:39	WG1092317
p-Isopropyltoluene	U		0.000240	0.00118	1	04/01/2018 23:39	WG1092317
2-Butanone (MEK)	U	J0	0.00551	0.0118	1	04/01/2018 23:39	WG1092317
Methylene Chloride	U		0.00118	0.00588	1	04/01/2018 23:39	WG1092317
4-Methyl-2-pentanone (MIBK)	U		0.00221	0.0118	1	04/01/2018 23:39	WG1092317

B-245-70

Collected date/time: 03/29/18 10:08

SAMPLE RESULTS - 33

L981889

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000249	0.00118	1	04/01/2018 23:39	WG1092317
Naphthalene	U		0.00118	0.00588	1	04/01/2018 23:39	WG1092317
n-Propylbenzene	U		0.000242	0.00118	1	04/01/2018 23:39	WG1092317
Styrene	U		0.000275	0.00118	1	04/01/2018 23:39	WG1092317
1,1,1,2-Tetrachloroethane	U		0.000311	0.00118	1	04/01/2018 23:39	WG1092317
1,1,2,2-Tetrachloroethane	U		0.000429	0.00118	1	04/01/2018 23:39	WG1092317
1,1,2-Trichlorotrifluoroethane	U		0.000429	0.00118	1	04/01/2018 23:39	WG1092317
Tetrachloroethene	U		0.000325	0.00118	1	04/01/2018 23:39	WG1092317
Toluene	U		0.000511	0.00588	1	04/01/2018 23:39	WG1092317
1,2,3-Trichlorobenzene	U	J4	0.000360	0.00118	1	04/01/2018 23:39	WG1092317
1,2,4-Trichlorobenzene	U	J4	0.000456	0.00118	1	04/01/2018 23:39	WG1092317
1,1,1-Trichloroethane	U		0.000336	0.00118	1	04/01/2018 23:39	WG1092317
1,1,2-Trichloroethane	U		0.000326	0.00118	1	04/01/2018 23:39	WG1092317
Trichloroethene	U		0.000328	0.00118	1	04/01/2018 23:39	WG1092317
Trichlorofluoromethane	U		0.000449	0.00588	1	04/01/2018 23:39	WG1092317
1,2,3-Trichloropropane	U		0.000872	0.00294	1	04/01/2018 23:39	WG1092317
1,2,4-Trimethylbenzene	U		0.000248	0.00118	1	04/01/2018 23:39	WG1092317
1,2,3-Trimethylbenzene	U		0.000338	0.00118	1	04/01/2018 23:39	WG1092317
1,3,5-Trimethylbenzene	U		0.000313	0.00118	1	04/01/2018 23:39	WG1092317
Vinyl acetate	U	J0	0.00281	0.0118	1	04/01/2018 23:39	WG1092317
Vinyl chloride	0.00151		0.000342	0.00118	1	04/01/2018 23:39	WG1092317
Xylenes, Total	U		0.000821	0.00353	1	04/01/2018 23:39	WG1092317
(S) Toluene-d8	*103*			*80.0-120*		*04/01/2018 23:39*	WG1092317
(S) Dibromofluoromethane	*102*			*74.0-131*		*04/01/2018 23:39*	WG1092317
(S) 4-Bromofluorobenzene	*92.9*			*64.0-132*		*04/01/2018 23:39*	WG1092317

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	88.7		1	04/04/2018 13:45	WG1093168

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U	J0	0.0113	0.0564	1	04/01/2018 23:59	WG1092317
Acrylonitrile	U		0.00202	0.0113	1	04/01/2018 23:59	WG1092317
Benzene	U		0.000304	0.00113	1	04/01/2018 23:59	WG1092317
Bromobenzene	U		0.000320	0.00113	1	04/01/2018 23:59	WG1092317
Bromodichloromethane	U		0.000286	0.00113	1	04/01/2018 23:59	WG1092317
Bromochloromethane	U		0.000440	0.00564	1	04/01/2018 23:59	WG1092317
Bromoform	U	J0	0.000478	0.00113	1	04/01/2018 23:59	WG1092317
Bromomethane	U		0.00151	0.00564	1	04/01/2018 23:59	WG1092317
n-Butylbenzene	U		0.000291	0.00113	1	04/01/2018 23:59	WG1092317
sec-Butylbenzene	U		0.000227	0.00113	1	04/01/2018 23:59	WG1092317
tert-Butylbenzene	U		0.000232	0.00113	1	04/01/2018 23:59	WG1092317
Carbon disulfide	0.000440	J	0.000249	0.00113	1	04/01/2018 23:59	WG1092317
Carbon tetrachloride	U		0.000370	0.00113	1	04/01/2018 23:59	WG1092317
Chlorobenzene	U		0.000239	0.00113	1	04/01/2018 23:59	WG1092317
Chlorodibromomethane	U		0.000420	0.00113	1	04/01/2018 23:59	WG1092317
Chloroethane	U		0.00107	0.00564	1	04/01/2018 23:59	WG1092317
Chloroform	U		0.000258	0.00564	1	04/01/2018 23:59	WG1092317
Chloromethane	U		0.000423	0.00282	1	04/01/2018 23:59	WG1092317
2-Chlorotoluene	U		0.000339	0.00113	1	04/01/2018 23:59	WG1092317
4-Chlorotoluene	U		0.000270	0.00113	1	04/01/2018 23:59	WG1092317
1,2-Dibromo-3-Chloropropane	U		0.00118	0.00564	1	04/01/2018 23:59	WG1092317
1,2-Dibromoethane	U		0.000387	0.00113	1	04/01/2018 23:59	WG1092317
Dibromomethane	U		0.000431	0.00113	1	04/01/2018 23:59	WG1092317
1,2-Dichlorobenzene	U		0.000344	0.00113	1	04/01/2018 23:59	WG1092317
1,3-Dichlorobenzene	U		0.000269	0.00113	1	04/01/2018 23:59	WG1092317
1,4-Dichlorobenzene	U		0.000255	0.00113	1	04/01/2018 23:59	WG1092317
Dichlorodifluoromethane	U		0.000804	0.00564	1	04/01/2018 23:59	WG1092317
1,1-Dichloroethane	U		0.000224	0.00113	1	04/01/2018 23:59	WG1092317
1,2-Dichloroethane	U		0.000299	0.00113	1	04/01/2018 23:59	WG1092317
1,1-Dichloroethene	U		0.000341	0.00113	1	04/01/2018 23:59	WG1092317
cis-1,2-Dichloroethene	0.000841	J	0.000265	0.00113	1	04/01/2018 23:59	WG1092317
trans-1,2-Dichloroethene	U		0.000298	0.00113	1	04/01/2018 23:59	WG1092317
1,2-Dichloropropane	U		0.000403	0.00113	1	04/01/2018 23:59	WG1092317
1,1-Dichloropropene	U		0.000357	0.00113	1	04/01/2018 23:59	WG1092317
1,3-Dichloropropane	U		0.000233	0.00113	1	04/01/2018 23:59	WG1092317
cis-1,3-Dichloropropene	U		0.000295	0.00113	1	04/01/2018 23:59	WG1092317
trans-1,3-Dichloropropene	U		0.000301	0.00113	1	04/01/2018 23:59	WG1092317
trans-1,4-Dichloro-2-butene	U	J0	0.000877	0.00282	1	04/01/2018 23:59	WG1092317
2,2-Dichloropropane	U		0.000314	0.00113	1	04/01/2018 23:59	WG1092317
Di-isopropyl ether	U	J0	0.000280	0.00113	1	04/01/2018 23:59	WG1092317
Ethylbenzene	U		0.000335	0.00113	1	04/01/2018 23:59	WG1092317
Hexachloro-1,3-butadiene	U		0.000385	0.00113	1	04/01/2018 23:59	WG1092317
2-Hexanone	U		0.00154	0.0113	1	04/01/2018 23:59	WG1092317
n-Hexane	U		0.000327	0.0113	1	04/01/2018 23:59	WG1092317
Iodomethane	U		0.00285	0.0113	1	04/01/2018 23:59	WG1092317
Isopropylbenzene	U		0.000274	0.00113	1	04/01/2018 23:59	WG1092317
p-Isopropyltoluene	U		0.000230	0.00113	1	04/01/2018 23:59	WG1092317
2-Butanone (MEK)	U	J0	0.00527	0.0113	1	04/01/2018 23:59	WG1092317
Methylene Chloride	U		0.00113	0.00564	1	04/01/2018 23:59	WG1092317
4-Methyl-2-pentanone (MIBK)	U		0.00212	0.0113	1	04/01/2018 23:59	WG1092317

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000239	0.00113	1	04/01/2018 23:59	WG1092317
Naphthalene	U		0.00113	0.00564	1	04/01/2018 23:59	WG1092317
n-Propylbenzene	U		0.000232	0.00113	1	04/01/2018 23:59	WG1092317
Styrene	U		0.000264	0.00113	1	04/01/2018 23:59	WG1092317
1,1,1,2-Tetrachloroethane	U		0.000298	0.00113	1	04/01/2018 23:59	WG1092317
1,1,2,2-Tetrachloroethane	U		0.000411	0.00113	1	04/01/2018 23:59	WG1092317
1,1,2-Trichlorotrifluoroethane	U		0.000411	0.00113	1	04/01/2018 23:59	WG1092317
Tetrachloroethene	U		0.000311	0.00113	1	04/01/2018 23:59	WG1092317
Toluene	U		0.000489	0.00564	1	04/01/2018 23:59	WG1092317
1,2,3-Trichlorobenzene	U	J4	0.000345	0.00113	1	04/01/2018 23:59	WG1092317
1,2,4-Trichlorobenzene	U	J4	0.000437	0.00113	1	04/01/2018 23:59	WG1092317
1,1,1-Trichloroethane	U		0.000322	0.00113	1	04/01/2018 23:59	WG1092317
1,1,2-Trichloroethane	U		0.000312	0.00113	1	04/01/2018 23:59	WG1092317
Trichloroethene	U		0.000314	0.00113	1	04/01/2018 23:59	WG1092317
Trichlorofluoromethane	U		0.000431	0.00564	1	04/01/2018 23:59	WG1092317
1,2,3-Trichloropropane	U		0.000835	0.00282	1	04/01/2018 23:59	WG1092317
1,2,4-Trimethylbenzene	U		0.000238	0.00113	1	04/01/2018 23:59	WG1092317
1,2,3-Trimethylbenzene	U		0.000323	0.00113	1	04/01/2018 23:59	WG1092317
1,3,5-Trimethylbenzene	U		0.000300	0.00113	1	04/01/2018 23:59	WG1092317
Vinyl acetate	U	J0	0.00269	0.0113	1	04/01/2018 23:59	WG1092317
Vinyl chloride	0.000623	J	0.000328	0.00113	1	04/01/2018 23:59	WG1092317
Xylenes, Total	U		0.000787	0.00338	1	04/01/2018 23:59	WG1092317
(S) Toluene-d8	*108*			*80.0-120*		*04/01/2018 23:59*	WG1092317
(S) Dibromofluoromethane	*98.9*			*74.0-131*		*04/01/2018 23:59*	WG1092317
(S) 4-Bromofluorobenzene	*91.7*			*64.0-132*		*04/01/2018 23:59*	WG1092317

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	86.3		1	04/04/2018 13:45	WG1093168

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U	J0	0.0116	0.0579	1	04/02/2018 00:18	WG1092317
Acrylonitrile	U		0.00207	0.0116	1	04/02/2018 00:18	WG1092317
Benzene	U		0.000313	0.00116	1	04/02/2018 00:18	WG1092317
Bromobenzene	U		0.000329	0.00116	1	04/02/2018 00:18	WG1092317
Bromodichloromethane	U		0.000294	0.00116	1	04/02/2018 00:18	WG1092317
Bromochloromethane	U		0.000452	0.00579	1	04/02/2018 00:18	WG1092317
Bromoform	U	J0	0.000491	0.00116	1	04/02/2018 00:18	WG1092317
Bromomethane	U		0.00155	0.00579	1	04/02/2018 00:18	WG1092317
n-Butylbenzene	U		0.000299	0.00116	1	04/02/2018 00:18	WG1092317
sec-Butylbenzene	U		0.000233	0.00116	1	04/02/2018 00:18	WG1092317
tert-Butylbenzene	U		0.000239	0.00116	1	04/02/2018 00:18	WG1092317
Carbon disulfide	U		0.000256	0.00116	1	04/02/2018 00:18	WG1092317
Carbon tetrachloride	U		0.000380	0.00116	1	04/02/2018 00:18	WG1092317
Chlorobenzene	U		0.000246	0.00116	1	04/02/2018 00:18	WG1092317
Chlorodibromomethane	U		0.000432	0.00116	1	04/02/2018 00:18	WG1092317
Chloroethane	U		0.00110	0.00579	1	04/02/2018 00:18	WG1092317
Chloroform	U		0.000265	0.00579	1	04/02/2018 00:18	WG1092317
Chloromethane	U		0.000434	0.00290	1	04/02/2018 00:18	WG1092317
2-Chlorotoluene	U		0.000349	0.00116	1	04/02/2018 00:18	WG1092317
4-Chlorotoluene	U		0.000278	0.00116	1	04/02/2018 00:18	WG1092317
1,2-Dibromo-3-Chloropropane	U		0.00122	0.00579	1	04/02/2018 00:18	WG1092317
1,2-Dibromoethane	U		0.000397	0.00116	1	04/02/2018 00:18	WG1092317
Dibromomethane	U		0.000443	0.00116	1	04/02/2018 00:18	WG1092317
1,2-Dichlorobenzene	U		0.000353	0.00116	1	04/02/2018 00:18	WG1092317
1,3-Dichlorobenzene	U		0.000277	0.00116	1	04/02/2018 00:18	WG1092317
1,4-Dichlorobenzene	U		0.000262	0.00116	1	04/02/2018 00:18	WG1092317
Dichlorodifluoromethane	U		0.000826	0.00579	1	04/02/2018 00:18	WG1092317
1,1-Dichloroethane	U		0.000231	0.00116	1	04/02/2018 00:18	WG1092317
1,2-Dichloroethane	U		0.000307	0.00116	1	04/02/2018 00:18	WG1092317
1,1-Dichloroethene	U		0.000351	0.00116	1	04/02/2018 00:18	WG1092317
cis-1,2-Dichloroethene	0.000946	J	0.000272	0.00116	1	04/02/2018 00:18	WG1092317
trans-1,2-Dichloroethene	U		0.000306	0.00116	1	04/02/2018 00:18	WG1092317
1,2-Dichloropropane	U		0.000415	0.00116	1	04/02/2018 00:18	WG1092317
1,1-Dichloropropene	U		0.000367	0.00116	1	04/02/2018 00:18	WG1092317
1,3-Dichloropropane	U		0.000240	0.00116	1	04/02/2018 00:18	WG1092317
cis-1,3-Dichloropropene	U		0.000304	0.00116	1	04/02/2018 00:18	WG1092317
trans-1,3-Dichloropropene	U		0.000309	0.00116	1	04/02/2018 00:18	WG1092317
trans-1,4-Dichloro-2-butene	U	J0	0.000901	0.00290	1	04/02/2018 00:18	WG1092317
2,2-Dichloropropane	U		0.000323	0.00116	1	04/02/2018 00:18	WG1092317
Di-isopropyl ether	U	J0	0.000287	0.00116	1	04/02/2018 00:18	WG1092317
Ethylbenzene	U		0.000344	0.00116	1	04/02/2018 00:18	WG1092317
Hexachloro-1,3-butadiene	U		0.000396	0.00116	1	04/02/2018 00:18	WG1092317
2-Hexanone	U		0.00159	0.0116	1	04/02/2018 00:18	WG1092317
n-Hexane	0.000873	J	0.000336	0.0116	1	04/02/2018 00:18	WG1092317
Iodomethane	U		0.00293	0.0116	1	04/02/2018 00:18	WG1092317
Isopropylbenzene	U		0.000282	0.00116	1	04/02/2018 00:18	WG1092317
p-Isopropyltoluene	U		0.000236	0.00116	1	04/02/2018 00:18	WG1092317
2-Butanone (MEK)	U	J0	0.00542	0.0116	1	04/02/2018 00:18	WG1092317
Methylene Chloride	U		0.00116	0.00579	1	04/02/2018 00:18	WG1092317
4-Methyl-2-pentanone (MIBK)	U		0.00218	0.0116	1	04/02/2018 00:18	WG1092317

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000246	0.00116	1	04/02/2018 00:18	WG1092317
Naphthalene	U		0.00116	0.00579	1	04/02/2018 00:18	WG1092317
n-Propylbenzene	U		0.000239	0.00116	1	04/02/2018 00:18	WG1092317
Styrene	U		0.000271	0.00116	1	04/02/2018 00:18	WG1092317
1,1,1,2-Tetrachloroethane	U		0.000306	0.00116	1	04/02/2018 00:18	WG1092317
1,1,2,2-Tetrachloroethane	U		0.000423	0.00116	1	04/02/2018 00:18	WG1092317
1,1,2-Trichlorotrifluoroethane	U		0.000423	0.00116	1	04/02/2018 00:18	WG1092317
Tetrachloroethene	U		0.000320	0.00116	1	04/02/2018 00:18	WG1092317
Toluene	U		0.000503	0.00579	1	04/02/2018 00:18	WG1092317
1,2,3-Trichlorobenzene	U	J4	0.000355	0.00116	1	04/02/2018 00:18	WG1092317
1,2,4-Trichlorobenzene	U	J4	0.000450	0.00116	1	04/02/2018 00:18	WG1092317
1,1,1-Trichloroethane	U		0.000331	0.00116	1	04/02/2018 00:18	WG1092317
1,1,2-Trichloroethane	U		0.000321	0.00116	1	04/02/2018 00:18	WG1092317
Trichloroethene	U		0.000323	0.00116	1	04/02/2018 00:18	WG1092317
Trichlorofluoromethane	U		0.000443	0.00579	1	04/02/2018 00:18	WG1092317
1,2,3-Trichloropropane	U		0.000858	0.00290	1	04/02/2018 00:18	WG1092317
1,2,4-Trimethylbenzene	U		0.000244	0.00116	1	04/02/2018 00:18	WG1092317
1,2,3-Trimethylbenzene	U		0.000333	0.00116	1	04/02/2018 00:18	WG1092317
1,3,5-Trimethylbenzene	U		0.000308	0.00116	1	04/02/2018 00:18	WG1092317
Vinyl acetate	U	J0	0.00277	0.0116	1	04/02/2018 00:18	WG1092317
Vinyl chloride	0.000863	J	0.000337	0.00116	1	04/02/2018 00:18	WG1092317
Xylenes, Total	U		0.000809	0.00348	1	04/02/2018 00:18	WG1092317
(S) Toluene-d8	*106*			*80.0-120*		*04/02/2018 00:18*	WG1092317
(S) Dibromofluoromethane	*103*			*74.0-131*		*04/02/2018 00:18*	WG1092317
(S) 4-Bromofluorobenzene	*87.2*			*64.0-132*		*04/02/2018 00:18*	WG1092317

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch
Analyte	%			date / time	
Total Solids	88.2		1	04/04/2018 13:45	WG1093168

Volatile Organic Compounds (GC/MS) by Method 8260C

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J0	0.0113	0.0567	1	04/02/2018 00:38	WG1092317
Acrylonitrile	U		0.00203	0.0113	1	04/02/2018 00:38	WG1092317
Benzene	U		0.000306	0.00113	1	04/02/2018 00:38	WG1092317
Bromobenzene	U		0.000322	0.00113	1	04/02/2018 00:38	WG1092317
Bromodichloromethane	U		0.000288	0.00113	1	04/02/2018 00:38	WG1092317
Bromochloromethane	U		0.000442	0.00567	1	04/02/2018 00:38	WG1092317
Bromoform	U	J0	0.000481	0.00113	1	04/02/2018 00:38	WG1092317
Bromomethane	U		0.00152	0.00567	1	04/02/2018 00:38	WG1092317
n-Butylbenzene	U		0.000293	0.00113	1	04/02/2018 00:38	WG1092317
sec-Butylbenzene	U		0.000228	0.00113	1	04/02/2018 00:38	WG1092317
tert-Butylbenzene	U		0.000234	0.00113	1	04/02/2018 00:38	WG1092317
Carbon disulfide	U		0.000251	0.00113	1	04/02/2018 00:38	WG1092317
Carbon tetrachloride	U		0.000372	0.00113	1	04/02/2018 00:38	WG1092317
Chlorobenzene	U		0.000240	0.00113	1	04/02/2018 00:38	WG1092317
Chlorodibromomethane	U		0.000423	0.00113	1	04/02/2018 00:38	WG1092317
Chloroethane	U		0.00107	0.00567	1	04/02/2018 00:38	WG1092317
Chloroform	U		0.000260	0.00567	1	04/02/2018 00:38	WG1092317
Chloromethane	U		0.000425	0.00284	1	04/02/2018 00:38	WG1092317
2-Chlorotoluene	U		0.000341	0.00113	1	04/02/2018 00:38	WG1092317
4-Chlorotoluene	U		0.000272	0.00113	1	04/02/2018 00:38	WG1092317
1,2-Dibromo-3-Chloropropane	U		0.00119	0.00567	1	04/02/2018 00:38	WG1092317
1,2-Dibromoethane	U		0.000389	0.00113	1	04/02/2018 00:38	WG1092317
Dibromomethane	U		0.000433	0.00113	1	04/02/2018 00:38	WG1092317
1,2-Dichlorobenzene	U		0.000346	0.00113	1	04/02/2018 00:38	WG1092317
1,3-Dichlorobenzene	U		0.000271	0.00113	1	04/02/2018 00:38	WG1092317
1,4-Dichlorobenzene	U		0.000256	0.00113	1	04/02/2018 00:38	WG1092317
Dichlorodifluoromethane	U		0.000809	0.00567	1	04/02/2018 00:38	WG1092317
1,1-Dichloroethane	U		0.000226	0.00113	1	04/02/2018 00:38	WG1092317
1,2-Dichloroethane	U		0.000301	0.00113	1	04/02/2018 00:38	WG1092317
1,1-Dichloroethene	U		0.000344	0.00113	1	04/02/2018 00:38	WG1092317
cis-1,2-Dichloroethene	U		0.000266	0.00113	1	04/02/2018 00:38	WG1092317
trans-1,2-Dichloroethene	U		0.000299	0.00113	1	04/02/2018 00:38	WG1092317
1,2-Dichloropropane	U		0.000406	0.00113	1	04/02/2018 00:38	WG1092317
1,1-Dichloropropene	U		0.000359	0.00113	1	04/02/2018 00:38	WG1092317
1,3-Dichloropropane	U		0.000235	0.00113	1	04/02/2018 00:38	WG1092317
cis-1,3-Dichloropropene	U		0.000297	0.00113	1	04/02/2018 00:38	WG1092317
trans-1,3-Dichloropropene	U		0.000303	0.00113	1	04/02/2018 00:38	WG1092317
trans-1,4-Dichloro-2-butene	U	J0	0.000882	0.00284	1	04/02/2018 00:38	WG1092317
2,2-Dichloropropane	U		0.000316	0.00113	1	04/02/2018 00:38	WG1092317
Di-isopropyl ether	U	J0	0.000281	0.00113	1	04/02/2018 00:38	WG1092317
Ethylbenzene	U		0.000337	0.00113	1	04/02/2018 00:38	WG1092317
Hexachloro-1,3-butadiene	U		0.000388	0.00113	1	04/02/2018 00:38	WG1092317
2-Hexanone	U		0.00155	0.0113	1	04/02/2018 00:38	WG1092317
n-Hexane	U		0.000329	0.0113	1	04/02/2018 00:38	WG1092317
Iodomethane	U		0.00287	0.0113	1	04/02/2018 00:38	WG1092317
Isopropylbenzene	U		0.000276	0.00113	1	04/02/2018 00:38	WG1092317
p-Isopropyltoluene	U		0.000231	0.00113	1	04/02/2018 00:38	WG1092317
2-Butanone (MEK)	U	J0	0.00531	0.0113	1	04/02/2018 00:38	WG1092317
Methylene Chloride	U		0.00113	0.00567	1	04/02/2018 00:38	WG1092317
4-Methyl-2-pentanone (MIBK)	U		0.00213	0.0113	1	04/02/2018 00:38	WG1092317

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000240	0.00113	1	04/02/2018 00:38	WG1092317
Naphthalene	U		0.00113	0.00567	1	04/02/2018 00:38	WG1092317
n-Propylbenzene	U		0.000234	0.00113	1	04/02/2018 00:38	WG1092317
Styrene	U		0.000265	0.00113	1	04/02/2018 00:38	WG1092317
1,1,1,2-Tetrachloroethane	U		0.000299	0.00113	1	04/02/2018 00:38	WG1092317
1,1,2,2-Tetrachloroethane	U		0.000414	0.00113	1	04/02/2018 00:38	WG1092317
1,1,2-Trichlorotrifluoroethane	U		0.000414	0.00113	1	04/02/2018 00:38	WG1092317
Tetrachloroethene	U		0.000313	0.00113	1	04/02/2018 00:38	WG1092317
Toluene	U		0.000492	0.00567	1	04/02/2018 00:38	WG1092317
1,2,3-Trichlorobenzene	U	J4	0.000347	0.00113	1	04/02/2018 00:38	WG1092317
1,2,4-Trichlorobenzene	U	J4	0.000440	0.00113	1	04/02/2018 00:38	WG1092317
1,1,1-Trichloroethane	U		0.000324	0.00113	1	04/02/2018 00:38	WG1092317
1,1,2-Trichloroethane	U		0.000314	0.00113	1	04/02/2018 00:38	WG1092317
Trichloroethene	U		0.000316	0.00113	1	04/02/2018 00:38	WG1092317
Trichlorofluoromethane	U		0.000433	0.00567	1	04/02/2018 00:38	WG1092317
1,2,3-Trichloropropane	U		0.000840	0.00284	1	04/02/2018 00:38	WG1092317
1,2,4-Trimethylbenzene	U		0.000239	0.00113	1	04/02/2018 00:38	WG1092317
1,2,3-Trimethylbenzene	U		0.000325	0.00113	1	04/02/2018 00:38	WG1092317
1,3,5-Trimethylbenzene	U		0.000302	0.00113	1	04/02/2018 00:38	WG1092317
Vinyl acetate	U	J0	0.00271	0.0113	1	04/02/2018 00:38	WG1092317
Vinyl chloride	U		0.000330	0.00113	1	04/02/2018 00:38	WG1092317
Xylenes, Total	U		0.000792	0.00340	1	04/02/2018 00:38	WG1092317
(S) Toluene-d8	*105*			*80.0-120*		*04/02/2018 00:38*	WG1092317
(S) Dibromofluoromethane	*102*			*74.0-131*		*04/02/2018 00:38*	WG1092317
(S) 4-Bromofluorobenzene	*89.1*			*64.0-132*		*04/02/2018 00:38*	WG1092317

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	91.4		1	04/04/2018 13:45	WG1093168

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U	J0	0.0109	0.0547	1	04/02/2018 00:58	WG1092317
Acrylonitrile	U		0.00196	0.0109	1	04/02/2018 00:58	WG1092317
Benzene	U		0.000296	0.00109	1	04/02/2018 00:58	WG1092317
Bromobenzene	U		0.000311	0.00109	1	04/02/2018 00:58	WG1092317
Bromodichloromethane	U		0.000278	0.00109	1	04/02/2018 00:58	WG1092317
Bromochloromethane	U		0.000427	0.00547	1	04/02/2018 00:58	WG1092317
Bromoform	U	J0	0.000464	0.00109	1	04/02/2018 00:58	WG1092317
Bromomethane	U		0.00147	0.00547	1	04/02/2018 00:58	WG1092317
n-Butylbenzene	U		0.000282	0.00109	1	04/02/2018 00:58	WG1092317
sec-Butylbenzene	U		0.000220	0.00109	1	04/02/2018 00:58	WG1092317
tert-Butylbenzene	U		0.000225	0.00109	1	04/02/2018 00:58	WG1092317
Carbon disulfide	U		0.000242	0.00109	1	04/02/2018 00:58	WG1092317
Carbon tetrachloride	U		0.000359	0.00109	1	04/02/2018 00:58	WG1092317
Chlorobenzene	U		0.000232	0.00109	1	04/02/2018 00:58	WG1092317
Chlorodibromomethane	U		0.000408	0.00109	1	04/02/2018 00:58	WG1092317
Chloroethane	U		0.00104	0.00547	1	04/02/2018 00:58	WG1092317
Chloroform	U		0.000251	0.00547	1	04/02/2018 00:58	WG1092317
Chloromethane	U		0.000410	0.00274	1	04/02/2018 00:58	WG1092317
2-Chlorotoluene	U		0.000329	0.00109	1	04/02/2018 00:58	WG1092317
4-Chlorotoluene	U		0.000263	0.00109	1	04/02/2018 00:58	WG1092317
1,2-Dibromo-3-Chloropropane	U		0.00115	0.00547	1	04/02/2018 00:58	WG1092317
1,2-Dibromoethane	U		0.000375	0.00109	1	04/02/2018 00:58	WG1092317
Dibromomethane	U		0.000418	0.00109	1	04/02/2018 00:58	WG1092317
1,2-Dichlorobenzene	U		0.000334	0.00109	1	04/02/2018 00:58	WG1092317
1,3-Dichlorobenzene	U		0.000262	0.00109	1	04/02/2018 00:58	WG1092317
1,4-Dichlorobenzene	U		0.000247	0.00109	1	04/02/2018 00:58	WG1092317
Dichlorodifluoromethane	U		0.000780	0.00547	1	04/02/2018 00:58	WG1092317
1,1-Dichloroethane	U		0.000218	0.00109	1	04/02/2018 00:58	WG1092317
1,2-Dichloroethane	U		0.000290	0.00109	1	04/02/2018 00:58	WG1092317
1,1-Dichloroethene	U		0.000332	0.00109	1	04/02/2018 00:58	WG1092317
cis-1,2-Dichloroethene	U		0.000257	0.00109	1	04/02/2018 00:58	WG1092317
trans-1,2-Dichloroethene	U		0.000289	0.00109	1	04/02/2018 00:58	WG1092317
1,2-Dichloropropane	U		0.000392	0.00109	1	04/02/2018 00:58	WG1092317
1,1-Dichloropropene	U		0.000347	0.00109	1	04/02/2018 00:58	WG1092317
1,3-Dichloropropane	U		0.000227	0.00109	1	04/02/2018 00:58	WG1092317
cis-1,3-Dichloropropene	U		0.000287	0.00109	1	04/02/2018 00:58	WG1092317
trans-1,3-Dichloropropene	U		0.000292	0.00109	1	04/02/2018 00:58	WG1092317
trans-1,4-Dichloro-2-butene	U	J0	0.000852	0.00274	1	04/02/2018 00:58	WG1092317
2,2-Dichloropropane	U		0.000305	0.00109	1	04/02/2018 00:58	WG1092317
Di-isopropyl ether	U	J0	0.000271	0.00109	1	04/02/2018 00:58	WG1092317
Ethylbenzene	U		0.000325	0.00109	1	04/02/2018 00:58	WG1092317
Hexachloro-1,3-butadiene	U		0.000374	0.00109	1	04/02/2018 00:58	WG1092317
2-Hexanone	U		0.00150	0.0109	1	04/02/2018 00:58	WG1092317
n-Hexane	U		0.000317	0.0109	1	04/02/2018 00:58	WG1092317
Iodomethane	U		0.00277	0.0109	1	04/02/2018 00:58	WG1092317
Isopropylbenzene	U		0.000266	0.00109	1	04/02/2018 00:58	WG1092317
p-Isopropyltoluene	U		0.000223	0.00109	1	04/02/2018 00:58	WG1092317
2-Butanone (MEK)	U	J0	0.00512	0.0109	1	04/02/2018 00:58	WG1092317
Methylene Chloride	U		0.00109	0.00547	1	04/02/2018 00:58	WG1092317
4-Methyl-2-pentanone (MIBK)	U		0.00206	0.0109	1	04/02/2018 00:58	WG1092317

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000232	0.00109	1	04/02/2018 00:58	WG1092317
Naphthalene	U		0.00109	0.00547	1	04/02/2018 00:58	WG1092317
n-Propylbenzene	U		0.000225	0.00109	1	04/02/2018 00:58	WG1092317
Styrene	U		0.000256	0.00109	1	04/02/2018 00:58	WG1092317
1,1,1,2-Tetrachloroethane	U		0.000289	0.00109	1	04/02/2018 00:58	WG1092317
1,1,2,2-Tetrachloroethane	U		0.000399	0.00109	1	04/02/2018 00:58	WG1092317
1,1,2-Trichlorotrifluoroethane	U		0.000399	0.00109	1	04/02/2018 00:58	WG1092317
Tetrachloroethene	0.000561	J	0.000302	0.00109	1	04/02/2018 00:58	WG1092317
Toluene	U		0.000475	0.00547	1	04/02/2018 00:58	WG1092317
1,2,3-Trichlorobenzene	U	J4	0.000335	0.00109	1	04/02/2018 00:58	WG1092317
1,2,4-Trichlorobenzene	U	J4	0.000425	0.00109	1	04/02/2018 00:58	WG1092317
1,1,1-Trichloroethane	U		0.000313	0.00109	1	04/02/2018 00:58	WG1092317
1,1,2-Trichloroethane	U		0.000303	0.00109	1	04/02/2018 00:58	WG1092317
Trichloroethene	U		0.000305	0.00109	1	04/02/2018 00:58	WG1092317
Trichlorofluoromethane	U		0.000418	0.00547	1	04/02/2018 00:58	WG1092317
1,2,3-Trichloropropane	U		0.000811	0.00274	1	04/02/2018 00:58	WG1092317
1,2,4-Trimethylbenzene	U		0.000231	0.00109	1	04/02/2018 00:58	WG1092317
1,2,3-Trimethylbenzene	U		0.000314	0.00109	1	04/02/2018 00:58	WG1092317
1,3,5-Trimethylbenzene	U		0.000291	0.00109	1	04/02/2018 00:58	WG1092317
Vinyl acetate	U	J0	0.00262	0.0109	1	04/02/2018 00:58	WG1092317
Vinyl chloride	U		0.000318	0.00109	1	04/02/2018 00:58	WG1092317
Xylenes, Total	U		0.000764	0.00328	1	04/02/2018 00:58	WG1092317
(S) Toluene-d8	*105*			*80.0-120*		*04/02/2018 00:58*	WG1092317
(S) Dibromofluoromethane	*101*			*74.0-131*		*04/02/2018 00:58*	WG1092317
(S) 4-Bromofluorobenzene	*87.2*			*64.0-132*		*04/02/2018 00:58*	WG1092317

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	93.2		1	04/04/2018 13:45	WG1093168

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U	J0	0.0107	0.0536	1	04/02/2018 01:17	WG1092317
Acrylonitrile	U		0.00192	0.0107	1	04/02/2018 01:17	WG1092317
Benzene	U		0.000290	0.00107	1	04/02/2018 01:17	WG1092317
Bromobenzene	U		0.000305	0.00107	1	04/02/2018 01:17	WG1092317
Bromodichloromethane	U		0.000272	0.00107	1	04/02/2018 01:17	WG1092317
Bromochloromethane	U		0.000418	0.00536	1	04/02/2018 01:17	WG1092317
Bromoform	U	J0	0.000455	0.00107	1	04/02/2018 01:17	WG1092317
Bromomethane	U		0.00144	0.00536	1	04/02/2018 01:17	WG1092317
n-Butylbenzene	U		0.000277	0.00107	1	04/02/2018 01:17	WG1092317
sec-Butylbenzene	U		0.000216	0.00107	1	04/02/2018 01:17	WG1092317
tert-Butylbenzene	U		0.000221	0.00107	1	04/02/2018 01:17	WG1092317
Carbon disulfide	U		0.000237	0.00107	1	04/02/2018 01:17	WG1092317
Carbon tetrachloride	U		0.000352	0.00107	1	04/02/2018 01:17	WG1092317
Chlorobenzene	U		0.000227	0.00107	1	04/02/2018 01:17	WG1092317
Chlorodibromomethane	U		0.000400	0.00107	1	04/02/2018 01:17	WG1092317
Chloroethane	U		0.00101	0.00536	1	04/02/2018 01:17	WG1092317
Chloroform	U		0.000246	0.00536	1	04/02/2018 01:17	WG1092317
Chloromethane	U		0.000402	0.00268	1	04/02/2018 01:17	WG1092317
2-Chlorotoluene	U		0.000323	0.00107	1	04/02/2018 01:17	WG1092317
4-Chlorotoluene	U		0.000257	0.00107	1	04/02/2018 01:17	WG1092317
1,2-Dibromo-3-Chloropropane	U		0.00113	0.00536	1	04/02/2018 01:17	WG1092317
1,2-Dibromoethane	U		0.000368	0.00107	1	04/02/2018 01:17	WG1092317
Dibromomethane	U		0.000410	0.00107	1	04/02/2018 01:17	WG1092317
1,2-Dichlorobenzene	U		0.000327	0.00107	1	04/02/2018 01:17	WG1092317
1,3-Dichlorobenzene	U		0.000256	0.00107	1	04/02/2018 01:17	WG1092317
1,4-Dichlorobenzene	U		0.000242	0.00107	1	04/02/2018 01:17	WG1092317
Dichlorodifluoromethane	U		0.000765	0.00536	1	04/02/2018 01:17	WG1092317
1,1-Dichloroethane	U		0.000213	0.00107	1	04/02/2018 01:17	WG1092317
1,2-Dichloroethane	U		0.000284	0.00107	1	04/02/2018 01:17	WG1092317
1,1-Dichloroethene	U		0.000325	0.00107	1	04/02/2018 01:17	WG1092317
cis-1,2-Dichloroethene	U		0.000252	0.00107	1	04/02/2018 01:17	WG1092317
trans-1,2-Dichloroethene	U		0.000283	0.00107	1	04/02/2018 01:17	WG1092317
1,2-Dichloropropane	U		0.000384	0.00107	1	04/02/2018 01:17	WG1092317
1,1-Dichloropropene	U		0.000340	0.00107	1	04/02/2018 01:17	WG1092317
1,3-Dichloropropane	U		0.000222	0.00107	1	04/02/2018 01:17	WG1092317
cis-1,3-Dichloropropene	U		0.000281	0.00107	1	04/02/2018 01:17	WG1092317
trans-1,3-Dichloropropene	U		0.000286	0.00107	1	04/02/2018 01:17	WG1092317
trans-1,4-Dichloro-2-butene	U	J0	0.000835	0.00268	1	04/02/2018 01:17	WG1092317
2,2-Dichloropropane	U		0.000299	0.00107	1	04/02/2018 01:17	WG1092317
Di-isopropyl ether	U	J0	0.000266	0.00107	1	04/02/2018 01:17	WG1092317
Ethylbenzene	U		0.000319	0.00107	1	04/02/2018 01:17	WG1092317
Hexachloro-1,3-butadiene	U		0.000367	0.00107	1	04/02/2018 01:17	WG1092317
2-Hexanone	U		0.00147	0.0107	1	04/02/2018 01:17	WG1092317
n-Hexane	U		0.000311	0.0107	1	04/02/2018 01:17	WG1092317
Iodomethane	U		0.00271	0.0107	1	04/02/2018 01:17	WG1092317
Isopropylbenzene	U		0.000261	0.00107	1	04/02/2018 01:17	WG1092317
p-Isopropyltoluene	U		0.000219	0.00107	1	04/02/2018 01:17	WG1092317
2-Butanone (MEK)	U	J0	0.00502	0.0107	1	04/02/2018 01:17	WG1092317
Methylene Chloride	U		0.00107	0.00536	1	04/02/2018 01:17	WG1092317
4-Methyl-2-pentanone (MIBK)	U		0.00202	0.0107	1	04/02/2018 01:17	WG1092317

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000227	0.00107	1	04/02/2018 01:17	WG1092317
Naphthalene	U		0.00107	0.00536	1	04/02/2018 01:17	WG1092317
n-Propylbenzene	U		0.000221	0.00107	1	04/02/2018 01:17	WG1092317
Styrene	U		0.000251	0.00107	1	04/02/2018 01:17	WG1092317
1,1,1,2-Tetrachloroethane	U		0.000283	0.00107	1	04/02/2018 01:17	WG1092317
1,1,2,2-Tetrachloroethane	U		0.000392	0.00107	1	04/02/2018 01:17	WG1092317
1,1,2-Trichlorotrifluoroethane	U		0.000392	0.00107	1	04/02/2018 01:17	WG1092317
Tetrachloroethene	U		0.000296	0.00107	1	04/02/2018 01:17	WG1092317
Toluene	U		0.000466	0.00536	1	04/02/2018 01:17	WG1092317
1,2,3-Trichlorobenzene	U	J4	0.000328	0.00107	1	04/02/2018 01:17	WG1092317
1,2,4-Trichlorobenzene	U	J4	0.000416	0.00107	1	04/02/2018 01:17	WG1092317
1,1,1-Trichloroethane	U		0.000307	0.00107	1	04/02/2018 01:17	WG1092317
1,1,2-Trichloroethane	U		0.000297	0.00107	1	04/02/2018 01:17	WG1092317
Trichloroethene	U		0.000299	0.00107	1	04/02/2018 01:17	WG1092317
Trichlorofluoromethane	U		0.000410	0.00536	1	04/02/2018 01:17	WG1092317
1,2,3-Trichloropropane	U		0.000795	0.00268	1	04/02/2018 01:17	WG1092317
1,2,4-Trimethylbenzene	U		0.000226	0.00107	1	04/02/2018 01:17	WG1092317
1,2,3-Trimethylbenzene	U		0.000308	0.00107	1	04/02/2018 01:17	WG1092317
1,3,5-Trimethylbenzene	U		0.000285	0.00107	1	04/02/2018 01:17	WG1092317
Vinyl acetate	U	J0	0.00256	0.0107	1	04/02/2018 01:17	WG1092317
Vinyl chloride	U		0.000312	0.00107	1	04/02/2018 01:17	WG1092317
Xylenes, Total	U		0.000749	0.00322	1	04/02/2018 01:17	WG1092317
(S) Toluene-d8	*106*			*80.0-120*		*04/02/2018 01:17*	WG1092317
(S) Dibromofluoromethane	*101*			*74.0-131*		*04/02/2018 01:17*	WG1092317
(S) 4-Bromofluorobenzene	*90.4*			*64.0-132*		*04/02/2018 01:17*	WG1092317

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	88.3		1	04/04/2018 13:45	WG1093168

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U	J0	0.0113	0.0566	1	04/02/2018 01:37	WG1092317
Acrylonitrile	U		0.00203	0.0113	1	04/02/2018 01:37	WG1092317
Benzene	U		0.000306	0.00113	1	04/02/2018 01:37	WG1092317
Bromobenzene	U		0.000322	0.00113	1	04/02/2018 01:37	WG1092317
Bromodichloromethane	U		0.000288	0.00113	1	04/02/2018 01:37	WG1092317
Bromochloromethane	U		0.000442	0.00566	1	04/02/2018 01:37	WG1092317
Bromoform	U	J0	0.000480	0.00113	1	04/02/2018 01:37	WG1092317
Bromomethane	U		0.00152	0.00566	1	04/02/2018 01:37	WG1092317
n-Butylbenzene	U		0.000292	0.00113	1	04/02/2018 01:37	WG1092317
sec-Butylbenzene	U		0.000228	0.00113	1	04/02/2018 01:37	WG1092317
tert-Butylbenzene	U		0.000233	0.00113	1	04/02/2018 01:37	WG1092317
Carbon disulfide	0.000332	J	0.000250	0.00113	1	04/02/2018 01:37	WG1092317
Carbon tetrachloride	U		0.000372	0.00113	1	04/02/2018 01:37	WG1092317
Chlorobenzene	U		0.000240	0.00113	1	04/02/2018 01:37	WG1092317
Chlorodibromomethane	U		0.000423	0.00113	1	04/02/2018 01:37	WG1092317
Chloroethane	U		0.00107	0.00566	1	04/02/2018 01:37	WG1092317
Chloroform	U		0.000259	0.00566	1	04/02/2018 01:37	WG1092317
Chloromethane	U		0.000425	0.00283	1	04/02/2018 01:37	WG1092317
2-Chlorotoluene	U		0.000341	0.00113	1	04/02/2018 01:37	WG1092317
4-Chlorotoluene	U		0.000272	0.00113	1	04/02/2018 01:37	WG1092317
1,2-Dibromo-3-Chloropropane	U		0.00119	0.00566	1	04/02/2018 01:37	WG1092317
1,2-Dibromoethane	U		0.000389	0.00113	1	04/02/2018 01:37	WG1092317
Dibromomethane	U		0.000433	0.00113	1	04/02/2018 01:37	WG1092317
1,2-Dichlorobenzene	U		0.000346	0.00113	1	04/02/2018 01:37	WG1092317
1,3-Dichlorobenzene	U		0.000271	0.00113	1	04/02/2018 01:37	WG1092317
1,4-Dichlorobenzene	U		0.000256	0.00113	1	04/02/2018 01:37	WG1092317
Dichlorodifluoromethane	U		0.000808	0.00566	1	04/02/2018 01:37	WG1092317
1,1-Dichloroethane	U		0.000225	0.00113	1	04/02/2018 01:37	WG1092317
1,2-Dichloroethane	U		0.000300	0.00113	1	04/02/2018 01:37	WG1092317
1,1-Dichloroethene	U		0.000343	0.00113	1	04/02/2018 01:37	WG1092317
cis-1,2-Dichloroethene	0.00421		0.000266	0.00113	1	04/02/2018 01:37	WG1092317
trans-1,2-Dichloroethene	U		0.000299	0.00113	1	04/02/2018 01:37	WG1092317
1,2-Dichloropropane	U		0.000406	0.00113	1	04/02/2018 01:37	WG1092317
1,1-Dichloropropene	U		0.000359	0.00113	1	04/02/2018 01:37	WG1092317
1,3-Dichloropropane	U		0.000235	0.00113	1	04/02/2018 01:37	WG1092317
cis-1,3-Dichloropropene	U		0.000297	0.00113	1	04/02/2018 01:37	WG1092317
trans-1,3-Dichloropropene	U		0.000302	0.00113	1	04/02/2018 01:37	WG1092317
trans-1,4-Dichloro-2-butene	U	J0	0.000881	0.00283	1	04/02/2018 01:37	WG1092317
2,2-Dichloropropane	U		0.000316	0.00113	1	04/02/2018 01:37	WG1092317
Di-isopropyl ether	U	J0	0.000281	0.00113	1	04/02/2018 01:37	WG1092317
Ethylbenzene	U		0.000336	0.00113	1	04/02/2018 01:37	WG1092317
Hexachloro-1,3-butadiene	U		0.000387	0.00113	1	04/02/2018 01:37	WG1092317
2-Hexanone	U		0.00155	0.0113	1	04/02/2018 01:37	WG1092317
n-Hexane	U		0.000329	0.0113	1	04/02/2018 01:37	WG1092317
Iodomethane	U		0.00287	0.0113	1	04/02/2018 01:37	WG1092317
Isopropylbenzene	U		0.000275	0.00113	1	04/02/2018 01:37	WG1092317
p-Isopropyltoluene	U		0.000231	0.00113	1	04/02/2018 01:37	WG1092317
2-Butanone (MEK)	U	J0	0.00530	0.0113	1	04/02/2018 01:37	WG1092317
Methylene Chloride	U		0.00113	0.00566	1	04/02/2018 01:37	WG1092317
4-Methyl-2-pentanone (MIBK)	U		0.00213	0.0113	1	04/02/2018 01:37	WG1092317

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000240	0.00113	1	04/02/2018 01:37	WG1092317
Naphthalene	U		0.00113	0.00566	1	04/02/2018 01:37	WG1092317
n-Propylbenzene	U		0.000233	0.00113	1	04/02/2018 01:37	WG1092317
Styrene	U		0.000265	0.00113	1	04/02/2018 01:37	WG1092317
1,1,1,2-Tetrachloroethane	U		0.000299	0.00113	1	04/02/2018 01:37	WG1092317
1,1,2,2-Tetrachloroethane	U		0.000414	0.00113	1	04/02/2018 01:37	WG1092317
1,1,2-Trichlorotrifluoroethane	U		0.000414	0.00113	1	04/02/2018 01:37	WG1092317
Tetrachloroethene	U		0.000313	0.00113	1	04/02/2018 01:37	WG1092317
Toluene	U		0.000492	0.00566	1	04/02/2018 01:37	WG1092317
1,2,3-Trichlorobenzene	U	J4	0.000347	0.00113	1	04/02/2018 01:37	WG1092317
1,2,4-Trichlorobenzene	U	J4	0.000440	0.00113	1	04/02/2018 01:37	WG1092317
1,1,1-Trichloroethane	U		0.000324	0.00113	1	04/02/2018 01:37	WG1092317
1,1,2-Trichloroethane	U		0.000314	0.00113	1	04/02/2018 01:37	WG1092317
Trichloroethene	0.000486	J	0.000316	0.00113	1	04/02/2018 01:37	WG1092317
Trichlorofluoromethane	U		0.000433	0.00566	1	04/02/2018 01:37	WG1092317
1,2,3-Trichloropropane	U		0.000839	0.00283	1	04/02/2018 01:37	WG1092317
1,2,4-Trimethylbenzene	U		0.000239	0.00113	1	04/02/2018 01:37	WG1092317
1,2,3-Trimethylbenzene	U		0.000325	0.00113	1	04/02/2018 01:37	WG1092317
1,3,5-Trimethylbenzene	U		0.000301	0.00113	1	04/02/2018 01:37	WG1092317
Vinyl acetate	U	J0	0.00271	0.0113	1	04/02/2018 01:37	WG1092317
Vinyl chloride	U		0.000330	0.00113	1	04/02/2018 01:37	WG1092317
Xylenes, Total	U		0.000791	0.00340	1	04/02/2018 01:37	WG1092317
(S) Toluene-d8	*104*			*80.0-120*		*04/02/2018 01:37*	WG1092317
(S) Dibromofluoromethane	*101*			*74.0-131*		*04/02/2018 01:37*	WG1092317
(S) 4-Bromofluorobenzene	*89.1*			*64.0-132*		*04/02/2018 01:37*	WG1092317

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	90.2		1	04/04/2018 13:30	WG1093170

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U	J0	0.0111	0.0555	1	04/02/2018 01:57	WG1092317
Acrylonitrile	U		0.00199	0.0111	1	04/02/2018 01:57	WG1092317
Benzene	U		0.000299	0.00111	1	04/02/2018 01:57	WG1092317
Bromobenzene	U		0.000315	0.00111	1	04/02/2018 01:57	WG1092317
Bromodichloromethane	U		0.000282	0.00111	1	04/02/2018 01:57	WG1092317
Bromochloromethane	U		0.000433	0.00555	1	04/02/2018 01:57	WG1092317
Bromoform	U	J0	0.000470	0.00111	1	04/02/2018 01:57	WG1092317
Bromomethane	U		0.00149	0.00555	1	04/02/2018 01:57	WG1092317
n-Butylbenzene	U		0.000286	0.00111	1	04/02/2018 01:57	WG1092317
sec-Butylbenzene	U		0.000223	0.00111	1	04/02/2018 01:57	WG1092317
tert-Butylbenzene	U		0.000228	0.00111	1	04/02/2018 01:57	WG1092317
Carbon disulfide	U		0.000245	0.00111	1	04/02/2018 01:57	WG1092317
Carbon tetrachloride	U		0.000364	0.00111	1	04/02/2018 01:57	WG1092317
Chlorobenzene	U		0.000235	0.00111	1	04/02/2018 01:57	WG1092317
Chlorodibromomethane	U		0.000414	0.00111	1	04/02/2018 01:57	WG1092317
Chloroethane	U		0.00105	0.00555	1	04/02/2018 01:57	WG1092317
Chloroform	U		0.000254	0.00555	1	04/02/2018 01:57	WG1092317
Chloromethane	U		0.000416	0.00277	1	04/02/2018 01:57	WG1092317
2-Chlorotoluene	U		0.000334	0.00111	1	04/02/2018 01:57	WG1092317
4-Chlorotoluene	U		0.000266	0.00111	1	04/02/2018 01:57	WG1092317
1,2-Dibromo-3-Chloropropane	U		0.00116	0.00555	1	04/02/2018 01:57	WG1092317
1,2-Dibromoethane	U		0.000380	0.00111	1	04/02/2018 01:57	WG1092317
Dibromomethane	U		0.000424	0.00111	1	04/02/2018 01:57	WG1092317
1,2-Dichlorobenzene	U		0.000338	0.00111	1	04/02/2018 01:57	WG1092317
1,3-Dichlorobenzene	U		0.000265	0.00111	1	04/02/2018 01:57	WG1092317
1,4-Dichlorobenzene	U		0.000251	0.00111	1	04/02/2018 01:57	WG1092317
Dichlorodifluoromethane	U		0.000791	0.00555	1	04/02/2018 01:57	WG1092317
1,1-Dichloroethane	U		0.000221	0.00111	1	04/02/2018 01:57	WG1092317
1,2-Dichloroethane	U		0.000294	0.00111	1	04/02/2018 01:57	WG1092317
1,1-Dichloroethene	U		0.000336	0.00111	1	04/02/2018 01:57	WG1092317
cis-1,2-Dichloroethene	U		0.000261	0.00111	1	04/02/2018 01:57	WG1092317
trans-1,2-Dichloroethene	U		0.000293	0.00111	1	04/02/2018 01:57	WG1092317
1,2-Dichloropropane	U		0.000397	0.00111	1	04/02/2018 01:57	WG1092317
1,1-Dichloropropene	U		0.000352	0.00111	1	04/02/2018 01:57	WG1092317
1,3-Dichloropropane	U		0.000230	0.00111	1	04/02/2018 01:57	WG1092317
cis-1,3-Dichloropropene	U		0.000291	0.00111	1	04/02/2018 01:57	WG1092317
trans-1,3-Dichloropropene	U		0.000296	0.00111	1	04/02/2018 01:57	WG1092317
trans-1,4-Dichloro-2-butene	U	J0	0.000863	0.00277	1	04/02/2018 01:57	WG1092317
2,2-Dichloropropane	U		0.000309	0.00111	1	04/02/2018 01:57	WG1092317
Di-isopropyl ether	U	J0	0.000275	0.00111	1	04/02/2018 01:57	WG1092317
Ethylbenzene	U		0.000329	0.00111	1	04/02/2018 01:57	WG1092317
Hexachloro-1,3-butadiene	U		0.000379	0.00111	1	04/02/2018 01:57	WG1092317
2-Hexanone	U		0.00152	0.0111	1	04/02/2018 01:57	WG1092317
n-Hexane	U		0.000322	0.0111	1	04/02/2018 01:57	WG1092317
Iodomethane	U		0.00281	0.0111	1	04/02/2018 01:57	WG1092317
Isopropylbenzene	U		0.000270	0.00111	1	04/02/2018 01:57	WG1092317
p-Isopropyltoluene	U		0.000226	0.00111	1	04/02/2018 01:57	WG1092317
2-Butanone (MEK)	U	J0	0.00519	0.0111	1	04/02/2018 01:57	WG1092317
Methylene Chloride	U		0.00111	0.00555	1	04/02/2018 01:57	WG1092317
4-Methyl-2-pentanone (MIBK)	U		0.00209	0.0111	1	04/02/2018 01:57	WG1092317

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000235	0.00111	1	04/02/2018 01:57	WG1092317
Naphthalene	U		0.00111	0.00555	1	04/02/2018 01:57	WG1092317
n-Propylbenzene	U		0.000228	0.00111	1	04/02/2018 01:57	WG1092317
Styrene	U		0.000260	0.00111	1	04/02/2018 01:57	WG1092317
1,1,1,2-Tetrachloroethane	U		0.000293	0.00111	1	04/02/2018 01:57	WG1092317
1,1,2,2-Tetrachloroethane	U		0.000405	0.00111	1	04/02/2018 01:57	WG1092317
1,1,2-Trichlorotrifluoroethane	U		0.000405	0.00111	1	04/02/2018 01:57	WG1092317
Tetrachloroethene	U		0.000306	0.00111	1	04/02/2018 01:57	WG1092317
Toluene	U		0.000481	0.00555	1	04/02/2018 01:57	WG1092317
1,2,3-Trichlorobenzene	U	J4	0.000339	0.00111	1	04/02/2018 01:57	WG1092317
1,2,4-Trichlorobenzene	U	J4	0.000430	0.00111	1	04/02/2018 01:57	WG1092317
1,1,1-Trichloroethane	U		0.000317	0.00111	1	04/02/2018 01:57	WG1092317
1,1,2-Trichloroethane	U		0.000307	0.00111	1	04/02/2018 01:57	WG1092317
Trichloroethene	U		0.000309	0.00111	1	04/02/2018 01:57	WG1092317
Trichlorofluoromethane	U		0.000424	0.00555	1	04/02/2018 01:57	WG1092317
1,2,3-Trichloropropane	U		0.000822	0.00277	1	04/02/2018 01:57	WG1092317
1,2,4-Trimethylbenzene	U		0.000234	0.00111	1	04/02/2018 01:57	WG1092317
1,2,3-Trimethylbenzene	U		0.000318	0.00111	1	04/02/2018 01:57	WG1092317
1,3,5-Trimethylbenzene	U		0.000295	0.00111	1	04/02/2018 01:57	WG1092317
Vinyl acetate	U	J0	0.00265	0.0111	1	04/02/2018 01:57	WG1092317
Vinyl chloride	0.00767		0.000323	0.00111	1	04/02/2018 01:57	WG1092317
Xylenes, Total	U		0.000774	0.00333	1	04/02/2018 01:57	WG1092317
(S) Toluene-d8	*104*			*80.0-120*		*04/02/2018 01:57*	WG1092317
(S) Dibromofluoromethane	*101*			*74.0-131*		*04/02/2018 01:57*	WG1092317
(S) 4-Bromofluorobenzene	*92.8*			*64.0-132*		*04/02/2018 01:57*	WG1092317

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch
Analyte	%			date / time	
Total Solids	88.0		1	04/04/2018 13:30	WG1093170

Volatile Organic Compounds (GC/MS) by Method 8260C

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J0	0.0114	0.0568	1	04/02/2018 02:16	WG1092317
Acrylonitrile	U		0.00203	0.0114	1	04/02/2018 02:16	WG1092317
Benzene	U		0.000307	0.00114	1	04/02/2018 02:16	WG1092317
Bromobenzene	U		0.000323	0.00114	1	04/02/2018 02:16	WG1092317
Bromodichloromethane	U		0.000289	0.00114	1	04/02/2018 02:16	WG1092317
Bromochloromethane	U		0.000443	0.00568	1	04/02/2018 02:16	WG1092317
Bromoform	U	J0	0.000482	0.00114	1	04/02/2018 02:16	WG1092317
Bromomethane	U		0.00152	0.00568	1	04/02/2018 02:16	WG1092317
n-Butylbenzene	U		0.000293	0.00114	1	04/02/2018 02:16	WG1092317
sec-Butylbenzene	U		0.000228	0.00114	1	04/02/2018 02:16	WG1092317
tert-Butylbenzene	U		0.000234	0.00114	1	04/02/2018 02:16	WG1092317
Carbon disulfide	U		0.000251	0.00114	1	04/02/2018 02:16	WG1092317
Carbon tetrachloride	U		0.000373	0.00114	1	04/02/2018 02:16	WG1092317
Chlorobenzene	U		0.000241	0.00114	1	04/02/2018 02:16	WG1092317
Chlorodibromomethane	U		0.000424	0.00114	1	04/02/2018 02:16	WG1092317
Chloroethane	U		0.00108	0.00568	1	04/02/2018 02:16	WG1092317
Chloroform	U		0.000260	0.00568	1	04/02/2018 02:16	WG1092317
Chloromethane	U		0.000426	0.00284	1	04/02/2018 02:16	WG1092317
2-Chlorotoluene	U		0.000342	0.00114	1	04/02/2018 02:16	WG1092317
4-Chlorotoluene	U		0.000273	0.00114	1	04/02/2018 02:16	WG1092317
1,2-Dibromo-3-Chloropropane	U		0.00119	0.00568	1	04/02/2018 02:16	WG1092317
1,2-Dibromoethane	U		0.000390	0.00114	1	04/02/2018 02:16	WG1092317
Dibromomethane	U		0.000434	0.00114	1	04/02/2018 02:16	WG1092317
1,2-Dichlorobenzene	U		0.000347	0.00114	1	04/02/2018 02:16	WG1092317
1,3-Dichlorobenzene	U		0.000272	0.00114	1	04/02/2018 02:16	WG1092317
1,4-Dichlorobenzene	U		0.000257	0.00114	1	04/02/2018 02:16	WG1092317
Dichlorodifluoromethane	U		0.000810	0.00568	1	04/02/2018 02:16	WG1092317
1,1-Dichloroethane	U		0.000226	0.00114	1	04/02/2018 02:16	WG1092317
1,2-Dichloroethane	U		0.000301	0.00114	1	04/02/2018 02:16	WG1092317
1,1-Dichloroethene	U		0.000344	0.00114	1	04/02/2018 02:16	WG1092317
cis-1,2-Dichloroethene	U		0.000267	0.00114	1	04/02/2018 02:16	WG1092317
trans-1,2-Dichloroethene	U		0.000300	0.00114	1	04/02/2018 02:16	WG1092317
1,2-Dichloropropane	U		0.000407	0.00114	1	04/02/2018 02:16	WG1092317
1,1-Dichloropropene	U		0.000360	0.00114	1	04/02/2018 02:16	WG1092317
1,3-Dichloropropane	U		0.000235	0.00114	1	04/02/2018 02:16	WG1092317
cis-1,3-Dichloropropene	U		0.000298	0.00114	1	04/02/2018 02:16	WG1092317
trans-1,3-Dichloropropene	U		0.000303	0.00114	1	04/02/2018 02:16	WG1092317
trans-1,4-Dichloro-2-butene	U	J0	0.000884	0.00284	1	04/02/2018 02:16	WG1092317
2,2-Dichloropropane	U		0.000317	0.00114	1	04/02/2018 02:16	WG1092317
Di-isopropyl ether	U	J0	0.000282	0.00114	1	04/02/2018 02:16	WG1092317
Ethylbenzene	U		0.000338	0.00114	1	04/02/2018 02:16	WG1092317
Hexachloro-1,3-butadiene	U		0.000389	0.00114	1	04/02/2018 02:16	WG1092317
2-Hexanone	U		0.00156	0.0114	1	04/02/2018 02:16	WG1092317
n-Hexane	U		0.000330	0.0114	1	04/02/2018 02:16	WG1092317
Iodomethane	U		0.00288	0.0114	1	04/02/2018 02:16	WG1092317
Isopropylbenzene	U		0.000276	0.00114	1	04/02/2018 02:16	WG1092317
p-Isopropyltoluene	U		0.000232	0.00114	1	04/02/2018 02:16	WG1092317
2-Butanone (MEK)	U	J0	0.00532	0.0114	1	04/02/2018 02:16	WG1092317
Methylene Chloride	U		0.00114	0.00568	1	04/02/2018 02:16	WG1092317
4-Methyl-2-pentanone (MIBK)	U		0.00214	0.0114	1	04/02/2018 02:16	WG1092317

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000241	0.00114	1	04/02/2018 02:16	WG1092317
Naphthalene	U		0.00114	0.00568	1	04/02/2018 02:16	WG1092317
n-Propylbenzene	U		0.000234	0.00114	1	04/02/2018 02:16	WG1092317
Styrene	U		0.000266	0.00114	1	04/02/2018 02:16	WG1092317
1,1,1,2-Tetrachloroethane	U		0.000300	0.00114	1	04/02/2018 02:16	WG1092317
1,1,2,2-Tetrachloroethane	U		0.000415	0.00114	1	04/02/2018 02:16	WG1092317
1,1,2-Trichlorotrifluoroethane	U		0.000415	0.00114	1	04/02/2018 02:16	WG1092317
Tetrachloroethene	U		0.000314	0.00114	1	04/02/2018 02:16	WG1092317
Toluene	U		0.000493	0.00568	1	04/02/2018 02:16	WG1092317
1,2,3-Trichlorobenzene	U	J4	0.000348	0.00114	1	04/02/2018 02:16	WG1092317
1,2,4-Trichlorobenzene	U	J4	0.000441	0.00114	1	04/02/2018 02:16	WG1092317
1,1,1-Trichloroethane	U		0.000325	0.00114	1	04/02/2018 02:16	WG1092317
1,1,2-Trichloroethane	U		0.000315	0.00114	1	04/02/2018 02:16	WG1092317
Trichloroethene	U		0.000317	0.00114	1	04/02/2018 02:16	WG1092317
Trichlorofluoromethane	U		0.000434	0.00568	1	04/02/2018 02:16	WG1092317
1,2,3-Trichloropropane	U		0.000842	0.00284	1	04/02/2018 02:16	WG1092317
1,2,4-Trimethylbenzene	U		0.000240	0.00114	1	04/02/2018 02:16	WG1092317
1,2,3-Trimethylbenzene	U		0.000326	0.00114	1	04/02/2018 02:16	WG1092317
1,3,5-Trimethylbenzene	U		0.000302	0.00114	1	04/02/2018 02:16	WG1092317
Vinyl acetate	U	J0	0.00272	0.0114	1	04/02/2018 02:16	WG1092317
Vinyl chloride	0.000344	J	0.000331	0.00114	1	04/02/2018 02:16	WG1092317
Xylenes, Total	U		0.000793	0.00341	1	04/02/2018 02:16	WG1092317
(S) Toluene-d8	*106*			*80.0-120*		*04/02/2018 02:16*	WG1092317
(S) Dibromofluoromethane	*99.8*			*74.0-131*		*04/02/2018 02:16*	WG1092317
(S) 4-Bromofluorobenzene	*90.4*			*64.0-132*		*04/02/2018 02:16*	WG1092317

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	89.8		1	04/04/2018 13:30	WG1093170

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U	J0	0.0111	0.0557	1	04/02/2018 02:36	WG1092317
Acrylonitrile	U		0.00199	0.0111	1	04/02/2018 02:36	WG1092317
Benzene	U		0.000301	0.00111	1	04/02/2018 02:36	WG1092317
Bromobenzene	U		0.000316	0.00111	1	04/02/2018 02:36	WG1092317
Bromodichloromethane	U		0.000283	0.00111	1	04/02/2018 02:36	WG1092317
Bromochloromethane	U		0.000434	0.00557	1	04/02/2018 02:36	WG1092317
Bromoform	U	J0	0.000472	0.00111	1	04/02/2018 02:36	WG1092317
Bromomethane	U		0.00149	0.00557	1	04/02/2018 02:36	WG1092317
n-Butylbenzene	U		0.000287	0.00111	1	04/02/2018 02:36	WG1092317
sec-Butylbenzene	U		0.000224	0.00111	1	04/02/2018 02:36	WG1092317
tert-Butylbenzene	U		0.000229	0.00111	1	04/02/2018 02:36	WG1092317
Carbon disulfide	U		0.000246	0.00111	1	04/02/2018 02:36	WG1092317
Carbon tetrachloride	U		0.000365	0.00111	1	04/02/2018 02:36	WG1092317
Chlorobenzene	U		0.000236	0.00111	1	04/02/2018 02:36	WG1092317
Chlorodibromomethane	U		0.000415	0.00111	1	04/02/2018 02:36	WG1092317
Chloroethane	U		0.00105	0.00557	1	04/02/2018 02:36	WG1092317
Chloroform	U		0.000255	0.00557	1	04/02/2018 02:36	WG1092317
Chloromethane	U		0.000418	0.00278	1	04/02/2018 02:36	WG1092317
2-Chlorotoluene	U		0.000335	0.00111	1	04/02/2018 02:36	WG1092317
4-Chlorotoluene	U		0.000267	0.00111	1	04/02/2018 02:36	WG1092317
1,2-Dibromo-3-Chloropropane	U		0.00117	0.00557	1	04/02/2018 02:36	WG1092317
1,2-Dibromoethane	U		0.000382	0.00111	1	04/02/2018 02:36	WG1092317
Dibromomethane	U		0.000425	0.00111	1	04/02/2018 02:36	WG1092317
1,2-Dichlorobenzene	U		0.000340	0.00111	1	04/02/2018 02:36	WG1092317
1,3-Dichlorobenzene	U		0.000266	0.00111	1	04/02/2018 02:36	WG1092317
1,4-Dichlorobenzene	U		0.000252	0.00111	1	04/02/2018 02:36	WG1092317
Dichlorodifluoromethane	U		0.000794	0.00557	1	04/02/2018 02:36	WG1092317
1,1-Dichloroethane	U		0.000222	0.00111	1	04/02/2018 02:36	WG1092317
1,2-Dichloroethane	U		0.000295	0.00111	1	04/02/2018 02:36	WG1092317
1,1-Dichloroethene	U		0.000337	0.00111	1	04/02/2018 02:36	WG1092317
cis-1,2-Dichloroethene	U		0.000262	0.00111	1	04/02/2018 02:36	WG1092317
trans-1,2-Dichloroethene	U		0.000294	0.00111	1	04/02/2018 02:36	WG1092317
1,2-Dichloropropane	U		0.000399	0.00111	1	04/02/2018 02:36	WG1092317
1,1-Dichloropropene	U		0.000353	0.00111	1	04/02/2018 02:36	WG1092317
1,3-Dichloropropane	U		0.000230	0.00111	1	04/02/2018 02:36	WG1092317
cis-1,3-Dichloropropene	U		0.000292	0.00111	1	04/02/2018 02:36	WG1092317
trans-1,3-Dichloropropene	U		0.000297	0.00111	1	04/02/2018 02:36	WG1092317
trans-1,4-Dichloro-2-butene	U	J0	0.000866	0.00278	1	04/02/2018 02:36	WG1092317
2,2-Dichloropropane	U		0.000311	0.00111	1	04/02/2018 02:36	WG1092317
Di-isopropyl ether	U	J0	0.000276	0.00111	1	04/02/2018 02:36	WG1092317
Ethylbenzene	U		0.000331	0.00111	1	04/02/2018 02:36	WG1092317
Hexachloro-1,3-butadiene	U		0.000381	0.00111	1	04/02/2018 02:36	WG1092317
2-Hexanone	U		0.00153	0.0111	1	04/02/2018 02:36	WG1092317
n-Hexane	U		0.000323	0.0111	1	04/02/2018 02:36	WG1092317
Iodomethane	U		0.00282	0.0111	1	04/02/2018 02:36	WG1092317
Isopropylbenzene	U		0.000271	0.00111	1	04/02/2018 02:36	WG1092317
p-Isopropyltoluene	U		0.000227	0.00111	1	04/02/2018 02:36	WG1092317
2-Butanone (MEK)	U	J0	0.00521	0.0111	1	04/02/2018 02:36	WG1092317
Methylene Chloride	U		0.00111	0.00557	1	04/02/2018 02:36	WG1092317
4-Methyl-2-pentanone (MIBK)	U		0.00209	0.0111	1	04/02/2018 02:36	WG1092317

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000236	0.00111	1	04/02/2018 02:36	WG1092317
Naphthalene	U		0.00111	0.00557	1	04/02/2018 02:36	WG1092317
n-Propylbenzene	U		0.000229	0.00111	1	04/02/2018 02:36	WG1092317
Styrene	U		0.000261	0.00111	1	04/02/2018 02:36	WG1092317
1,1,1,2-Tetrachloroethane	U		0.000294	0.00111	1	04/02/2018 02:36	WG1092317
1,1,2,2-Tetrachloroethane	U		0.000406	0.00111	1	04/02/2018 02:36	WG1092317
1,1,2-Trichlorotrifluoroethane	U		0.000406	0.00111	1	04/02/2018 02:36	WG1092317
Tetrachloroethene	U		0.000307	0.00111	1	04/02/2018 02:36	WG1092317
Toluene	U		0.000483	0.00557	1	04/02/2018 02:36	WG1092317
1,2,3-Trichlorobenzene	U	J4	0.000341	0.00111	1	04/02/2018 02:36	WG1092317
1,2,4-Trichlorobenzene	U	J4	0.000432	0.00111	1	04/02/2018 02:36	WG1092317
1,1,1-Trichloroethane	U		0.000318	0.00111	1	04/02/2018 02:36	WG1092317
1,1,2-Trichloroethane	U		0.000308	0.00111	1	04/02/2018 02:36	WG1092317
Trichloroethene	U		0.000311	0.00111	1	04/02/2018 02:36	WG1092317
Trichlorofluoromethane	U		0.000425	0.00557	1	04/02/2018 02:36	WG1092317
1,2,3-Trichloropropane	U		0.000825	0.00278	1	04/02/2018 02:36	WG1092317
1,2,4-Trimethylbenzene	U		0.000235	0.00111	1	04/02/2018 02:36	WG1092317
1,2,3-Trimethylbenzene	U		0.000320	0.00111	1	04/02/2018 02:36	WG1092317
1,3,5-Trimethylbenzene	U		0.000296	0.00111	1	04/02/2018 02:36	WG1092317
Vinyl acetate	U	J0	0.00266	0.0111	1	04/02/2018 02:36	WG1092317
Vinyl chloride	0.000902	J	0.000324	0.00111	1	04/02/2018 02:36	WG1092317
Xylenes, Total	U		0.000777	0.00334	1	04/02/2018 02:36	WG1092317
(S) Toluene-d8	*104*			*80.0-120*		*04/02/2018 02:36*	WG1092317
(S) Dibromofluoromethane	*102*			*74.0-131*		*04/02/2018 02:36*	WG1092317
(S) 4-Bromofluorobenzene	*91.7*			*64.0-132*		*04/02/2018 02:36*	WG1092317

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	90.6		1	04/04/2018 13:30	WG1093170

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U	J0	0.0110	0.0552	1	04/02/2018 02:55	WG1092317
Acrylonitrile	U		0.00197	0.0110	1	04/02/2018 02:55	WG1092317
Benzene	U		0.000298	0.00110	1	04/02/2018 02:55	WG1092317
Bromobenzene	U		0.000313	0.00110	1	04/02/2018 02:55	WG1092317
Bromodichloromethane	U		0.000280	0.00110	1	04/02/2018 02:55	WG1092317
Bromochloromethane	U		0.000430	0.00552	1	04/02/2018 02:55	WG1092317
Bromoform	U	J0	0.000468	0.00110	1	04/02/2018 02:55	WG1092317
Bromomethane	U		0.00148	0.00552	1	04/02/2018 02:55	WG1092317
n-Butylbenzene	U		0.000285	0.00110	1	04/02/2018 02:55	WG1092317
sec-Butylbenzene	U		0.000222	0.00110	1	04/02/2018 02:55	WG1092317
tert-Butylbenzene	U		0.000227	0.00110	1	04/02/2018 02:55	WG1092317
Carbon disulfide	0.000314	J	0.000244	0.00110	1	04/02/2018 02:55	WG1092317
Carbon tetrachloride	U		0.000362	0.00110	1	04/02/2018 02:55	WG1092317
Chlorobenzene	U		0.000234	0.00110	1	04/02/2018 02:55	WG1092317
Chlorodibromomethane	U		0.000412	0.00110	1	04/02/2018 02:55	WG1092317
Chloroethane	U		0.00104	0.00552	1	04/02/2018 02:55	WG1092317
Chloroform	U		0.000253	0.00552	1	04/02/2018 02:55	WG1092317
Chloromethane	U		0.000414	0.00276	1	04/02/2018 02:55	WG1092317
2-Chlorotoluene	U		0.000332	0.00110	1	04/02/2018 02:55	WG1092317
4-Chlorotoluene	U		0.000265	0.00110	1	04/02/2018 02:55	WG1092317
1,2-Dibromo-3-Chloropropane	U		0.00116	0.00552	1	04/02/2018 02:55	WG1092317
1,2-Dibromoethane	U		0.000378	0.00110	1	04/02/2018 02:55	WG1092317
Dibromomethane	U		0.000421	0.00110	1	04/02/2018 02:55	WG1092317
1,2-Dichlorobenzene	U		0.000337	0.00110	1	04/02/2018 02:55	WG1092317
1,3-Dichlorobenzene	U		0.000264	0.00110	1	04/02/2018 02:55	WG1092317
1,4-Dichlorobenzene	U		0.000249	0.00110	1	04/02/2018 02:55	WG1092317
Dichlorodifluoromethane	U		0.000787	0.00552	1	04/02/2018 02:55	WG1092317
1,1-Dichloroethane	U		0.000220	0.00110	1	04/02/2018 02:55	WG1092317
1,2-Dichloroethane	U		0.000292	0.00110	1	04/02/2018 02:55	WG1092317
1,1-Dichloroethene	U		0.000334	0.00110	1	04/02/2018 02:55	WG1092317
cis-1,2-Dichloroethene	0.000353	J	0.000259	0.00110	1	04/02/2018 02:55	WG1092317
trans-1,2-Dichloroethene	U		0.000291	0.00110	1	04/02/2018 02:55	WG1092317
1,2-Dichloropropane	U		0.000395	0.00110	1	04/02/2018 02:55	WG1092317
1,1-Dichloropropene	U		0.000350	0.00110	1	04/02/2018 02:55	WG1092317
1,3-Dichloropropane	U		0.000228	0.00110	1	04/02/2018 02:55	WG1092317
cis-1,3-Dichloropropene	U		0.000289	0.00110	1	04/02/2018 02:55	WG1092317
trans-1,3-Dichloropropene	U		0.000295	0.00110	1	04/02/2018 02:55	WG1092317
trans-1,4-Dichloro-2-butene	U	J0	0.000858	0.00276	1	04/02/2018 02:55	WG1092317
2,2-Dichloropropane	U		0.000308	0.00110	1	04/02/2018 02:55	WG1092317
Di-isopropyl ether	U	J0	0.000274	0.00110	1	04/02/2018 02:55	WG1092317
Ethylbenzene	U		0.000328	0.00110	1	04/02/2018 02:55	WG1092317
Hexachloro-1,3-butadiene	U		0.000377	0.00110	1	04/02/2018 02:55	WG1092317
2-Hexanone	U		0.00151	0.0110	1	04/02/2018 02:55	WG1092317
n-Hexane	U		0.000320	0.0110	1	04/02/2018 02:55	WG1092317
Iodomethane	U		0.00279	0.0110	1	04/02/2018 02:55	WG1092317
Isopropylbenzene	U		0.000268	0.00110	1	04/02/2018 02:55	WG1092317
p-Isopropyltoluene	U		0.000225	0.00110	1	04/02/2018 02:55	WG1092317
2-Butanone (MEK)	U	J0	0.00516	0.0110	1	04/02/2018 02:55	WG1092317
Methylene Chloride	U		0.00110	0.00552	1	04/02/2018 02:55	WG1092317
4-Methyl-2-pentanone (MIBK)	U		0.00207	0.0110	1	04/02/2018 02:55	WG1092317

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000234	0.00110	1	04/02/2018 02:55	WG1092317
Naphthalene	U		0.00110	0.00552	1	04/02/2018 02:55	WG1092317
n-Propylbenzene	U		0.000227	0.00110	1	04/02/2018 02:55	WG1092317
Styrene	U		0.000258	0.00110	1	04/02/2018 02:55	WG1092317
1,1,1,2-Tetrachloroethane	U		0.000291	0.00110	1	04/02/2018 02:55	WG1092317
1,1,2,2-Tetrachloroethane	U		0.000403	0.00110	1	04/02/2018 02:55	WG1092317
1,1,2-Trichlorotrifluoroethane	U		0.000403	0.00110	1	04/02/2018 02:55	WG1092317
Tetrachloroethene	U		0.000305	0.00110	1	04/02/2018 02:55	WG1092317
Toluene	U		0.000479	0.00552	1	04/02/2018 02:55	WG1092317
1,2,3-Trichlorobenzene	U	J4	0.000338	0.00110	1	04/02/2018 02:55	WG1092317
1,2,4-Trichlorobenzene	U	J4	0.000428	0.00110	1	04/02/2018 02:55	WG1092317
1,1,1-Trichloroethane	U		0.000316	0.00110	1	04/02/2018 02:55	WG1092317
1,1,2-Trichloroethane	U		0.000306	0.00110	1	04/02/2018 02:55	WG1092317
Trichloroethene	U		0.000308	0.00110	1	04/02/2018 02:55	WG1092317
Trichlorofluoromethane	U		0.000421	0.00552	1	04/02/2018 02:55	WG1092317
1,2,3-Trichloropropane	U		0.000818	0.00276	1	04/02/2018 02:55	WG1092317
1,2,4-Trimethylbenzene	U		0.000233	0.00110	1	04/02/2018 02:55	WG1092317
1,2,3-Trimethylbenzene	U		0.000317	0.00110	1	04/02/2018 02:55	WG1092317
1,3,5-Trimethylbenzene	U		0.000293	0.00110	1	04/02/2018 02:55	WG1092317
Vinyl acetate	U	J0	0.00264	0.0110	1	04/02/2018 02:55	WG1092317
Vinyl chloride	0.00148		0.000321	0.00110	1	04/02/2018 02:55	WG1092317
Xylenes, Total	U		0.000770	0.00331	1	04/02/2018 02:55	WG1092317
(S) Toluene-d8	*104*			*80.0-120*		*04/02/2018 02:55*	WG1092317
(S) Dibromofluoromethane	*104*			*74.0-131*		*04/02/2018 02:55*	WG1092317
(S) 4-Bromofluorobenzene	*89.1*			*64.0-132*		*04/02/2018 02:55*	WG1092317

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	83.0		1	04/04/2018 13:30	WG1093170

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U	J0	0.0120	0.0602	1	04/02/2018 03:15	WG1092317
Acrylonitrile	U		0.00216	0.0120	1	04/02/2018 03:15	WG1092317
Benzene	U		0.000325	0.00120	1	04/02/2018 03:15	WG1092317
Bromobenzene	U		0.000342	0.00120	1	04/02/2018 03:15	WG1092317
Bromodichloromethane	U		0.000306	0.00120	1	04/02/2018 03:15	WG1092317
Bromochloromethane	U		0.000470	0.00602	1	04/02/2018 03:15	WG1092317
Bromoform	U	J0	0.000511	0.00120	1	04/02/2018 03:15	WG1092317
Bromomethane	U		0.00161	0.00602	1	04/02/2018 03:15	WG1092317
n-Butylbenzene	U		0.000311	0.00120	1	04/02/2018 03:15	WG1092317
sec-Butylbenzene	U		0.000242	0.00120	1	04/02/2018 03:15	WG1092317
tert-Butylbenzene	U		0.000248	0.00120	1	04/02/2018 03:15	WG1092317
Carbon disulfide	0.000436	J	0.000266	0.00120	1	04/02/2018 03:15	WG1092317
Carbon tetrachloride	U		0.000395	0.00120	1	04/02/2018 03:15	WG1092317
Chlorobenzene	U		0.000255	0.00120	1	04/02/2018 03:15	WG1092317
Chlorodibromomethane	U		0.000449	0.00120	1	04/02/2018 03:15	WG1092317
Chloroethane	U		0.00114	0.00602	1	04/02/2018 03:15	WG1092317
Chloroform	U		0.000276	0.00602	1	04/02/2018 03:15	WG1092317
Chloromethane	U		0.000452	0.00301	1	04/02/2018 03:15	WG1092317
2-Chlorotoluene	U		0.000362	0.00120	1	04/02/2018 03:15	WG1092317
4-Chlorotoluene	U		0.000289	0.00120	1	04/02/2018 03:15	WG1092317
1,2-Dibromo-3-Chloropropane	U		0.00126	0.00602	1	04/02/2018 03:15	WG1092317
1,2-Dibromoethane	U		0.000413	0.00120	1	04/02/2018 03:15	WG1092317
Dibromomethane	U		0.000460	0.00120	1	04/02/2018 03:15	WG1092317
1,2-Dichlorobenzene	U		0.000367	0.00120	1	04/02/2018 03:15	WG1092317
1,3-Dichlorobenzene	U		0.000288	0.00120	1	04/02/2018 03:15	WG1092317
1,4-Dichlorobenzene	U		0.000272	0.00120	1	04/02/2018 03:15	WG1092317
Dichlorodifluoromethane	U		0.000859	0.00602	1	04/02/2018 03:15	WG1092317
1,1-Dichloroethane	U		0.000240	0.00120	1	04/02/2018 03:15	WG1092317
1,2-Dichloroethane	U		0.000319	0.00120	1	04/02/2018 03:15	WG1092317
1,1-Dichloroethene	U		0.000365	0.00120	1	04/02/2018 03:15	WG1092317
cis-1,2-Dichloroethene	0.000596	J	0.000283	0.00120	1	04/02/2018 03:15	WG1092317
trans-1,2-Dichloroethene	U		0.000318	0.00120	1	04/02/2018 03:15	WG1092317
1,2-Dichloropropane	U		0.000431	0.00120	1	04/02/2018 03:15	WG1092317
1,1-Dichloropropene	U		0.000382	0.00120	1	04/02/2018 03:15	WG1092317
1,3-Dichloropropane	U		0.000249	0.00120	1	04/02/2018 03:15	WG1092317
cis-1,3-Dichloropropene	U		0.000316	0.00120	1	04/02/2018 03:15	WG1092317
trans-1,3-Dichloropropene	U		0.000322	0.00120	1	04/02/2018 03:15	WG1092317
trans-1,4-Dichloro-2-butene	U	J0	0.000937	0.00301	1	04/02/2018 03:15	WG1092317
2,2-Dichloropropane	U		0.000336	0.00120	1	04/02/2018 03:15	WG1092317
Di-isopropyl ether	U	J0	0.000299	0.00120	1	04/02/2018 03:15	WG1092317
Ethylbenzene	U		0.000358	0.00120	1	04/02/2018 03:15	WG1092317
Hexachloro-1,3-butadiene	U		0.000412	0.00120	1	04/02/2018 03:15	WG1092317
2-Hexanone	U		0.00165	0.0120	1	04/02/2018 03:15	WG1092317
n-Hexane	U		0.000349	0.0120	1	04/02/2018 03:15	WG1092317
Iodomethane	U		0.00305	0.0120	1	04/02/2018 03:15	WG1092317
Isopropylbenzene	U		0.000293	0.00120	1	04/02/2018 03:15	WG1092317
p-Isopropyltoluene	U		0.000246	0.00120	1	04/02/2018 03:15	WG1092317
2-Butanone (MEK)	U	J0	0.00564	0.0120	1	04/02/2018 03:15	WG1092317
Methylene Chloride	U		0.00120	0.00602	1	04/02/2018 03:15	WG1092317
4-Methyl-2-pentanone (MIBK)	U		0.00226	0.0120	1	04/02/2018 03:15	WG1092317

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000255	0.00120	1	04/02/2018 03:15	WG1092317
Naphthalene	U		0.00120	0.00602	1	04/02/2018 03:15	WG1092317
n-Propylbenzene	U		0.000248	0.00120	1	04/02/2018 03:15	WG1092317
Styrene	U		0.000282	0.00120	1	04/02/2018 03:15	WG1092317
1,1,1,2-Tetrachloroethane	U		0.000318	0.00120	1	04/02/2018 03:15	WG1092317
1,1,2,2-Tetrachloroethane	U		0.000440	0.00120	1	04/02/2018 03:15	WG1092317
1,1,2-Trichlorotrifluoroethane	U		0.000440	0.00120	1	04/02/2018 03:15	WG1092317
Tetrachloroethene	0.000799	J	0.000332	0.00120	1	04/02/2018 03:15	WG1092317
Toluene	U		0.000523	0.00602	1	04/02/2018 03:15	WG1092317
1,2,3-Trichlorobenzene	U	J4	0.000369	0.00120	1	04/02/2018 03:15	WG1092317
1,2,4-Trichlorobenzene	U	J4	0.000467	0.00120	1	04/02/2018 03:15	WG1092317
1,1,1-Trichloroethane	U		0.000344	0.00120	1	04/02/2018 03:15	WG1092317
1,1,2-Trichloroethane	U		0.000334	0.00120	1	04/02/2018 03:15	WG1092317
Trichloroethene	U		0.000336	0.00120	1	04/02/2018 03:15	WG1092317
Trichlorofluoromethane	U		0.000460	0.00602	1	04/02/2018 03:15	WG1092317
1,2,3-Trichloropropane	U		0.000892	0.00301	1	04/02/2018 03:15	WG1092317
1,2,4-Trimethylbenzene	U		0.000254	0.00120	1	04/02/2018 03:15	WG1092317
1,2,3-Trimethylbenzene	U		0.000346	0.00120	1	04/02/2018 03:15	WG1092317
1,3,5-Trimethylbenzene	U		0.000320	0.00120	1	04/02/2018 03:15	WG1092317
Vinyl acetate	U	J0	0.00288	0.0120	1	04/02/2018 03:15	WG1092317
Vinyl chloride	0.00176		0.000350	0.00120	1	04/02/2018 03:15	WG1092317
Xylenes, Total	U		0.000841	0.00361	1	04/02/2018 03:15	WG1092317
(S) Toluene-d8	*106*			*80.0-120*		*04/02/2018 03:15*	WG1092317
(S) Dibromofluoromethane	*102*			*74.0-131*		*04/02/2018 03:15*	WG1092317
(S) 4-Bromofluorobenzene	*87.4*			*64.0-132*		*04/02/2018 03:15*	WG1092317

MW-153-110

Collected date/time: 03/28/18 12:57

SAMPLE RESULTS - 45

L981889

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	85.0		1	04/04/2018 13:30	WG1093170

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U	J0	0.0118	0.0588	1	04/02/2018 03:34	WG1092317
Acrylonitrile	U		0.00211	0.0118	1	04/02/2018 03:34	WG1092317
Benzene	U		0.000318	0.00118	1	04/02/2018 03:34	WG1092317
Bromobenzene	U		0.000334	0.00118	1	04/02/2018 03:34	WG1092317
Bromodichloromethane	U		0.000299	0.00118	1	04/02/2018 03:34	WG1092317
Bromochloromethane	U		0.000459	0.00588	1	04/02/2018 03:34	WG1092317
Bromoform	U	J0	0.000499	0.00118	1	04/02/2018 03:34	WG1092317
Bromomethane	U		0.00158	0.00588	1	04/02/2018 03:34	WG1092317
n-Butylbenzene	U		0.000304	0.00118	1	04/02/2018 03:34	WG1092317
sec-Butylbenzene	U		0.000237	0.00118	1	04/02/2018 03:34	WG1092317
tert-Butylbenzene	U		0.000242	0.00118	1	04/02/2018 03:34	WG1092317
Carbon disulfide	0.000319	J	0.000260	0.00118	1	04/02/2018 03:34	WG1092317
Carbon tetrachloride	U		0.000386	0.00118	1	04/02/2018 03:34	WG1092317
Chlorobenzene	U		0.000249	0.00118	1	04/02/2018 03:34	WG1092317
Chlorodibromomethane	U		0.000439	0.00118	1	04/02/2018 03:34	WG1092317
Chloroethane	U		0.00111	0.00588	1	04/02/2018 03:34	WG1092317
Chloroform	U		0.000269	0.00588	1	04/02/2018 03:34	WG1092317
Chloromethane	U		0.000441	0.00294	1	04/02/2018 03:34	WG1092317
2-Chlorotoluene	U		0.000354	0.00118	1	04/02/2018 03:34	WG1092317
4-Chlorotoluene	U		0.000282	0.00118	1	04/02/2018 03:34	WG1092317
1,2-Dibromo-3-Chloropropane	U		0.00124	0.00588	1	04/02/2018 03:34	WG1092317
1,2-Dibromoethane	U		0.000404	0.00118	1	04/02/2018 03:34	WG1092317
Dibromomethane	U		0.000450	0.00118	1	04/02/2018 03:34	WG1092317
1,2-Dichlorobenzene	U		0.000359	0.00118	1	04/02/2018 03:34	WG1092317
1,3-Dichlorobenzene	U		0.000281	0.00118	1	04/02/2018 03:34	WG1092317
1,4-Dichlorobenzene	U		0.000266	0.00118	1	04/02/2018 03:34	WG1092317
Dichlorodifluoromethane	U		0.000839	0.00588	1	04/02/2018 03:34	WG1092317
1,1-Dichloroethane	U		0.000234	0.00118	1	04/02/2018 03:34	WG1092317
1,2-Dichloroethane	U		0.000312	0.00118	1	04/02/2018 03:34	WG1092317
1,1-Dichloroethene	U		0.000357	0.00118	1	04/02/2018 03:34	WG1092317
cis-1,2-Dichloroethene	0.000773	J	0.000277	0.00118	1	04/02/2018 03:34	WG1092317
trans-1,2-Dichloroethene	U		0.000311	0.00118	1	04/02/2018 03:34	WG1092317
1,2-Dichloropropane	U		0.000421	0.00118	1	04/02/2018 03:34	WG1092317
1,1-Dichloropropene	U		0.000373	0.00118	1	04/02/2018 03:34	WG1092317
1,3-Dichloropropane	U		0.000244	0.00118	1	04/02/2018 03:34	WG1092317
cis-1,3-Dichloropropene	U		0.000308	0.00118	1	04/02/2018 03:34	WG1092317
trans-1,3-Dichloropropene	U		0.000314	0.00118	1	04/02/2018 03:34	WG1092317
trans-1,4-Dichloro-2-butene	U	J0	0.000916	0.00294	1	04/02/2018 03:34	WG1092317
2,2-Dichloropropane	U		0.000328	0.00118	1	04/02/2018 03:34	WG1092317
Di-isopropyl ether	U	J0	0.000292	0.00118	1	04/02/2018 03:34	WG1092317
Ethylbenzene	U		0.000350	0.00118	1	04/02/2018 03:34	WG1092317
Hexachloro-1,3-butadiene	U		0.000402	0.00118	1	04/02/2018 03:34	WG1092317
2-Hexanone	U		0.00161	0.0118	1	04/02/2018 03:34	WG1092317
n-Hexane	U		0.000341	0.0118	1	04/02/2018 03:34	WG1092317
Iodomethane	U		0.00298	0.0118	1	04/02/2018 03:34	WG1092317
Isopropylbenzene	U		0.000286	0.00118	1	04/02/2018 03:34	WG1092317
p-Isopropyltoluene	U		0.000240	0.00118	1	04/02/2018 03:34	WG1092317
2-Butanone (MEK)	U	J0	0.00551	0.0118	1	04/02/2018 03:34	WG1092317
Methylene Chloride	U		0.00118	0.00588	1	04/02/2018 03:34	WG1092317
4-Methyl-2-pentanone (MIBK)	U		0.00221	0.0118	1	04/02/2018 03:34	WG1092317

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000249	0.00118	1	04/02/2018 03:34	WG1092317
Naphthalene	U		0.00118	0.00588	1	04/02/2018 03:34	WG1092317
n-Propylbenzene	U		0.000242	0.00118	1	04/02/2018 03:34	WG1092317
Styrene	U		0.000275	0.00118	1	04/02/2018 03:34	WG1092317
1,1,1,2-Tetrachloroethane	U		0.000311	0.00118	1	04/02/2018 03:34	WG1092317
1,1,2,2-Tetrachloroethane	U		0.000430	0.00118	1	04/02/2018 03:34	WG1092317
1,1,2-Trichlorotrifluoroethane	U		0.000430	0.00118	1	04/02/2018 03:34	WG1092317
Tetrachloroethene	0.00254		0.000325	0.00118	1	04/02/2018 03:34	WG1092317
Toluene	U		0.000511	0.00588	1	04/02/2018 03:34	WG1092317
1,2,3-Trichlorobenzene	U	J4	0.000360	0.00118	1	04/02/2018 03:34	WG1092317
1,2,4-Trichlorobenzene	U	J4	0.000457	0.00118	1	04/02/2018 03:34	WG1092317
1,1,1-Trichloroethane	U		0.000337	0.00118	1	04/02/2018 03:34	WG1092317
1,1,2-Trichloroethane	U		0.000326	0.00118	1	04/02/2018 03:34	WG1092317
Trichloroethene	U		0.000328	0.00118	1	04/02/2018 03:34	WG1092317
Trichlorofluoromethane	U		0.000450	0.00588	1	04/02/2018 03:34	WG1092317
1,2,3-Trichloropropane	U		0.000872	0.00294	1	04/02/2018 03:34	WG1092317
1,2,4-Trimethylbenzene	U		0.000248	0.00118	1	04/02/2018 03:34	WG1092317
1,2,3-Trimethylbenzene	U		0.000338	0.00118	1	04/02/2018 03:34	WG1092317
1,3,5-Trimethylbenzene	U		0.000313	0.00118	1	04/02/2018 03:34	WG1092317
Vinyl acetate	U	J0	0.00281	0.0118	1	04/02/2018 03:34	WG1092317
Vinyl chloride	0.00311		0.000342	0.00118	1	04/02/2018 03:34	WG1092317
Xylenes, Total	U		0.000821	0.00353	1	04/02/2018 03:34	WG1092317
(S) Toluene-d8	*104*			*80.0-120*		*04/02/2018 03:34*	WG1092317
(S) Dibromofluoromethane	*103*			*74.0-131*		*04/02/2018 03:34*	WG1092317
(S) 4-Bromofluorobenzene	*88.6*			*64.0-132*		*04/02/2018 03:34*	WG1092317

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	87.0		1	04/04/2018 13:30	WG1093170

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U	J0	0.0115	0.0574	1	04/02/2018 03:54	WG1092317
Acrylonitrile	U		0.00206	0.0115	1	04/02/2018 03:54	WG1092317
Benzene	U		0.000310	0.00115	1	04/02/2018 03:54	WG1092317
Bromobenzene	U		0.000326	0.00115	1	04/02/2018 03:54	WG1092317
Bromodichloromethane	U		0.000292	0.00115	1	04/02/2018 03:54	WG1092317
Bromochloromethane	U		0.000448	0.00574	1	04/02/2018 03:54	WG1092317
Bromoform	U	J0	0.000487	0.00115	1	04/02/2018 03:54	WG1092317
Bromomethane	U		0.00154	0.00574	1	04/02/2018 03:54	WG1092317
n-Butylbenzene	U		0.000296	0.00115	1	04/02/2018 03:54	WG1092317
sec-Butylbenzene	U		0.000231	0.00115	1	04/02/2018 03:54	WG1092317
tert-Butylbenzene	U		0.000237	0.00115	1	04/02/2018 03:54	WG1092317
Carbon disulfide	U		0.000254	0.00115	1	04/02/2018 03:54	WG1092317
Carbon tetrachloride	U		0.000377	0.00115	1	04/02/2018 03:54	WG1092317
Chlorobenzene	U		0.000244	0.00115	1	04/02/2018 03:54	WG1092317
Chlorodibromomethane	U		0.000428	0.00115	1	04/02/2018 03:54	WG1092317
Chloroethane	U		0.00109	0.00574	1	04/02/2018 03:54	WG1092317
Chloroform	U		0.000263	0.00574	1	04/02/2018 03:54	WG1092317
Chloromethane	U		0.000431	0.00287	1	04/02/2018 03:54	WG1092317
2-Chlorotoluene	U		0.000346	0.00115	1	04/02/2018 03:54	WG1092317
4-Chlorotoluene	U		0.000276	0.00115	1	04/02/2018 03:54	WG1092317
1,2-Dibromo-3-Chloropropane	U		0.00121	0.00574	1	04/02/2018 03:54	WG1092317
1,2-Dibromoethane	U		0.000394	0.00115	1	04/02/2018 03:54	WG1092317
Dibromomethane	U		0.000439	0.00115	1	04/02/2018 03:54	WG1092317
1,2-Dichlorobenzene	U		0.000350	0.00115	1	04/02/2018 03:54	WG1092317
1,3-Dichlorobenzene	U		0.000275	0.00115	1	04/02/2018 03:54	WG1092317
1,4-Dichlorobenzene	U		0.000260	0.00115	1	04/02/2018 03:54	WG1092317
Dichlorodifluoromethane	U		0.000819	0.00574	1	04/02/2018 03:54	WG1092317
1,1-Dichloroethane	U		0.000229	0.00115	1	04/02/2018 03:54	WG1092317
1,2-Dichloroethane	U		0.000304	0.00115	1	04/02/2018 03:54	WG1092317
1,1-Dichloroethene	U		0.000348	0.00115	1	04/02/2018 03:54	WG1092317
cis-1,2-Dichloroethene	U		0.000270	0.00115	1	04/02/2018 03:54	WG1092317
trans-1,2-Dichloroethene	U		0.000303	0.00115	1	04/02/2018 03:54	WG1092317
1,2-Dichloropropane	U		0.000411	0.00115	1	04/02/2018 03:54	WG1092317
1,1-Dichloropropene	U		0.000364	0.00115	1	04/02/2018 03:54	WG1092317
1,3-Dichloropropane	U		0.000238	0.00115	1	04/02/2018 03:54	WG1092317
cis-1,3-Dichloropropene	U		0.000301	0.00115	1	04/02/2018 03:54	WG1092317
trans-1,3-Dichloropropene	U		0.000307	0.00115	1	04/02/2018 03:54	WG1092317
trans-1,4-Dichloro-2-butene	U	J0	0.000894	0.00287	1	04/02/2018 03:54	WG1092317
2,2-Dichloropropane	U		0.000321	0.00115	1	04/02/2018 03:54	WG1092317
Di-isopropyl ether	U	J0	0.000285	0.00115	1	04/02/2018 03:54	WG1092317
Ethylbenzene	U		0.000341	0.00115	1	04/02/2018 03:54	WG1092317
Hexachloro-1,3-butadiene	U		0.000393	0.00115	1	04/02/2018 03:54	WG1092317
2-Hexanone	U		0.00157	0.0115	1	04/02/2018 03:54	WG1092317
n-Hexane	U		0.000333	0.0115	1	04/02/2018 03:54	WG1092317
Iodomethane	U		0.00291	0.0115	1	04/02/2018 03:54	WG1092317
Isopropylbenzene	U		0.000279	0.00115	1	04/02/2018 03:54	WG1092317
p-Isopropyltoluene	U		0.000234	0.00115	1	04/02/2018 03:54	WG1092317
2-Butanone (MEK)	U	J0	0.00538	0.0115	1	04/02/2018 03:54	WG1092317
Methylene Chloride	U		0.00115	0.00574	1	04/02/2018 03:54	WG1092317
4-Methyl-2-pentanone (MIBK)	U		0.00216	0.0115	1	04/02/2018 03:54	WG1092317

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000244	0.00115	1	04/02/2018 03:54	WG1092317
Naphthalene	U		0.00115	0.00574	1	04/02/2018 03:54	WG1092317
n-Propylbenzene	U		0.000237	0.00115	1	04/02/2018 03:54	WG1092317
Styrene	U		0.000269	0.00115	1	04/02/2018 03:54	WG1092317
1,1,1,2-Tetrachloroethane	U		0.000303	0.00115	1	04/02/2018 03:54	WG1092317
1,1,2,2-Tetrachloroethane	U		0.000419	0.00115	1	04/02/2018 03:54	WG1092317
1,1,2-Trichlorotrifluoroethane	U		0.000419	0.00115	1	04/02/2018 03:54	WG1092317
Tetrachloroethene	0.000648	J	0.000317	0.00115	1	04/02/2018 03:54	WG1092317
Toluene	U		0.000499	0.00574	1	04/02/2018 03:54	WG1092317
1,2,3-Trichlorobenzene	U	J4	0.000352	0.00115	1	04/02/2018 03:54	WG1092317
1,2,4-Trichlorobenzene	U	J4	0.000446	0.00115	1	04/02/2018 03:54	WG1092317
1,1,1-Trichloroethane	U		0.000329	0.00115	1	04/02/2018 03:54	WG1092317
1,1,2-Trichloroethane	U		0.000318	0.00115	1	04/02/2018 03:54	WG1092317
Trichloroethene	U		0.000321	0.00115	1	04/02/2018 03:54	WG1092317
Trichlorofluoromethane	U		0.000439	0.00574	1	04/02/2018 03:54	WG1092317
1,2,3-Trichloropropane	U		0.000851	0.00287	1	04/02/2018 03:54	WG1092317
1,2,4-Trimethylbenzene	U		0.000242	0.00115	1	04/02/2018 03:54	WG1092317
1,2,3-Trimethylbenzene	U		0.000330	0.00115	1	04/02/2018 03:54	WG1092317
1,3,5-Trimethylbenzene	U		0.000306	0.00115	1	04/02/2018 03:54	WG1092317
Vinyl acetate	U	J0	0.00275	0.0115	1	04/02/2018 03:54	WG1092317
Vinyl chloride	U		0.000334	0.00115	1	04/02/2018 03:54	WG1092317
Xylenes, Total	U		0.000802	0.00345	1	04/02/2018 03:54	WG1092317
(S) Toluene-d8	*105*			*80.0-120*		*04/02/2018 03:54*	WG1092317
(S) Dibromofluoromethane	*104*			*74.0-131*		*04/02/2018 03:54*	WG1092317
(S) 4-Bromofluorobenzene	*88.3*			*64.0-132*		*04/02/2018 03:54*	WG1092317

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Collected date/time: 03/29/18 00:00

SAMPLE RESULTS - 47

L981889

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		1.05	25.0	1	03/31/2018 18:45	WG1092115
Acrylonitrile	U	J0	0.873	5.00	1	03/31/2018 18:45	WG1092115
Benzene	U		0.0896	0.500	1	03/31/2018 18:45	WG1092115
Bromobenzene	U		0.133	0.500	1	03/31/2018 18:45	WG1092115
Bromodichloromethane	U		0.0800	0.500	1	03/31/2018 18:45	WG1092115
Bromochloromethane	U		0.145	0.500	1	03/31/2018 18:45	WG1092115
Bromoform	U		0.186	0.500	1	03/31/2018 18:45	WG1092115
Bromomethane	U		0.157	2.50	1	03/31/2018 18:45	WG1092115
n-Butylbenzene	U		0.143	0.500	1	03/31/2018 18:45	WG1092115
sec-Butylbenzene	U		0.134	0.500	1	03/31/2018 18:45	WG1092115
tert-Butylbenzene	U		0.183	0.500	1	03/31/2018 18:45	WG1092115
Carbon disulfide	U		0.101	0.500	1	03/31/2018 18:45	WG1092115
Carbon tetrachloride	U		0.159	0.500	1	03/31/2018 18:45	WG1092115
Chlorobenzene	U		0.140	0.500	1	03/31/2018 18:45	WG1092115
Chlorodibromomethane	U		0.128	0.500	1	03/31/2018 18:45	WG1092115
Chloroethane	U		0.141	2.50	1	03/31/2018 18:45	WG1092115
Chloroform	U		0.0860	0.500	1	03/31/2018 18:45	WG1092115
Chloromethane	U		0.153	1.25	1	03/31/2018 18:45	WG1092115
2-Chlorotoluene	U		0.111	0.500	1	03/31/2018 18:45	WG1092115
4-Chlorotoluene	U		0.0972	0.500	1	03/31/2018 18:45	WG1092115
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	03/31/2018 18:45	WG1092115
1,2-Dibromoethane	U		0.193	0.500	1	03/31/2018 18:45	WG1092115
Dibromomethane	U		0.117	0.500	1	03/31/2018 18:45	WG1092115
1,2-Dichlorobenzene	U		0.101	0.500	1	03/31/2018 18:45	WG1092115
1,3-Dichlorobenzene	U		0.130	0.500	1	03/31/2018 18:45	WG1092115
1,4-Dichlorobenzene	U		0.121	0.500	1	03/31/2018 18:45	WG1092115
Dichlorodifluoromethane	U		0.127	2.50	1	03/31/2018 18:45	WG1092115
1,1-Dichloroethane	U		0.114	0.500	1	03/31/2018 18:45	WG1092115
1,2-Dichloroethane	U		0.108	0.500	1	03/31/2018 18:45	WG1092115
1,1-Dichloroethene	U		0.188	0.500	1	03/31/2018 18:45	WG1092115
cis-1,2-Dichloroethene	U	J0	0.0933	0.500	1	03/31/2018 18:45	WG1092115
trans-1,2-Dichloroethene	U		0.152	0.500	1	03/31/2018 18:45	WG1092115
1,2-Dichloropropane	U		0.190	0.500	1	03/31/2018 18:45	WG1092115
1,1-Dichloropropene	U		0.128	0.500	1	03/31/2018 18:45	WG1092115
1,3-Dichloropropane	U		0.147	1.00	1	03/31/2018 18:45	WG1092115
cis-1,3-Dichloropropene	U		0.0976	0.500	1	03/31/2018 18:45	WG1092115
trans-1,3-Dichloropropene	U		0.222	0.500	1	03/31/2018 18:45	WG1092115
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	03/31/2018 18:45	WG1092115
2,2-Dichloropropane	U		0.0929	0.500	1	03/31/2018 18:45	WG1092115
Di-isopropyl ether	U		0.0924	0.500	1	03/31/2018 18:45	WG1092115
Ethylbenzene	U		0.158	0.500	1	03/31/2018 18:45	WG1092115
Hexachloro-1,3-butadiene	U		0.157	1.00	1	03/31/2018 18:45	WG1092115
2-Hexanone	U		0.757	5.00	1	03/31/2018 18:45	WG1092115
n-Hexane	U		0.305	5.00	1	03/31/2018 18:45	WG1092115
Iodomethane	U		0.377	10.0	1	03/31/2018 18:45	WG1092115
Isopropylbenzene	U		0.126	0.500	1	03/31/2018 18:45	WG1092115
p-Isopropyltoluene	U		0.138	0.500	1	03/31/2018 18:45	WG1092115
2-Butanone (MEK)	U		1.28	5.00	1	03/31/2018 18:45	WG1092115
Methylene Chloride	U		1.07	2.50	1	03/31/2018 18:45	WG1092115
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	03/31/2018 18:45	WG1092115
Methyl tert-butyl ether	U		0.102	0.500	1	03/31/2018 18:45	WG1092115
Naphthalene	U		0.174	2.50	1	03/31/2018 18:45	WG1092115
n-Propylbenzene	U		0.162	0.500	1	03/31/2018 18:45	WG1092115
Styrene	U		0.117	0.500	1	03/31/2018 18:45	WG1092115
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	03/31/2018 18:45	WG1092115
1,1,2,2-Tetrachloroethane	U	J0	0.130	0.500	1	03/31/2018 18:45	WG1092115

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	03/31/2018 18:45	WG1092115
Tetrachloroethene	U		0.199	0.500	1	03/31/2018 18:45	WG1092115
Toluene	U		0.412	0.500	1	03/31/2018 18:45	WG1092115
1,2,3-Trichlorobenzene	U		0.164	0.500	1	03/31/2018 18:45	WG1092115
1,2,4-Trichlorobenzene	U		0.355	0.500	1	03/31/2018 18:45	WG1092115
1,1,1-Trichloroethane	U		0.0940	0.500	1	03/31/2018 18:45	WG1092115
1,1,2-Trichloroethane	U		0.186	0.500	1	03/31/2018 18:45	WG1092115
Trichloroethene	U		0.153	0.500	1	03/31/2018 18:45	WG1092115
Trichlorofluoromethane	U	J4	0.130	2.50	1	03/31/2018 18:45	WG1092115
1,2,3-Trichloropropane	U		0.247	2.50	1	03/31/2018 18:45	WG1092115
1,2,4-Trimethylbenzene	U		0.123	0.500	1	03/31/2018 18:45	WG1092115
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	03/31/2018 18:45	WG1092115
1,3,5-Trimethylbenzene	U		0.124	0.500	1	03/31/2018 18:45	WG1092115
Vinyl acetate	U		0.645	5.00	1	03/31/2018 18:45	WG1092115
Vinyl chloride	U		0.118	0.500	1	03/31/2018 18:45	WG1092115
Xylenes, Total	U		0.316	1.50	1	03/31/2018 18:45	WG1092115
(S) Toluene-d8	*98.4*			*80.0-120*		*03/31/2018 18:45*	WG1092115
(S) Dibromofluoromethane	*102*			*76.0-123*		*03/31/2018 18:45*	WG1092115
(S) 4-Bromofluorobenzene	*95.7*			*80.0-120*		*03/31/2018 18:45*	WG1092115

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Method Blank (MB)

(MB) R3299246-1 04/04/18 14:42

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.00100			

L981889-08 Original Sample (OS) • Duplicate (DUP)

(OS) L981889-08 04/04/18 14:42 • (DUP) R3299246-3 04/04/18 14:42

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	90.7	92.0	1	1.49		5

Laboratory Control Sample (LCS)

(LCS) R3299246-2 04/04/18 14:42

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	85.0-115	

Method Blank (MB)

(MB) R3299245-1 04/04/18 14:27

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.000			

L981889-14 Original Sample (OS) • Duplicate (DUP)

(OS) L981889-14 04/04/18 14:27 • (DUP) R3299245-3 04/04/18 14:27

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	88.2	88.4	1	0.205		5

Laboratory Control Sample (LCS)

(LCS) R3299245-2 04/04/18 14:27

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	85.0-115	

Method Blank (MB)

(MB) R3299243-1 04/04/18 14:15

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.00200			

L981889-21 Original Sample (OS) • Duplicate (DUP)

(OS) L981889-21 04/04/18 14:15 • (DUP) R3299243-3 04/04/18 14:15

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	87.2	86.8	1	0.372		5

Laboratory Control Sample (LCS)

(LCS) R3299243-2 04/04/18 14:15

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	85.0-115	

Method Blank (MB)

(MB) R3299240-1 04/04/18 13:45

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.000			

L981889-36 Original Sample (OS) • Duplicate (DUP)

(OS) L981889-36 04/04/18 13:45 • (DUP) R3299240-3 04/04/18 13:45

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	88.2	89.4	1	1.38		5

Laboratory Control Sample (LCS)

(LCS) R3299240-2 04/04/18 13:45

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	85.0-115	

Method Blank (MB)

(MB) R3299237-1 04/04/18 13:30

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.00100			

L981889-41 Original Sample (OS) • Duplicate (DUP)

(OS) L981889-41 04/04/18 13:30 • (DUP) R3299237-3 04/04/18 13:30

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	88.0	88.8	1	0.970		5

Laboratory Control Sample (LCS)

(LCS) R3299237-2 04/04/18 13:30

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	85.0-115	

Method Blank (MB)

(MB) R3299001-3 03/31/18 15:48

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Acetone	U		1.05	25.0
Acrylonitrile	U		0.873	5.00
Bromobenzene	U		0.133	0.500
Benzene	U		0.0896	0.500
Bromodichloromethane	U		0.0800	0.500
Bromochloromethane	U		0.145	0.500
Bromoform	U		0.186	0.500
Bromomethane	U		0.157	2.50
n-Butylbenzene	U		0.143	0.500
sec-Butylbenzene	U		0.134	0.500
tert-Butylbenzene	U		0.183	0.500
Carbon disulfide	U		0.101	0.500
Carbon tetrachloride	U		0.159	0.500
Chlorobenzene	U		0.140	0.500
Chlorodibromomethane	U		0.128	0.500
Chloroethane	U		0.141	2.50
Chloroform	U		0.0860	0.500
Chloromethane	U		0.153	1.25
2-Chlorotoluene	U		0.111	0.500
4-Chlorotoluene	U		0.0972	0.500
1,2-Dibromo-3-Chloropropane	U		0.325	2.50
1,2-Dibromoethane	U		0.193	0.500
Dibromomethane	U		0.117	0.500
1,2-Dichlorobenzene	U		0.101	0.500
1,3-Dichlorobenzene	U		0.130	0.500
1,4-Dichlorobenzene	U		0.121	0.500
Dichlorodifluoromethane	U		0.127	2.50
1,1-Dichloroethane	U		0.114	0.500
1,2-Dichloroethane	U		0.108	0.500
1,1-Dichloroethene	U		0.188	0.500
cis-1,2-Dichloroethene	U		0.0933	0.500
trans-1,2-Dichloroethene	U		0.152	0.500
1,2-Dichloropropane	U		0.190	0.500
1,1-Dichloropropene	U		0.128	0.500
1,3-Dichloropropane	U		0.147	1.00
cis-1,3-Dichloropropene	U		0.0976	0.500
trans-1,3-Dichloropropene	U		0.222	0.500
trans-1,4-Dichloro-2-butene	U		0.257	5.00
2,2-Dichloropropane	U		0.0929	0.500
Di-isopropyl ether	U		0.0924	0.500

Method Blank (MB)

(MB) R3299001-3 03/31/18 15:48

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Hexachloro-1,3-butadiene	U		0.157	1.00
2-Hexanone	U		0.757	5.00
n-Hexane	U		0.305	5.00
Iodomethane	U		0.377	10.0
Isopropylbenzene	U		0.126	0.500
p-Isopropyltoluene	U		0.138	0.500
2-Butanone (MEK)	U		1.28	5.00
Ethylbenzene	U		0.158	0.500
Methylene Chloride	U		1.07	2.50
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00
Methyl tert-butyl ether	U		0.102	0.500
n-Propylbenzene	U		0.162	0.500
Styrene	U		0.117	0.500
1,1,1,2-Tetrachloroethane	U		0.120	0.500
1,1,2,2-Tetrachloroethane	U		0.130	0.500
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500
Tetrachloroethene	U		0.199	0.500
1,2,3-Trichlorobenzene	U		0.164	0.500
1,2,4-Trichlorobenzene	U		0.355	0.500
1,1,1-Trichloroethane	U		0.0940	0.500
1,1,2-Trichloroethane	U		0.186	0.500
Trichloroethene	U		0.153	0.500
Trichlorofluoromethane	U		0.130	2.50
1,2,3-Trichloropropane	U		0.247	2.50
1,2,4-Trimethylbenzene	U		0.123	0.500
1,2,3-Trimethylbenzene	U		0.0739	0.500
Naphthalene	U		0.174	2.50
1,3,5-Trimethylbenzene	U		0.124	0.500
Vinyl acetate	U		0.645	5.00
Vinyl chloride	U		0.118	0.500
Toluene	U		0.412	0.500
Xylenes, Total	U		0.316	1.50
(S) Toluene-d8	*100*			*80.0-120*
(S) Dibromofluoromethane	*103*			*76.0-123*
(S) 4-Bromofluorobenzene	*95.1*			*80.0-120*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3299001-1 03/31/18 14:51 • (LCSD) R3299001-2 03/31/18 15:10

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	125	134	129	107	103	10.0-160			3.57	23
Acrylonitrile	125	97.6	94.8	78.1	75.9	60.0-142			2.87	20
Bromobenzene	25.0	22.5	21.0	89.9	83.8	79.0-120			6.98	20
Bromodichloromethane	25.0	23.7	21.8	94.7	87.0	76.0-120			8.43	20
Bromochloromethane	25.0	23.6	22.8	94.5	91.1	76.0-122			3.74	20
Bromoform	25.0	20.3	19.9	81.2	79.8	67.0-132			1.77	20
Bromomethane	25.0	24.8	21.9	99.2	87.8	18.0-160			12.3	20
n-Butylbenzene	25.0	24.3	22.6	97.2	90.6	72.0-126			7.11	20
sec-Butylbenzene	25.0	25.1	23.3	100	93.4	74.0-121			7.17	20
tert-Butylbenzene	25.0	24.3	22.1	97.2	88.4	75.0-122			9.51	20
Carbon disulfide	25.0	20.9	18.8	83.8	75.3	55.0-127			10.7	20
Carbon tetrachloride	25.0	28.7	25.2	115	101	63.0-122			13.1	20
Chlorobenzene	25.0	25.9	23.5	104	94.0	79.0-121			9.81	20
Chlorodibromomethane	25.0	26.7	25.5	107	102	75.0-125			4.51	20
Chloroethane	25.0	23.4	21.7	93.5	86.8	47.0-152			7.46	20
Chloroform	25.0	23.6	21.6	94.3	86.4	72.0-121			8.77	20
Chloromethane	25.0	23.2	21.1	92.8	84.5	48.0-139			9.26	20
2-Chlorotoluene	25.0	22.1	20.6	88.2	82.6	74.0-122			6.63	20
4-Chlorotoluene	25.0	22.1	20.3	88.3	81.3	79.0-120			8.35	20
1,2-Dibromo-3-Chloropropane	25.0	23.0	23.6	92.1	94.2	64.0-127			2.31	20
1,2-Dibromoethane	25.0	25.8	24.2	103	96.9	77.0-123			6.13	20
Dibromomethane	25.0	22.4	20.9	89.5	83.4	78.0-120			7.01	20
1,2-Dichlorobenzene	25.0	25.1	25.1	101	100	80.0-120			0.172	20
1,3-Dichlorobenzene	25.0	25.7	24.2	103	96.7	72.0-123			6.11	20
1,4-Dichlorobenzene	25.0	25.8	24.8	103	99.2	77.0-120			3.93	20
Dichlorodifluoromethane	25.0	32.5	29.2	130	117	49.0-155			10.7	20
1,1-Dichloroethane	25.0	22.6	21.4	90.3	85.7	70.0-126			5.20	20
1,2-Dichloroethane	25.0	26.5	25.2	106	101	67.0-126			5.08	20
1,1-Dichloroethene	25.0	21.2	18.9	84.8	75.7	64.0-129			11.2	20
cis-1,2-Dichloroethene	25.0	19.9	18.5	79.5	73.9	73.0-120			7.34	20
trans-1,2-Dichloroethene	25.0	20.0	18.2	80.1	72.7	71.0-121			9.70	20
1,2-Dichloropropane	25.0	22.3	21.1	89.3	84.4	75.0-125			5.70	20
1,1-Dichloropropene	25.0	25.1	21.8	100	87.3	71.0-129			13.8	20
1,3-Dichloropropane	25.0	24.2	22.7	96.7	90.9	80.0-121			6.23	20
cis-1,3-Dichloropropene	25.0	24.0	22.3	96.0	89.2	79.0-123			7.33	20
trans-1,3-Dichloropropene	25.0	24.9	23.7	99.5	94.8	74.0-127			4.86	20
trans-1,4-Dichloro-2-butene	25.0	20.0	19.6	80.0	78.4	55.0-134			2.06	20
2,2-Dichloropropane	25.0	25.2	22.8	101	91.4	60.0-125			9.77	20
Di-isopropyl ether	25.0	20.0	19.0	80.0	76.0	59.0-133			5.08	20
Hexachloro-1,3-butadiene	25.0	25.0	23.2	100	92.9	64.0-131			7.38	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3299001-1 03/31/18 14:51 • (LCSD) R3299001-2 03/31/18 15:10

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
2-Hexanone	125	116	109	92.5	87.0	58.0-147			6.07	20
n-Hexane	25.0	22.3	20.5	89.4	82.1	56.0-124			8.55	20
Iodomethane	125	117	106	94.0	85.0	57.0-140			10.0	20
Isopropylbenzene	25.0	23.5	21.2	94.0	84.7	75.0-120			10.4	20
p-Isopropyltoluene	25.0	24.8	23.4	99.3	93.4	74.0-126			6.12	20
2-Butanone (MEK)	125	106	106	84.6	84.6	37.0-158			0.0219	20
Methylene Chloride	25.0	20.5	18.7	81.9	74.8	66.0-121			9.08	20
4-Methyl-2-pentanone (MIBK)	125	111	106	89.0	84.8	59.0-143			4.76	20
Benzene	25.0	21.2	19.4	84.8	77.5	69.0-123			9.00	20
Methyl tert-butyl ether	25.0	22.5	22.0	89.9	87.9	64.0-123			2.25	20
n-Propylbenzene	25.0	22.1	20.1	88.5	80.4	79.0-120			9.53	20
Styrene	25.0	22.3	20.5	89.4	81.9	78.0-124			8.69	20
1,1,1,2-Tetrachloroethane	25.0	28.3	25.8	113	103	75.0-122			9.18	20
1,1,2,2-Tetrachloroethane	25.0	19.9	19.9	79.5	79.5	71.0-122			0.0543	20
1,1,2-Trichlorotrifluoroethane	25.0	25.0	21.9	100	87.4	61.0-136			13.4	20
Tetrachloroethene	25.0	26.8	24.0	107	96.0	70.0-127			11.2	20
1,2,3-Trichlorobenzene	25.0	24.6	24.9	98.3	99.5	61.0-133			1.12	20
1,2,4-Trichlorobenzene	25.0	24.4	23.8	97.6	95.1	69.0-129			2.62	20
1,1,1-Trichloroethane	25.0	26.1	22.2	104	88.9	68.0-122			16.1	20
1,1,2-Trichloroethane	25.0	22.4	21.1	89.7	84.5	78.0-120			6.03	20
Trichloroethene	25.0	25.3	22.1	101	88.6	78.0-120			13.5	20
Trichlorofluoromethane	25.0	34.5	30.6	138	123	56.0-137	J4		11.9	20
1,2,3-Trichloropropane	25.0	23.0	22.3	92.1	89.3	72.0-124			3.10	20
1,2,4-Trimethylbenzene	25.0	22.7	21.4	90.7	85.4	75.0-120			6.00	20
1,2,3-Trimethylbenzene	25.0	25.0	23.0	100	92.1	75.0-120			8.23	20
1,3,5-Trimethylbenzene	25.0	24.1	22.2	96.5	88.7	75.0-120			8.42	20
Vinyl acetate	125	114	107	91.2	85.6	46.0-160			6.32	20
Vinyl chloride	25.0	29.2	25.9	117	103	64.0-133			12.0	20
Ethylbenzene	25.0	25.4	22.7	102	90.9	77.0-120			11.1	20
Naphthalene	25.0	24.8	24.4	99.4	97.7	62.0-128			1.73	20
Toluene	25.0	22.3	20.2	89.4	80.7	77.0-120			10.1	20
Xylenes, Total	75.0	74.7	68.9	99.6	91.9	77.0-120			8.08	20
(S) Toluene-d8				*102*	*102*	*80.0-120*				
(S) Dibromofluoromethane				*104*	*106*	*76.0-123*				
(S) 4-Bromofluorobenzene				*92.9*	*95.1*	*80.0-120*				

Method Blank (MB)

(MB) R3299415-3 03/31/18 17:16

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acetone	U		0.0100	0.0500
Acrylonitrile	U		0.00179	0.0100
Benzene	U		0.000270	0.00100
Bromobenzene	U		0.000284	0.00100
Bromodichloromethane	U		0.000254	0.00100
Bromochloromethane	U		0.000390	0.00500
Bromoform	U		0.000424	0.00100
Bromomethane	U		0.00134	0.00500
n-Butylbenzene	U		0.000258	0.00100
sec-Butylbenzene	U		0.000201	0.00100
tert-Butylbenzene	U		0.000206	0.00100
Carbon disulfide	U		0.000221	0.00100
Carbon tetrachloride	U		0.000328	0.00100
Chlorobenzene	U		0.000212	0.00100
Chlorodibromomethane	U		0.000373	0.00100
Chloroethane	U		0.000946	0.00500
Chloroform	U		0.000229	0.00500
Chloromethane	U		0.000375	0.00250
2-Chlorotoluene	U		0.000301	0.00100
4-Chlorotoluene	U		0.000240	0.00100
1,2-Dibromo-3-Chloropropane	U		0.00105	0.00500
1,2-Dibromoethane	U		0.000343	0.00100
Dibromomethane	U		0.000382	0.00100
1,2-Dichlorobenzene	U		0.000305	0.00100
1,3-Dichlorobenzene	U		0.000239	0.00100
1,4-Dichlorobenzene	U		0.000226	0.00100
trans-1,4-Dichloro-2-butene	U		0.000778	0.00250
Dichlorodifluoromethane	U		0.000713	0.00500
1,1-Dichloroethane	U		0.000199	0.00100
1,2-Dichloroethane	U		0.000265	0.00100
1,1-Dichloroethene	U		0.000303	0.00100
cis-1,2-Dichloroethene	U		0.000235	0.00100
trans-1,2-Dichloroethene	U		0.000264	0.00100
1,2-Dichloropropane	U		0.000358	0.00100
1,1-Dichloropropene	U		0.000317	0.00100
1,3-Dichloropropane	U		0.000207	0.00100
cis-1,3-Dichloropropene	U		0.000262	0.00100
trans-1,3-Dichloropropene	U		0.000267	0.00100
2,2-Dichloropropane	U		0.000279	0.00100
Di-isopropyl ether	U		0.000248	0.00100

Method Blank (MB)

(MB) R3299415-3 03/31/18 17:16

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Ethylbenzene	U		0.000297	0.00100
Hexachloro-1,3-butadiene	U		0.000342	0.00100
2-Hexanone	U		0.00137	0.0100
n-Hexane	U		0.000290	0.0100
Iodomethane	U		0.00253	0.0100
Isopropylbenzene	U		0.000243	0.00100
p-Isopropyltoluene	U		0.000204	0.00100
2-Butanone (MEK)	U		0.00468	0.0100
Methylene Chloride	U		0.00100	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.00188	0.0100
Methyl tert-butyl ether	U		0.000212	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.000206	0.00100
Styrene	U		0.000234	0.00100
1,1,1,2-Tetrachloroethane	U		0.000264	0.00100
1,1,2,2-Tetrachloroethane	U		0.000365	0.00100
Tetrachloroethene	U		0.000276	0.00100
Toluene	U		0.000434	0.00500
1,1,2-Trichlorotrifluoroethane	U		0.000365	0.00100
1,2,3-Trichlorobenzene	U		0.000306	0.00100
1,2,4-Trichlorobenzene	U		0.000388	0.00100
1,1,1-Trichloroethane	U		0.000286	0.00100
1,1,2-Trichloroethane	U		0.000277	0.00100
Trichloroethene	U		0.000279	0.00100
Trichlorofluoromethane	U		0.000382	0.00500
1,2,3-Trichloropropane	U		0.000741	0.00250
1,2,3-Trimethylbenzene	U		0.000287	0.00100
1,2,4-Trimethylbenzene	U		0.000211	0.00100
1,3,5-Trimethylbenzene	U		0.000266	0.00100
Vinyl acetate	U		0.00239	0.0100
Vinyl chloride	U		0.000291	0.00100
Xylenes, Total	U		0.000698	0.00300
(S) Toluene-d8	*106*			*80.0-120*
(S) Dibromofluoromethane	*100*			*74.0-131*
(S) 4-Bromofluorobenzene	*101*			*64.0-132*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3299415-1 03/31/18 16:14 • (LCSD) R3299415-2 03/31/18 16:35

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.125	0.178	0.139	142	112	11.0-160		J3	24.1	23
Acrylonitrile	0.125	0.175	0.148	140	118	61.0-143			16.9	20
Benzene	0.0250	0.0254	0.0289	101	116	71.0-124			13.0	20
Bromobenzene	0.0250	0.0243	0.0263	97.1	105	78.0-120			8.19	20
Bromodichloromethane	0.0250	0.0267	0.0282	107	113	75.0-120			5.56	20
Bromochloromethane	0.0250	0.0271	0.0296	109	118	80.0-121			8.61	20
Bromoform	0.0250	0.0290	0.0264	116	106	65.0-133			9.24	20
Bromomethane	0.0250	0.0245	0.0300	98.0	120	26.0-160		J3	20.1	20
n-Butylbenzene	0.0250	0.0231	0.0287	92.4	115	73.0-126		J3	21.7	20
sec-Butylbenzene	0.0250	0.0226	0.0288	90.4	115	75.0-121		J3	24.1	20
tert-Butylbenzene	0.0250	0.0234	0.0292	93.8	117	74.0-122		J3	21.8	20
Carbon disulfide	0.0250	0.0225	0.0296	90.2	118	53.0-130		J3	27.0	20
Carbon tetrachloride	0.0250	0.0222	0.0285	88.8	114	66.0-123		J3	24.9	20
Chlorobenzene	0.0250	0.0255	0.0292	102	117	79.0-121			13.5	20
Chlorodibromomethane	0.0250	0.0284	0.0287	114	115	74.0-128			1.08	20
Chloroethane	0.0250	0.0234	0.0297	93.5	119	51.0-147		J3	24.0	20
Chloroform	0.0250	0.0255	0.0289	102	116	73.0-123			12.3	20
Chloromethane	0.0250	0.0232	0.0298	92.8	119	51.0-138		J3	25.0	20
2-Chlorotoluene	0.0250	0.0240	0.0282	95.9	113	72.0-124			16.2	20
4-Chlorotoluene	0.0250	0.0238	0.0270	95.1	108	78.0-120			12.6	20
1,2-Dibromo-3-Chloropropane	0.0250	0.0312	0.0263	125	105	65.0-126			17.0	20
1,2-Dibromoethane	0.0250	0.0297	0.0280	119	112	78.0-122			5.82	20
Dibromomethane	0.0250	0.0286	0.0277	114	111	79.0-120			3.18	20
1,2-Dichlorobenzene	0.0250	0.0262	0.0280	105	112	80.0-120			6.86	20
1,3-Dichlorobenzene	0.0250	0.0247	0.0279	98.9	111	72.0-123			11.9	20
1,4-Dichlorobenzene	0.0250	0.0241	0.0267	96.5	107	77.0-120			10.2	20
trans-1,4-Dichloro-2-butene	0.0250	0.0315	0.0274	126	110	68.0-126			13.7	20
Dichlorodifluoromethane	0.0250	0.0230	0.0316	91.8	126	49.0-155		J3	31.7	20
1,1-Dichloroethane	0.0250	0.0255	0.0301	102	120	70.0-128			16.3	20
1,2-Dichloroethane	0.0250	0.0288	0.0282	115	113	69.0-128			1.87	20
1,1-Dichloroethene	0.0250	0.0224	0.0302	89.7	121	63.0-131		J3	29.7	20
cis-1,2-Dichloroethene	0.0250	0.0254	0.0293	102	117	74.0-123			14.4	20
trans-1,2-Dichloroethene	0.0250	0.0245	0.0305	98.0	122	72.0-122		J3	21.9	20
1,2-Dichloropropane	0.0250	0.0273	0.0292	109	117	75.0-126			6.72	20
1,1-Dichloropropene	0.0250	0.0239	0.0291	95.4	117	72.0-130			19.9	20
1,3-Dichloropropane	0.0250	0.0283	0.0276	113	110	80.0-121			2.74	20
cis-1,3-Dichloropropene	0.0250	0.0273	0.0286	109	115	80.0-125			4.84	20
trans-1,3-Dichloropropene	0.0250	0.0286	0.0287	114	115	75.0-129			0.237	20
2,2-Dichloropropane	0.0250	0.0233	0.0301	93.1	120	60.0-129		J3	25.4	20
Di-isopropyl ether	0.0250	0.0281	0.0302	112	121	62.0-133			7.04	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3299415-1 03/31/18 16:14 • (LCSD) R3299415-2 03/31/18 16:35

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Ethylbenzene	0.0250	0.0241	0.0299	96.5	119	77.0-120		J3	21.2	20
Hexachloro-1,3-butadiene	0.0250	0.0229	0.0295	91.6	118	68.0-128		J3	25.1	20
2-Hexanone	0.125	0.177	0.147	141	117	61.0-143			18.5	20
n-Hexane	0.0250	0.0235	0.0289	93.8	116	57.0-125		J3	20.8	20
Iodomethane	0.125	0.122	0.149	97.2	119	67.0-132		J3	20.1	20
Isopropylbenzene	0.0250	0.0231	0.0282	92.6	113	75.0-120			19.8	20
p-Isopropyltoluene	0.0250	0.0242	0.0298	96.6	119	74.0-125		J3	20.9	20
2-Butanone (MEK)	0.125	0.194	0.143	155	115	37.0-159		J3	30.3	20
Methylene Chloride	0.0250	0.0254	0.0290	101	116	67.0-123			13.3	20
4-Methyl-2-pentanone (MIBK)	0.125	0.173	0.145	138	116	60.0-144			17.6	20
Methyl tert-butyl ether	0.0250	0.0297	0.0292	119	117	66.0-125			1.91	20
Naphthalene	0.0250	0.0293	0.0280	117	112	64.0-125			4.63	20
n-Propylbenzene	0.0250	0.0232	0.0281	92.7	112	78.0-120			19.2	20
Styrene	0.0250	0.0253	0.0280	101	112	78.0-124			9.97	20
1,1,1,2-Tetrachloroethane	0.0250	0.0258	0.0300	103	120	74.0-124			14.9	20
1,1,2,2-Tetrachloroethane	0.0250	0.0293	0.0258	117	103	73.0-120			12.7	20
Tetrachloroethene	0.0250	0.0234	0.0292	93.6	117	70.0-127		J3	22.2	20
Toluene	0.0250	0.0238	0.0279	95.2	112	77.0-120			15.9	20
1,1,2-Trichlorotrifluoroethane	0.0250	0.0231	0.0312	92.5	125	64.0-135		J3	29.8	20
1,2,3-Trichlorobenzene	0.0250	0.0268	0.0283	107	113	68.0-126			5.49	20
1,2,4-Trichlorobenzene	0.0250	0.0246	0.0266	98.2	106	70.0-127			7.88	20
1,1,1-Trichloroethane	0.0250	0.0243	0.0303	97.1	121	69.0-125		J3	22.2	20
1,1,2-Trichloroethane	0.0250	0.0282	0.0276	113	110	78.0-120			2.27	20
Trichloroethene	0.0250	0.0255	0.0308	102	123	79.0-120		J4	18.6	20
Trichlorofluoromethane	0.0250	0.0246	0.0333	98.5	133	59.0-136		J3	30.0	20
1,2,3-Trichloropropane	0.0250	0.0300	0.0265	120	106	73.0-124			12.6	20
1,2,3-Trimethylbenzene	0.0250	0.0250	0.0281	99.8	112	76.0-120			11.8	20
1,2,4-Trimethylbenzene	0.0250	0.0241	0.0282	96.4	113	75.0-120			15.9	20
1,3,5-Trimethylbenzene	0.0250	0.0238	0.0286	95.3	114	75.0-120			18.2	20
Vinyl acetate	0.125	0.159	0.127	127	101	58.0-156		J3	22.4	20
Vinyl chloride	0.0250	0.0243	0.0330	97.0	132	63.0-134		J3	30.6	20
Xylenes, Total	0.0750	0.0743	0.0902	99.1	120	77.0-120		J3	19.3	20
(S) Toluene-d8				*105*	*107*	*80.0-120*				
(S) Dibromofluoromethane				*96.4*	*96.1*	*74.0-131*				
(S) 4-Bromofluorobenzene				*94.0*	*93.7*	*64.0-132*				

L981889-09 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L981889-09 04/01/18 01:19 • (MS) R3299415-4 04/01/18 01:40 • (MSD) R3299415-5 04/01/18 02:02

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acetone	0.141	U	2.06	3.34	58.5	95.1	25	10.0-160		J3	47.7	36
Acrylonitrile	0.141	U	3.21	5.51	91.3	157	25	14.0-160		J3	52.8	33
Benzene	0.0281	U	0.557	1.00	79.2	143	25	13.0-146		J3	57.3	27
Bromobenzene	0.0281	U	0.495	0.903	70.4	128	25	10.0-149		J3	58.3	33
Bromodichloromethane	0.0281	U	0.554	1.02	78.7	145	25	15.0-142		J3 J5	59.1	28
Bromochloromethane	0.0281	U	0.567	1.05	80.7	149	25	24.0-146		J3 J5	59.5	27
Bromoform	0.0281	U	0.513	0.977	72.9	139	25	10.0-147		J3	62.3	31
Bromomethane	0.0281	U	0.376	0.690	53.4	98.2	25	10.0-160		J3	59.0	32
n-Butylbenzene	0.0281	U	0.519	0.960	73.8	136	25	10.0-154		J3	59.6	37
sec-Butylbenzene	0.0281	U	0.520	0.955	73.9	136	25	10.0-151		J3	59.0	36
tert-Butylbenzene	0.0281	U	0.532	0.981	75.7	139	25	10.0-152		J3	59.3	35
Carbon disulfide	0.0281	U	0.589	1.05	83.8	150	25	10.0-141		J3 J5	56.4	30
Carbon tetrachloride	0.0281	U	0.513	0.939	73.0	134	25	13.0-140		J3	58.6	30
Chlorobenzene	0.0281	U	0.469	0.916	66.7	130	25	10.0-149		J3	64.5	31
Chlorodibromomethane	0.0281	U	0.490	0.953	69.7	136	25	12.0-147		J3	64.2	29
Chloroethane	0.0281	U	0.156	0.302	22.2	43.0	25	10.0-159		J3	63.8	33
Chloroform	0.0281	U	0.550	1.00	78.2	143	25	18.0-148		J3	58.5	28
Chloromethane	0.0281	U	0.497	0.900	70.8	128	25	10.0-146		J3	57.6	29
2-Chlorotoluene	0.0281	U	0.505	0.939	71.8	134	25	10.0-151		J3	60.1	35
4-Chlorotoluene	0.0281	U	0.495	0.908	70.4	129	25	10.0-150		J3	58.8	35
1,2-Dibromo-3-Chloropropane	0.0281	U	0.543	1.00	77.2	143	25	10.0-149		J3	59.4	34
1,2-Dibromoethane	0.0281	U	0.490	0.927	69.6	132	25	14.0-145		J3	61.7	28
Dibromomethane	0.0281	U	0.566	1.03	80.6	146	25	18.0-144		J3 J5	57.8	27
1,2-Dichlorobenzene	0.0281	U	0.527	0.962	74.9	137	25	10.0-153		J3	58.5	34
1,3-Dichlorobenzene	0.0281	U	0.509	0.944	72.4	134	25	10.0-150		J3	59.9	35
1,4-Dichlorobenzene	0.0281	U	0.489	0.903	69.5	128	25	10.0-148		J3	59.6	34
trans-1,4-Dichloro-2-butene	0.0281	U	0.603	1.11	85.7	158	25	10.0-160		J3	59.6	40
Dichlorodifluoromethane	0.0281	U	0.423	0.769	60.1	109	25	10.0-160		J3	58.2	30
1,1-Dichloroethane	0.0281	U	0.563	1.01	80.1	144	25	19.0-148		J3	56.9	28
1,2-Dichloroethane	0.0281	U	0.559	0.999	79.5	142	25	17.0-147		J3	56.6	27
1,1-Dichloroethene	0.0281	U	0.571	1.01	81.2	144	25	10.0-150		J3	55.8	31
cis-1,2-Dichloroethene	0.0281	0.886	1.37	1.78	69.4	127	25	16.0-145			25.6	28
trans-1,2-Dichloroethene	0.0281	0.0882	0.651	1.10	80.0	144	25	11.0-142		J3 J5	51.6	29
1,2-Dichloropropane	0.0281	U	0.561	1.03	79.8	147	25	17.0-148		J3	59.3	28
1,1-Dichloropropene	0.0281	U	0.546	0.997	77.6	142	25	10.0-150		J3	58.6	30
1,3-Dichloropropane	0.0281	U	0.486	0.914	69.1	130	25	16.0-148		J3	61.1	27
cis-1,3-Dichloropropene	0.0281	U	0.472	0.911	67.1	130	25	13.0-150		J3	63.5	28
trans-1,3-Dichloropropene	0.0281	U	0.481	0.924	68.4	131	25	10.0-152		J3	63.0	29
2,2-Dichloropropane	0.0281	U	0.488	0.888	69.4	126	25	16.0-143		J3	58.2	30

L981889-09 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L981889-09 04/01/18 01:19 • (MS) R3299415-4 04/01/18 01:40 • (MSD) R3299415-5 04/01/18 02:02

Analyte	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
Di-isopropyl ether	0.0281	U	0.575	1.03	81.8	146	25	16.0-149		J3	56.3	28
Ethylbenzene	0.0281	U	0.483	0.945	68.7	134	25	10.0-147		J3	64.7	31
Hexachloro-1,3-butadiene	0.0281	U	0.546	1.05	77.7	150	25	10.0-154		J3	63.3	40
2-Hexanone	0.141	U	2.70	4.87	76.8	138	25	12.0-158		J3	57.3	30
n-Hexane	0.0281	U	0.611	1.07	86.9	152	25	10.0-140		J3 J5	54.3	34
Iodomethane	0.141	U	2.87	5.30	81.7	151	25	10.0-157		J3	59.4	34
Isopropylbenzene	0.0281	U	0.515	0.931	73.3	132	25	10.0-147		J3	57.5	33
p-Isopropyltoluene	0.0281	U	0.529	0.976	75.2	139	25	10.0-156		J3	59.4	37
2-Butanone (MEK)	0.141	U	3.01	4.97	85.7	141	25	10.0-160		J3	49.0	33
Methylene Chloride	0.0281	U	0.552	0.988	78.4	141	25	16.0-139		J3 J5	56.7	29
4-Methyl-2-pentanone (MIBK)	0.141	U	2.79	5.01	79.3	142	25	12.0-160		J3	56.9	32
Methyl tert-butyl ether	0.0281	U	0.610	1.08	86.7	153	25	21.0-145		J3 J5	55.6	29
Naphthalene	0.0281	U	0.528	1.01	75.0	144	25	10.0-153		J3	63.1	36
n-Propylbenzene	0.0281	U	0.502	0.919	71.4	131	25	10.0-151		J3	58.6	34
Styrene	0.0281	U	0.551	1.03	78.4	146	25	10.0-155		J3	60.2	34
1,1,1,2-Tetrachloroethane	0.0281	U	0.483	0.950	68.7	135	25	10.0-147		J3	65.1	30
1,1,2,2-Tetrachloroethane	0.0281	U	0.517	0.893	73.6	127	25	10.0-155		J3	53.2	31
Tetrachloroethene	0.0281	0.237	0.693	1.14	64.8	129	25	10.0-144		J3	48.9	32
Toluene	0.0281	U	0.466	0.883	66.3	126	25	10.0-144		J3	61.8	28
1,1,2-Trichlorotrifluoroethane	0.0281	U	0.576	1.03	81.9	147	25	10.0-153		J3	56.6	33
1,2,3-Trichlorobenzene	0.0281	U	0.527	1.04	75.0	147	25	10.0-153		J3	65.1	40
1,2,4-Trichlorobenzene	0.0281	U	0.500	0.973	71.1	138	25	10.0-156		J3	64.2	40
1,1,1-Trichloroethane	0.0281	U	0.552	0.996	78.5	142	25	18.0-145		J3	57.3	29
1,1,2-Trichloroethane	0.0281	U	0.473	0.907	67.3	129	25	12.0-151		J3	62.9	28
Trichloroethene	0.0281	0.0208	0.578	1.08	79.3	150	25	11.0-148		J3 J5	60.1	29
Trichlorofluoromethane	0.0281	U	0.242	0.440	34.4	62.6	25	10.0-157		J3	58.1	34
1,2,3-Trichloropropane	0.0281	U	0.532	0.911	75.6	130	25	10.0-154		J3	52.6	32
1,2,3-Trimethylbenzene	0.0281	U	0.530	0.969	75.3	138	25	10.0-150		J3	58.7	33
1,2,4-Trimethylbenzene	0.0281	U	0.520	0.958	73.9	136	25	10.0-151		J3	59.3	34
1,3,5-Trimethylbenzene	0.0281	U	0.525	0.963	74.7	137	25	10.0-150		J3	58.9	33
Vinyl acetate	0.141	U	2.31	3.83	65.8	109	25	10.0-160		J3	49.4	40
Vinyl chloride	0.0281	0.256	0.755	1.19	71.0	132	25	10.0-150		J3	44.4	29
Xylenes, Total	0.0844	U	1.48	2.88	70.0	136	25	10.0-150		J3	64.4	31
(S) Toluene-d8					*93.4*	*96.7*		*80.0-120*				
(S) Dibromofluoromethane					*97.9*	*97.0*		*74.0-131*				
(S) 4-Bromofluorobenzene					*91.6*	*89.8*		*64.0-132*				

Sample Narrative:

OS: Cannot be analyzed at a lower dilution due to high levels of target analytes.

Method Blank (MB)

(MB) R3299462-3 04/01/18 23:54

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acetone	U		0.0100	0.0500
Acrylonitrile	U		0.00179	0.0100
Benzene	U		0.000270	0.00100
Bromobenzene	U		0.000284	0.00100
Bromodichloromethane	U		0.000254	0.00100
Bromochloromethane	U		0.000390	0.00500
Bromoform	U		0.000424	0.00100
Bromomethane	U		0.00134	0.00500
n-Butylbenzene	U		0.000258	0.00100
sec-Butylbenzene	U		0.000201	0.00100
tert-Butylbenzene	U		0.000206	0.00100
Carbon disulfide	U		0.000221	0.00100
Carbon tetrachloride	U		0.000328	0.00100
Chlorobenzene	U		0.000212	0.00100
Chlorodibromomethane	U		0.000373	0.00100
Chloroethane	U		0.000946	0.00500
Chloroform	U		0.000229	0.00500
Chloromethane	U		0.000375	0.00250
2-Chlorotoluene	U		0.000301	0.00100
4-Chlorotoluene	U		0.000240	0.00100
1,2-Dibromo-3-Chloropropane	U		0.00105	0.00500
1,2-Dibromoethane	U		0.000343	0.00100
Dibromomethane	U		0.000382	0.00100
1,2-Dichlorobenzene	U		0.000305	0.00100
1,3-Dichlorobenzene	U		0.000239	0.00100
1,4-Dichlorobenzene	U		0.000226	0.00100
trans-1,4-Dichloro-2-butene	U		0.000778	0.00250
Dichlorodifluoromethane	U		0.000713	0.00500
1,1-Dichloroethane	U		0.000199	0.00100
1,2-Dichloroethane	U		0.000265	0.00100
1,1-Dichloroethene	U		0.000303	0.00100
cis-1,2-Dichloroethene	U		0.000235	0.00100
trans-1,2-Dichloroethene	U		0.000264	0.00100
1,2-Dichloropropane	U		0.000358	0.00100
1,1-Dichloropropene	U		0.000317	0.00100
1,3-Dichloropropane	U		0.000207	0.00100
cis-1,3-Dichloropropene	U		0.000262	0.00100
trans-1,3-Dichloropropene	U		0.000267	0.00100
2,2-Dichloropropane	U		0.000279	0.00100
Di-isopropyl ether	U		0.000248	0.00100

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Method Blank (MB)

(MB) R3299462-3 04/01/18 23:54

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Ethylbenzene	U		0.000297	0.00100
Hexachloro-1,3-butadiene	U		0.000342	0.00100
2-Hexanone	U		0.00137	0.0100
n-Hexane	0.000369	J	0.000290	0.0100
Iodomethane	U		0.00253	0.0100
Isopropylbenzene	U		0.000243	0.00100
p-Isopropyltoluene	U		0.000204	0.00100
2-Butanone (MEK)	U		0.00468	0.0100
Methylene Chloride	U		0.00100	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.00188	0.0100
Methyl tert-butyl ether	U		0.000212	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.000206	0.00100
Styrene	U		0.000234	0.00100
1,1,1,2-Tetrachloroethane	U		0.000264	0.00100
1,1,2,2-Tetrachloroethane	U		0.000365	0.00100
Tetrachloroethene	U		0.000276	0.00100
Toluene	U		0.000434	0.00500
1,1,2-Trichlorotrifluoroethane	U		0.000365	0.00100
1,2,3-Trichlorobenzene	U		0.000306	0.00100
1,2,4-Trichlorobenzene	U		0.000388	0.00100
1,1,1-Trichloroethane	U		0.000286	0.00100
1,1,2-Trichloroethane	U		0.000277	0.00100
Trichloroethene	U		0.000279	0.00100
Trichlorofluoromethane	U		0.000382	0.00500
1,2,3-Trichloropropane	U		0.000741	0.00250
1,2,3-Trimethylbenzene	U		0.000287	0.00100
1,2,4-Trimethylbenzene	U		0.000211	0.00100
1,3,5-Trimethylbenzene	U		0.000266	0.00100
Vinyl acetate	U		0.00239	0.0100
Vinyl chloride	U		0.000291	0.00100
Xylenes, Total	U		0.000698	0.00300
(S) Toluene-d8	*110*			*80.0-120*
(S) Dibromofluoromethane	*100*			*74.0-131*
(S) 4-Bromofluorobenzene	*101*			*64.0-132*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3299462-1 04/01/18 22:50 • (LCSD) R3299462-2 04/01/18 23:11

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.125	0.118	0.113	94.6	90.7	11.0-160			4.26	23
Acrylonitrile	0.125	0.124	0.124	98.8	98.9	61.0-143			0.118	20
Benzene	0.0250	0.0241	0.0246	96.4	98.3	71.0-124			1.93	20
Bromobenzene	0.0250	0.0238	0.0242	95.1	97.0	78.0-120			1.99	20
Bromodichloromethane	0.0250	0.0241	0.0248	96.4	99.1	75.0-120			2.83	20
Bromochloromethane	0.0250	0.0244	0.0254	97.7	101	80.0-121			3.74	20
Bromoform	0.0250	0.0237	0.0238	94.6	95.2	65.0-133			0.672	20
Bromomethane	0.0250	0.0246	0.0250	98.3	100	26.0-160			1.74	20
n-Butylbenzene	0.0250	0.0261	0.0263	104	105	73.0-126			0.641	20
sec-Butylbenzene	0.0250	0.0255	0.0254	102	102	75.0-121			0.208	20
tert-Butylbenzene	0.0250	0.0256	0.0254	102	102	74.0-122			0.510	20
Carbon disulfide	0.0250	0.0224	0.0232	89.6	92.6	53.0-130			3.24	20
Carbon tetrachloride	0.0250	0.0231	0.0243	92.4	97.2	66.0-123			5.00	20
Chlorobenzene	0.0250	0.0255	0.0265	102	106	79.0-121			3.98	20
Chlorodibromomethane	0.0250	0.0250	0.0260	100	104	74.0-128			4.01	20
Chloroethane	0.0250	0.0242	0.0255	96.6	102	51.0-147			5.44	20
Chloroform	0.0250	0.0243	0.0255	97.4	102	73.0-123			4.48	20
Chloromethane	0.0250	0.0243	0.0244	97.3	97.7	51.0-138			0.334	20
2-Chlorotoluene	0.0250	0.0251	0.0251	100	100	72.0-124			0.187	20
4-Chlorotoluene	0.0250	0.0243	0.0246	97.3	98.5	78.0-120			1.20	20
1,2-Dibromo-3-Chloropropane	0.0250	0.0234	0.0231	93.7	92.4	65.0-126			1.46	20
1,2-Dibromoethane	0.0250	0.0248	0.0250	99.0	100	78.0-122			1.07	20
Dibromomethane	0.0250	0.0238	0.0240	95.4	95.8	79.0-120			0.474	20
1,2-Dichlorobenzene	0.0250	0.0251	0.0257	100	103	80.0-120			2.42	20
1,3-Dichlorobenzene	0.0250	0.0257	0.0256	103	102	72.0-123			0.424	20
1,4-Dichlorobenzene	0.0250	0.0244	0.0244	97.8	97.5	77.0-120			0.349	20
trans-1,4-Dichloro-2-butene	0.0250	0.0247	0.0247	98.8	98.8	68.0-126			0.0136	20
Dichlorodifluoromethane	0.0250	0.0247	0.0253	98.8	101	49.0-155			2.29	20
1,1-Dichloroethane	0.0250	0.0250	0.0262	100	105	70.0-128			4.53	20
1,2-Dichloroethane	0.0250	0.0242	0.0242	96.6	96.7	69.0-128			0.0364	20
1,1-Dichloroethene	0.0250	0.0240	0.0252	96.2	101	63.0-131			4.69	20
cis-1,2-Dichloroethene	0.0250	0.0242	0.0255	96.9	102	74.0-123			5.16	20
trans-1,2-Dichloroethene	0.0250	0.0241	0.0253	96.6	101	72.0-122			4.67	20
1,2-Dichloropropane	0.0250	0.0247	0.0260	99.0	104	75.0-126			4.83	20
1,1-Dichloropropene	0.0250	0.0241	0.0250	96.3	99.8	72.0-130			3.62	20
1,3-Dichloropropane	0.0250	0.0243	0.0251	97.1	100	80.0-121			3.20	20
cis-1,3-Dichloropropene	0.0250	0.0249	0.0256	99.7	102	80.0-125			2.52	20
trans-1,3-Dichloropropene	0.0250	0.0253	0.0257	101	103	75.0-129			1.57	20
2,2-Dichloropropane	0.0250	0.0247	0.0255	98.7	102	60.0-129			3.09	20
Di-isopropyl ether	0.0250	0.0250	0.0260	100	104	62.0-133			3.77	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3299462-1 04/01/18 22:50 • (LCSD) R3299462-2 04/01/18 23:11

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Ethylbenzene	0.0250	0.0252	0.0268	101	107	77.0-120			5.96	20
Hexachloro-1,3-butadiene	0.0250	0.0265	0.0276	106	110	68.0-128			3.98	20
2-Hexanone	0.125	0.130	0.132	104	106	61.0-143			1.97	20
n-Hexane	0.0250	0.0223	0.0225	89.3	90.1	57.0-125			0.898	20
Iodomethane	0.125	0.120	0.126	95.6	101	67.0-132			5.51	20
Isopropylbenzene	0.0250	0.0249	0.0248	99.5	99.1	75.0-120			0.428	20
p-Isopropyltoluene	0.0250	0.0263	0.0266	105	107	74.0-125			1.10	20
2-Butanone (MEK)	0.125	0.123	0.120	98.3	96.2	37.0-159			2.20	20
Methylene Chloride	0.0250	0.0239	0.0251	95.8	100	67.0-123			4.56	20
4-Methyl-2-pentanone (MIBK)	0.125	0.130	0.132	104	106	60.0-144			2.01	20
Methyl tert-butyl ether	0.0250	0.0242	0.0253	96.9	101	66.0-125			4.36	20
Naphthalene	0.0250	0.0239	0.0248	95.7	99.2	64.0-125			3.59	20
n-Propylbenzene	0.0250	0.0252	0.0254	101	102	78.0-120			0.939	20
Styrene	0.0250	0.0246	0.0250	98.2	99.9	78.0-124			1.70	20
1,1,1,2-Tetrachloroethane	0.0250	0.0258	0.0277	103	111	74.0-124			6.93	20
1,1,2,2-Tetrachloroethane	0.0250	0.0243	0.0238	97.3	95.4	73.0-120			2.02	20
Tetrachloroethene	0.0250	0.0258	0.0262	103	105	70.0-127			1.54	20
Toluene	0.0250	0.0238	0.0250	95.1	100	77.0-120			4.99	20
1,1,2-Trichlorotrifluoroethane	0.0250	0.0258	0.0265	103	106	64.0-135			2.63	20
1,2,3-Trichlorobenzene	0.0250	0.0254	0.0263	102	105	68.0-126			3.38	20
1,2,4-Trichlorobenzene	0.0250	0.0252	0.0260	101	104	70.0-127			2.98	20
1,1,1-Trichloroethane	0.0250	0.0245	0.0259	98.2	104	69.0-125			5.42	20
1,1,2-Trichloroethane	0.0250	0.0243	0.0246	97.4	98.5	78.0-120			1.11	20
Trichloroethene	0.0250	0.0253	0.0266	101	106	79.0-120			4.75	20
Trichlorofluoromethane	0.0250	0.0273	0.0264	109	105	59.0-136			3.48	20
1,2,3-Trichloropropane	0.0250	0.0236	0.0232	94.2	92.7	73.0-124			1.64	20
1,2,3-Trimethylbenzene	0.0250	0.0247	0.0250	98.7	100	76.0-120			1.31	20
1,2,4-Trimethylbenzene	0.0250	0.0254	0.0255	102	102	75.0-120			0.379	20
1,3,5-Trimethylbenzene	0.0250	0.0255	0.0253	102	101	75.0-120			0.617	20
Vinyl acetate	0.125	0.138	0.134	111	107	58.0-156			2.97	20
Vinyl chloride	0.0250	0.0265	0.0271	106	109	63.0-134			2.43	20
Xylenes, Total	0.0750	0.0775	0.0820	103	109	77.0-120			5.64	20
(S) Toluene-d8				*109*	*111*	*80.0-120*				
(S) Dibromofluoromethane				*95.3*	*96.3*	*74.0-131*				
(S) 4-Bromofluorobenzene				*93.4*	*92.3*	*64.0-132*				

L981722-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L981722-05 04/02/18 07:50 • (MS) R3299462-4 04/02/18 08:11 • (MSD) R3299462-5 04/02/18 08:32

Analyte	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
Acetone	0.170	ND	332	351	195	206	1000	10.0-160	J5	J5	5.76	36
Acrylonitrile	0.170	ND	195	207	115	122	1000	14.0-160			5.88	33
Benzene	0.0341	ND	33.2	31.8	95.3	91.3	1000	13.0-146			4.17	27
Bromobenzene	0.0341	ND	35.4	34.7	104	102	1000	10.0-149			1.90	33
Bromodichloromethane	0.0341	ND	34.7	34.9	102	103	1000	15.0-142			0.665	28
Bromochloromethane	0.0341	ND	33.2	33.8	97.5	99.1	1000	24.0-146			1.64	27
Bromoform	0.0341	ND	35.4	37.0	104	108	1000	10.0-147			4.32	31
Bromomethane	0.0341	ND	31.8	29.9	93.5	87.9	1000	10.0-160			6.18	32
n-Butylbenzene	0.0341	5.41	39.9	39.0	101	98.6	1000	10.0-154			2.37	37
sec-Butylbenzene	0.0341	1.54	36.2	34.9	102	97.8	1000	10.0-151			3.92	36
tert-Butylbenzene	0.0341	ND	35.3	34.4	104	101	1000	10.0-152			2.63	35
Carbon disulfide	0.0341	ND	29.0	28.1	85.2	82.5	1000	10.0-141			3.30	30
Carbon tetrachloride	0.0341	ND	33.1	32.7	97.2	96.1	1000	13.0-140			1.20	30
Chlorobenzene	0.0341	ND	33.7	33.9	99.0	99.6	1000	10.0-149			0.584	31
Chlorodibromomethane	0.0341	ND	35.3	36.2	104	106	1000	12.0-147			2.70	29
Chloroethane	0.0341	ND	30.2	28.6	88.6	84.1	1000	10.0-159			5.23	33
Chloroform	0.0341	ND	34.8	34.2	102	100	1000	18.0-148			1.68	28
Chloromethane	0.0341	ND	31.1	29.9	91.4	87.7	1000	10.0-146			4.12	29
2-Chlorotoluene	0.0341	ND	39.5	37.9	116	111	1000	10.0-151			4.03	35
4-Chlorotoluene	0.0341	ND	33.3	32.4	97.7	95.0	1000	10.0-150			2.86	35
1,2-Dibromo-3-Chloropropane	0.0341	ND	38.1	38.8	112	114	1000	10.0-149			1.82	34
1,2-Dibromoethane	0.0341	ND	35.0	36.0	103	106	1000	14.0-145			2.84	28
Dibromomethane	0.0341	ND	35.0	35.5	103	104	1000	18.0-144			1.34	27
1,2-Dichlorobenzene	0.0341	ND	35.0	34.6	103	102	1000	10.0-153			1.13	34
1,3-Dichlorobenzene	0.0341	ND	34.6	33.5	102	98.3	1000	10.0-150			3.40	35
1,4-Dichlorobenzene	0.0341	ND	33.5	32.4	98.3	95.2	1000	10.0-148			3.22	34
trans-1,4-Dichloro-2-butene	0.0341	ND	40.2	40.5	118	119	1000	10.0-160			0.712	40
Dichlorodifluoromethane	0.0341	ND	32.0	30.4	93.9	89.3	1000	10.0-160			4.98	30
1,1-Dichloroethane	0.0341	ND	34.3	32.8	101	96.2	1000	19.0-148			4.73	28
1,2-Dichloroethane	0.0341	ND	33.2	32.8	97.5	96.3	1000	17.0-147			1.20	27
1,1-Dichloroethene	0.0341	ND	31.3	31.1	92.0	91.3	1000	10.0-150			0.801	31
cis-1,2-Dichloroethene	0.0341	ND	33.0	32.3	96.8	94.8	1000	16.0-145			2.13	28
trans-1,2-Dichloroethene	0.0341	ND	31.8	31.2	93.5	91.7	1000	11.0-142			1.91	29
1,2-Dichloropropane	0.0341	ND	35.3	34.9	104	102	1000	17.0-148			1.30	28
1,1-Dichloropropene	0.0341	ND	32.0	31.0	94.1	91.0	1000	10.0-150			3.29	30
1,3-Dichloropropane	0.0341	ND	33.8	34.9	99.3	102	1000	16.0-148			2.99	27
cis-1,3-Dichloropropene	0.0341	ND	33.5	34.0	98.4	99.8	1000	13.0-150			1.43	28
trans-1,3-Dichloropropene	0.0341	ND	33.4	33.9	98.0	99.6	1000	10.0-152			1.63	29
2,2-Dichloropropane	0.0341	ND	29.8	28.9	87.5	84.9	1000	16.0-143			2.98	30

L981722-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L981722-05 04/02/18 07:50 • (MS) R3299462-4 04/02/18 08:11 • (MSD) R3299462-5 04/02/18 08:32

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Di-isopropyl ether	0.0341	ND	34.6	34.1	102	100	1000	16.0-149			1.56	28
Ethylbenzene	0.0341	50.0	75.9	84.9	76.0	103	1000	10.0-147			11.2	31
Hexachloro-1,3-butadiene	0.0341	ND	35.9	35.5	105	104	1000	10.0-154			1.09	40
2-Hexanone	0.170	ND	203	228	119	134	1000	12.0-158			11.7	30
n-Hexane	0.0341	72.5	87.2	97.5	43.1	73.3	1000	10.0-140			11.2	34
Iodomethane	0.170	ND	159	157	93.3	92.0	1000	10.0-157			1.42	34
Isopropylbenzene	0.0341	ND	38.3	37.5	101	98.3	1000	10.0-147			2.25	33
p-Isopropyltoluene	0.0341	ND	38.7	36.8	112	107	1000	10.0-156			4.83	37
2-Butanone (MEK)	0.170	ND	276	293	162	172	1000	10.0-160	J5	J5	6.02	33
Methylene Chloride	0.0341	ND	32.2	31.4	94.6	92.3	1000	16.0-139			2.53	29
4-Methyl-2-pentanone (MIBK)	0.170	ND	195	213	114	125	1000	12.0-160			8.86	32
Methyl tert-butyl ether	0.0341	ND	34.6	35.5	101	104	1000	21.0-145			2.68	29
Naphthalene	0.0341	21.5	57.5	59.2	106	111	1000	10.0-153			2.92	36
n-Propylbenzene	0.0341	20.7	52.1	52.6	92.2	93.4	1000	10.0-151			0.812	34
Styrene	0.0341	ND	36.5	39.1	107	115	1000	10.0-155			6.80	34
1,1,1,2-Tetrachloroethane	0.0341	ND	35.5	35.8	104	105	1000	10.0-147			0.864	30
1,1,2,2-Tetrachloroethane	0.0341	ND	32.6	33.4	95.6	98.1	1000	10.0-155			2.57	31
Tetrachloroethene	0.0341	ND	31.9	32.3	93.8	94.7	1000	10.0-144			0.981	32
Toluene	0.0341	ND	35.2	34.6	96.5	94.6	1000	10.0-144			1.85	28
1,1,2-Trichlorotrifluoroethane	0.0341	ND	32.9	31.7	96.6	93.1	1000	10.0-153			3.73	33
1,2,3-Trichlorobenzene	0.0341	ND	36.0	36.7	106	108	1000	10.0-153			2.06	40
1,2,4-Trichlorobenzene	0.0341	ND	34.2	34.1	100	100	1000	10.0-156			0.265	40
1,1,1-Trichloroethane	0.0341	ND	33.2	32.3	97.6	94.7	1000	18.0-145			2.93	29
1,1,2-Trichloroethane	0.0341	ND	35.5	36.5	104	107	1000	12.0-151			2.54	28
Trichloroethene	0.0341	ND	36.5	35.4	107	104	1000	11.0-148			3.08	29
Trichlorofluoromethane	0.0341	ND	34.1	32.3	100	94.7	1000	10.0-157			5.55	34
1,2,3-Trichloropropane	0.0341	ND	35.3	36.2	104	106	1000	10.0-154			2.57	32
1,2,3-Trimethylbenzene	0.0341	27.1	65.6	62.5	113	104	1000	10.0-150			4.76	33
1,2,4-Trimethylbenzene	0.0341	133	179	173	133	117	1000	10.0-151			3.15	34
1,3,5-Trimethylbenzene	0.0341	39.5	78.4	75.3	114	105	1000	10.0-150			4.03	33
Vinyl acetate	0.170	ND	124	121	72.6	70.8	1000	10.0-160			2.45	40
Vinyl chloride	0.0341	ND	33.5	32.5	98.3	95.5	1000	10.0-150			2.85	29
Xylenes, Total	0.102	ND	380	387	372	379	1000	10.0-150	J5	J5	1.88	31
(S) Toluene-d8					*103*	*105*		*80.0-120*				
(S) Dibromofluoromethane					*94.0*	*93.3*		*74.0-131*				
(S) 4-Bromofluorobenzene					*93.5*	*92.1*		*64.0-132*				

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Method Blank (MB)

(MB) R3299262-3 04/01/18 22:45

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acetone	U		0.0100	0.0500
Acrylonitrile	U		0.00179	0.0100
Benzene	U		0.000270	0.00100
Bromobenzene	U		0.000284	0.00100
Bromodichloromethane	U		0.000254	0.00100
Bromochloromethane	U		0.000390	0.00500
Bromoform	U		0.000424	0.00100
Bromomethane	U		0.00134	0.00500
n-Butylbenzene	U		0.000258	0.00100
sec-Butylbenzene	U		0.000201	0.00100
tert-Butylbenzene	U		0.000206	0.00100
Carbon disulfide	U		0.000221	0.00100
Carbon tetrachloride	U		0.000328	0.00100
Chlorobenzene	U		0.000212	0.00100
Chlorodibromomethane	U		0.000373	0.00100
Chloroethane	U		0.000946	0.00500
Chloroform	U		0.000229	0.00500
Chloromethane	U		0.000375	0.00250
2-Chlorotoluene	U		0.000301	0.00100
4-Chlorotoluene	U		0.000240	0.00100
1,2-Dibromo-3-Chloropropane	U		0.00105	0.00500
1,2-Dibromoethane	U		0.000343	0.00100
Dibromomethane	U		0.000382	0.00100
1,2-Dichlorobenzene	U		0.000305	0.00100
1,3-Dichlorobenzene	U		0.000239	0.00100
1,4-Dichlorobenzene	U		0.000226	0.00100
trans-1,4-Dichloro-2-butene	U		0.000778	0.00250
Dichlorodifluoromethane	U		0.000713	0.00500
1,1-Dichloroethane	U		0.000199	0.00100
1,2-Dichloroethane	U		0.000265	0.00100
1,1-Dichloroethene	U		0.000303	0.00100
cis-1,2-Dichloroethene	U		0.000235	0.00100
trans-1,2-Dichloroethene	U		0.000264	0.00100
1,2-Dichloropropane	U		0.000358	0.00100
1,1-Dichloropropene	U		0.000317	0.00100
1,3-Dichloropropane	U		0.000207	0.00100
cis-1,3-Dichloropropene	U		0.000262	0.00100
trans-1,3-Dichloropropene	U		0.000267	0.00100
2,2-Dichloropropane	U		0.000279	0.00100
Di-isopropyl ether	U		0.000248	0.00100

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Method Blank (MB)

(MB) R3299262-3 04/01/18 22:45

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Ethylbenzene	U		0.000297	0.00100
Hexachloro-1,3-butadiene	U		0.000342	0.00100
2-Hexanone	U		0.00137	0.0100
n-Hexane	U		0.000290	0.0100
Iodomethane	U		0.00253	0.0100
Isopropylbenzene	U		0.000243	0.00100
p-Isopropyltoluene	U		0.000204	0.00100
2-Butanone (MEK)	U		0.00468	0.0100
Methylene Chloride	U		0.00100	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.00188	0.0100
Methyl tert-butyl ether	U		0.000212	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.000206	0.00100
Styrene	U		0.000234	0.00100
1,1,1,2-Tetrachloroethane	U		0.000264	0.00100
1,1,2,2-Tetrachloroethane	U		0.000365	0.00100
Tetrachloroethene	U		0.000276	0.00100
Toluene	U		0.000434	0.00500
1,1,2-Trichlorotrifluoroethane	U		0.000365	0.00100
1,2,3-Trichlorobenzene	U		0.000306	0.00100
1,2,4-Trichlorobenzene	U		0.000388	0.00100
1,1,1-Trichloroethane	U		0.000286	0.00100
1,1,2-Trichloroethane	U		0.000277	0.00100
Trichloroethene	U		0.000279	0.00100
Trichlorofluoromethane	U		0.000382	0.00500
1,2,3-Trichloropropane	U		0.000741	0.00250
1,2,3-Trimethylbenzene	U		0.000287	0.00100
1,2,4-Trimethylbenzene	U		0.000211	0.00100
1,3,5-Trimethylbenzene	U		0.000266	0.00100
Vinyl acetate	U		0.00239	0.0100
Vinyl chloride	U		0.000291	0.00100
Xylenes, Total	U		0.000698	0.00300
(S) Toluene-d8	*110*			*80.0-120*
(S) Dibromofluoromethane	*98.1*			*74.0-131*
(S) 4-Bromofluorobenzene	*88.2*			*64.0-132*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3299262-1 04/01/18 21:26 • (LCSD) R3299262-2 04/01/18 21:46

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.125	0.0489	0.0527	39.1	42.2	11.0-160			7.57	23
Acrylonitrile	0.125	0.111	0.114	89.2	91.3	61.0-143			2.39	20
Benzene	0.0250	0.0246	0.0250	98.5	99.9	71.0-124			1.46	20
Bromobenzene	0.0250	0.0232	0.0226	92.9	90.3	78.0-120			2.80	20
Bromodichloromethane	0.0250	0.0220	0.0226	88.1	90.3	75.0-120			2.48	20
Bromochloromethane	0.0250	0.0273	0.0278	109	111	80.0-121			2.02	20
Bromoform	0.0250	0.0194	0.0196	77.7	78.5	65.0-133			1.04	20
Bromomethane	0.0250	0.0233	0.0237	93.3	94.9	26.0-160			1.62	20
n-Butylbenzene	0.0250	0.0267	0.0261	107	105	73.0-126			2.19	20
sec-Butylbenzene	0.0250	0.0275	0.0266	110	106	75.0-121			3.44	20
tert-Butylbenzene	0.0250	0.0269	0.0262	108	105	74.0-122			2.85	20
Carbon disulfide	0.0250	0.0206	0.0220	82.5	87.9	53.0-130			6.28	20
Carbon tetrachloride	0.0250	0.0240	0.0245	96.2	98.1	66.0-123			1.96	20
Chlorobenzene	0.0250	0.0293	0.0289	117	116	79.0-121			1.50	20
Chlorodibromomethane	0.0250	0.0245	0.0238	98.1	95.3	74.0-128			2.86	20
Chloroethane	0.0250	0.0224	0.0232	89.7	92.8	51.0-147			3.38	20
Chloroform	0.0250	0.0237	0.0241	94.7	96.5	73.0-123			1.87	20
Chloromethane	0.0250	0.0192	0.0193	77.0	77.1	51.0-138			0.227	20
2-Chlorotoluene	0.0250	0.0251	0.0245	100	97.9	72.0-124			2.46	20
4-Chlorotoluene	0.0250	0.0256	0.0248	102	99.3	78.0-120			2.90	20
1,2-Dibromo-3-Chloropropane	0.0250	0.0225	0.0234	90.1	93.7	65.0-126			3.96	20
1,2-Dibromoethane	0.0250	0.0276	0.0275	111	110	78.0-122			0.441	20
Dibromomethane	0.0250	0.0231	0.0244	92.4	97.5	79.0-120			5.37	20
1,2-Dichlorobenzene	0.0250	0.0276	0.0268	111	107	80.0-120			2.92	20
1,3-Dichlorobenzene	0.0250	0.0283	0.0273	113	109	72.0-123			3.56	20
1,4-Dichlorobenzene	0.0250	0.0275	0.0267	110	107	77.0-120			2.82	20
trans-1,4-Dichloro-2-butene	0.0250	0.0225	0.0235	90.0	93.9	68.0-126			4.23	20
Dichlorodifluoromethane	0.0250	0.0175	0.0164	70.0	65.6	49.0-155			6.57	20
1,1-Dichloroethane	0.0250	0.0245	0.0250	97.9	100	70.0-128			2.11	20
1,2-Dichloroethane	0.0250	0.0233	0.0239	93.0	95.5	69.0-128			2.59	20
1,1-Dichloroethene	0.0250	0.0224	0.0236	89.5	94.2	63.0-131			5.16	20
cis-1,2-Dichloroethene	0.0250	0.0240	0.0248	96.2	99.1	74.0-123			2.97	20
trans-1,2-Dichloroethene	0.0250	0.0239	0.0244	95.4	97.8	72.0-122			2.43	20
1,2-Dichloropropane	0.0250	0.0246	0.0246	98.5	98.4	75.0-126			0.125	20
1,1-Dichloropropene	0.0250	0.0255	0.0259	102	104	72.0-130			1.85	20
1,3-Dichloropropane	0.0250	0.0279	0.0268	111	107	80.0-121			3.91	20
cis-1,3-Dichloropropene	0.0250	0.0267	0.0268	107	107	80.0-125			0.500	20
trans-1,3-Dichloropropene	0.0250	0.0261	0.0259	104	104	75.0-129			0.474	20
2,2-Dichloropropane	0.0250	0.0241	0.0232	96.4	92.8	60.0-129			3.81	20
Di-isopropyl ether	0.0250	0.0197	0.0200	78.7	80.2	62.0-133			1.87	20

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3299262-1 04/01/18 21:26 • (LCSD) R3299262-2 04/01/18 21:46

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Ethylbenzene	0.0250	0.0282	0.0273	113	109	77.0-120			3.03	20
Hexachloro-1,3-butadiene	0.0250	0.0298	0.0295	119	118	68.0-128			1.00	20
2-Hexanone	0.125	0.119	0.120	95.2	96.0	61.0-143			0.827	20
n-Hexane	0.0250	0.0224	0.0228	89.4	91.0	57.0-125			1.80	20
Iodomethane	0.125	0.136	0.140	109	112	67.0-132			2.88	20
Isopropylbenzene	0.0250	0.0239	0.0234	95.7	93.7	75.0-120			2.10	20
p-Isopropyltoluene	0.0250	0.0272	0.0264	109	105	74.0-125			3.08	20
2-Butanone (MEK)	0.125	0.0708	0.0743	56.7	59.4	37.0-159			4.75	20
Methylene Chloride	0.0250	0.0235	0.0243	93.8	97.3	67.0-123			3.61	20
4-Methyl-2-pentanone (MIBK)	0.125	0.111	0.113	88.5	90.3	60.0-144			2.06	20
Methyl tert-butyl ether	0.0250	0.0228	0.0242	91.4	96.9	66.0-125			5.82	20
Naphthalene	0.0250	0.0261	0.0270	105	108	64.0-125			3.29	20
n-Propylbenzene	0.0250	0.0254	0.0245	102	98.2	78.0-120			3.61	20
Styrene	0.0250	0.0253	0.0248	101	99.1	78.0-124			1.99	20
1,1,1,2-Tetrachloroethane	0.0250	0.0265	0.0258	106	103	74.0-124			2.67	20
1,1,2,2-Tetrachloroethane	0.0250	0.0222	0.0224	88.9	89.5	73.0-120			0.645	20
Tetrachloroethene	0.0250	0.0299	0.0285	120	114	70.0-127			4.92	20
Toluene	0.0250	0.0268	0.0264	107	106	77.0-120			1.22	20
1,1,2-Trichlorotrifluoroethane	0.0250	0.0234	0.0250	93.4	99.8	64.0-135			6.63	20
1,2,3-Trichlorobenzene	0.0250	0.0318	0.0320	127	128	68.0-126	J4	J4	0.776	20
1,2,4-Trichlorobenzene	0.0250	0.0325	0.0322	130	129	70.0-127	J4	J4	0.733	20
1,1,1-Trichloroethane	0.0250	0.0219	0.0226	87.7	90.2	69.0-125			2.87	20
1,1,2-Trichloroethane	0.0250	0.0270	0.0262	108	105	78.0-120			2.83	20
Trichloroethene	0.0250	0.0278	0.0277	111	111	79.0-120			0.350	20
Trichlorofluoromethane	0.0250	0.0272	0.0286	109	115	59.0-136			5.25	20
1,2,3-Trichloropropane	0.0250	0.0227	0.0228	90.7	91.1	73.0-124			0.447	20
1,2,3-Trimethylbenzene	0.0250	0.0282	0.0274	113	110	76.0-120			2.68	20
1,2,4-Trimethylbenzene	0.0250	0.0255	0.0249	102	99.7	75.0-120			2.51	20
1,3,5-Trimethylbenzene	0.0250	0.0256	0.0250	102	100	75.0-120			2.47	20
Vinyl acetate	0.125	0.103	0.108	82.4	86.1	58.0-156			4.44	20
Vinyl chloride	0.0250	0.0232	0.0232	92.9	92.8	63.0-134			0.116	20
Xylenes, Total	0.0750	0.0854	0.0830	114	111	77.0-120			2.85	20
(S) Toluene-d8				*110*	*108*	*80.0-120*				
(S) Dibromofluoromethane				*99.0*	*99.4*	*74.0-131*				
(S) 4-Bromofluorobenzene				*88.7*	*88.6*	*64.0-132*				

L981944-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L981944-02 04/02/18 05:32 • (MS) R3299262-4 04/02/18 05:51 • (MSD) R3299262-5 04/02/18 06:11

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acetone	0.141	ND	77.4	78.4	54.9	55.6	1000	10.0-160			1.35	36
Acrylonitrile	0.141	ND	88.8	92.8	63.0	65.8	1000	14.0-160			4.48	33
Benzene	0.0282	ND	19.9	20.7	70.6	73.5	1000	13.0-146			4.09	27
Bromobenzene	0.0282	ND	19.5	20.6	69.3	73.2	1000	10.0-149			5.53	33
Bromodichloromethane	0.0282	ND	18.5	19.9	65.7	70.7	1000	15.0-142			7.31	28
Bromochloromethane	0.0282	ND	22.6	23.2	80.2	82.1	1000	24.0-146			2.43	27
Bromoform	0.0282	ND	14.9	16.3	52.8	57.8	1000	10.0-147			9.02	31
Bromomethane	0.0282	ND	18.5	19.6	65.7	69.5	1000	10.0-160			5.58	32
n-Butylbenzene	0.0282	7.22	24.8	27.0	62.3	70.2	1000	10.0-154			8.60	37
sec-Butylbenzene	0.0282	3.81	23.5	25.4	69.8	76.4	1000	10.0-151			7.61	36
tert-Butylbenzene	0.0282	ND	20.8	21.8	73.9	77.2	1000	10.0-152			4.47	35
Carbon disulfide	0.0282	ND	15.0	15.6	53.2	55.2	1000	10.0-141			3.62	30
Carbon tetrachloride	0.0282	ND	18.8	20.1	66.7	71.3	1000	13.0-140			6.76	30
Chlorobenzene	0.0282	ND	23.0	25.7	81.7	91.3	1000	10.0-149			11.1	31
Chlorodibromomethane	0.0282	ND	18.6	21.0	66.1	74.3	1000	12.0-147			11.7	29
Chloroethane	0.0282	ND	18.0	18.8	63.8	66.8	1000	10.0-159			4.62	33
Chloroform	0.0282	ND	19.6	20.4	69.4	72.2	1000	18.0-148			3.92	28
Chloromethane	0.0282	ND	16.8	17.3	59.6	61.2	1000	10.0-146			2.59	29
2-Chlorotoluene	0.0282	ND	25.7	28.5	91.1	101	1000	10.0-151			10.2	35
4-Chlorotoluene	0.0282	ND	20.0	21.1	71.0	75.0	1000	10.0-150			5.47	35
1,2-Dibromo-3-Chloropropane	0.0282	ND	17.6	19.2	62.5	68.2	1000	10.0-149			8.69	34
1,2-Dibromoethane	0.0282	ND	22.1	23.4	78.5	82.9	1000	14.0-145			5.45	28
Dibromomethane	0.0282	ND	18.9	19.7	67.1	69.9	1000	18.0-144			3.99	27
1,2-Dichlorobenzene	0.0282	ND	21.3	22.8	75.7	80.8	1000	10.0-153			6.54	34
1,3-Dichlorobenzene	0.0282	ND	21.8	22.7	77.4	80.3	1000	10.0-150			3.69	35
1,4-Dichlorobenzene	0.0282	ND	20.9	22.0	74.2	78.2	1000	10.0-148			5.21	34
trans-1,4-Dichloro-2-butene	0.0282	28.1	18.4	19.7	0.000	0.000	1000	10.0-160	J6	J6	6.45	40
Dichlorodifluoromethane	0.0282	ND	21.9	23.7	77.8	84.0	1000	10.0-160			7.77	30
1,1-Dichloroethane	0.0282	ND	20.0	20.7	70.9	73.4	1000	19.0-148			3.55	28
1,2-Dichloroethane	0.0282	ND	19.1	19.7	67.8	69.8	1000	17.0-147			3.01	27
1,1-Dichloroethene	0.0282	ND	18.4	19.4	65.1	68.9	1000	10.0-150			5.67	31
cis-1,2-Dichloroethene	0.0282	ND	20.3	20.7	71.8	73.3	1000	16.0-145			2.11	28
trans-1,2-Dichloroethene	0.0282	ND	18.7	19.7	66.3	70.0	1000	11.0-142			5.39	29
1,2-Dichloropropane	0.0282	ND	20.0	20.1	71.0	71.4	1000	17.0-148			0.588	28
1,1-Dichloropropene	0.0282	ND	20.3	21.7	72.1	76.9	1000	10.0-150			6.42	30
1,3-Dichloropropane	0.0282	ND	21.4	23.4	76.0	83.1	1000	16.0-148			8.94	27
cis-1,3-Dichloropropene	0.0282	ND	20.9	22.3	74.0	79.1	1000	13.0-150			6.58	28
trans-1,3-Dichloropropene	0.0282	ND	20.2	21.9	71.8	77.7	1000	10.0-152			7.90	29
2,2-Dichloropropane	0.0282	ND	17.5	18.6	62.1	65.8	1000	16.0-143			5.74	30

L981944-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L981944-02 04/02/18 05:32 • (MS) R3299262-4 04/02/18 05:51 • (MSD) R3299262-5 04/02/18 06:11

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Di-isopropyl ether	0.0282	ND	16.3	17.0	57.7	60.1	1000	16.0-149			4.10	28
Ethylbenzene	0.0282	9.40	28.3	32.4	67.0	81.7	1000	10.0-147			13.7	31
Hexachloro-1,3-butadiene	0.0282	ND	20.2	21.2	71.5	75.2	1000	10.0-154			5.05	40
2-Hexanone	0.141	ND	112	121	77.7	84.2	1000	12.0-158			7.83	30
n-Hexane	0.0282	ND	16.2	16.9	55.5	57.8	1000	10.0-140			4.08	34
Iodomethane	0.141	ND	107	112	76.1	79.5	1000	10.0-157			4.46	34
Isopropylbenzene	0.0282	4.20	22.1	24.4	63.6	71.5	1000	10.0-147			9.63	33
p-Isopropyltoluene	0.0282	2.46	23.1	23.7	73.3	75.4	1000	10.0-156			2.62	37
2-Butanone (MEK)	0.141	ND	82.9	88.3	58.8	62.6	1000	10.0-160			6.34	33
Methylene Chloride	0.0282	ND	19.5	20.3	69.1	72.0	1000	16.0-139			4.02	29
4-Methyl-2-pentanone (MIBK)	0.141	ND	95.6	104	67.8	74.0	1000	12.0-160			8.83	32
Methyl tert-butyl ether	0.0282	ND	19.5	20.1	69.1	71.3	1000	21.0-145			3.12	29
Naphthalene	0.0282	21.2	37.9	42.8	59.2	76.3	1000	10.0-153			12.0	36
n-Propylbenzene	0.0282	10.6	27.7	31.3	60.9	73.6	1000	10.0-151			12.1	34
Styrene	0.0282	ND	20.3	20.9	72.1	74.0	1000	10.0-155			2.61	34
1,1,1,2-Tetrachloroethane	0.0282	ND	20.7	22.4	73.5	79.3	1000	10.0-147			7.61	30
1,1,2,2-Tetrachloroethane	0.0282	ND	17.9	18.9	63.5	66.8	1000	10.0-155			5.13	31
Tetrachloroethene	0.0282	ND	22.3	24.4	79.1	86.5	1000	10.0-144			8.89	32
Toluene	0.0282	9.66	27.8	31.8	64.2	78.6	1000	10.0-144			13.6	28
1,1,2-Trichlorotrifluoroethane	0.0282	ND	19.9	20.2	70.7	71.7	1000	10.0-153			1.40	33
1,2,3-Trichlorobenzene	0.0282	ND	23.5	24.0	83.2	85.2	1000	10.0-153			2.42	40
1,2,4-Trichlorobenzene	0.0282	ND	22.7	23.6	80.4	83.8	1000	10.0-156			4.18	40
1,1,1-Trichloroethane	0.0282	ND	18.2	18.9	64.4	67.1	1000	18.0-145			4.11	29
1,1,2-Trichloroethane	0.0282	ND	23.6	25.8	83.6	91.4	1000	12.0-151			8.95	28
Trichloroethene	0.0282	ND	22.3	24.3	78.9	86.2	1000	11.0-148			8.86	29
Trichlorofluoromethane	0.0282	ND	22.1	23.6	78.4	83.8	1000	10.0-157			6.69	34
1,2,3-Trichloropropane	0.0282	ND	18.1	19.4	64.3	68.9	1000	10.0-154			6.90	32
1,2,3-Trimethylbenzene	0.0282	70.6	75.5	89.9	17.3	68.3	1000	10.0-150			17.4	33
1,2,4-Trimethylbenzene	0.0282	267	218	274	0.000	25.9	1000	10.0-151	E V	E	22.6	34
1,3,5-Trimethylbenzene	0.0282	77.0	77.7	94.5	2.61	62.1	1000	10.0-150	J6		19.5	33
Vinyl acetate	0.141	ND	57.6	57.2	40.9	40.6	1000	10.0-160			0.703	40
Vinyl chloride	0.0282	ND	19.9	21.1	70.5	74.8	1000	10.0-150			5.88	29
Xylenes, Total	0.0846	486	415	536	0.000	58.7	1000	10.0-150	V	E	25.4	31
(S) Toluene-d8					*108*	*111*		*80.0-120*				
(S) Dibromofluoromethane					*96.0*	*95.2*		*74.0-131*				
(S) 4-Bromofluorobenzene					*91.9*	*94.1*		*64.0-132*				

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Abbreviations and Definitions

(dry)	Results are reported based on the dry weight of the sample. [this will only be present on a dry report basis for soils].
MDL	Method Detection Limit.
MDL (dry)	Method Detection Limit.
RDL	Reported Detection Limit.
RDL (dry)	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state "ND" (Not Detected) or "BDL" (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
B	The same analyte is found in the associated blank.
E	The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL).
J	The identification of the analyte is acceptable; the reported value is an estimate.
J0	J0: Calibration verification outside of acceptance limits. Result is estimated.
J3	The associated batch QC was outside the established quality control range for precision.
J4	The associated batch QC was outside the established quality control range for accuracy.
J5	The sample matrix interfered with the ability to make any accurate determination; spike value is high.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.
V	The sample concentration is too high to evaluate accurate spike recoveries.

ACCREDITATIONS & LOCATIONS

ESC Lab Sciences is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our one location design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be YOUR LAB OF CHOICE.

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by ESC Lab Sciences.

State Accreditations

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN-03-2002-34
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	n/a
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO00356
Kentucky [1,6]	90010	South Carolina	84004
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1,4]	2006
Louisiana [1]	LA180010	Texas	T 104704245-17-14
Maine	TN0002	Texas [5]	LAB0152
Maryland	324	Utah	TN00003
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	460132
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	9980939910
Montana	CERT0086	Wyoming	A2LA

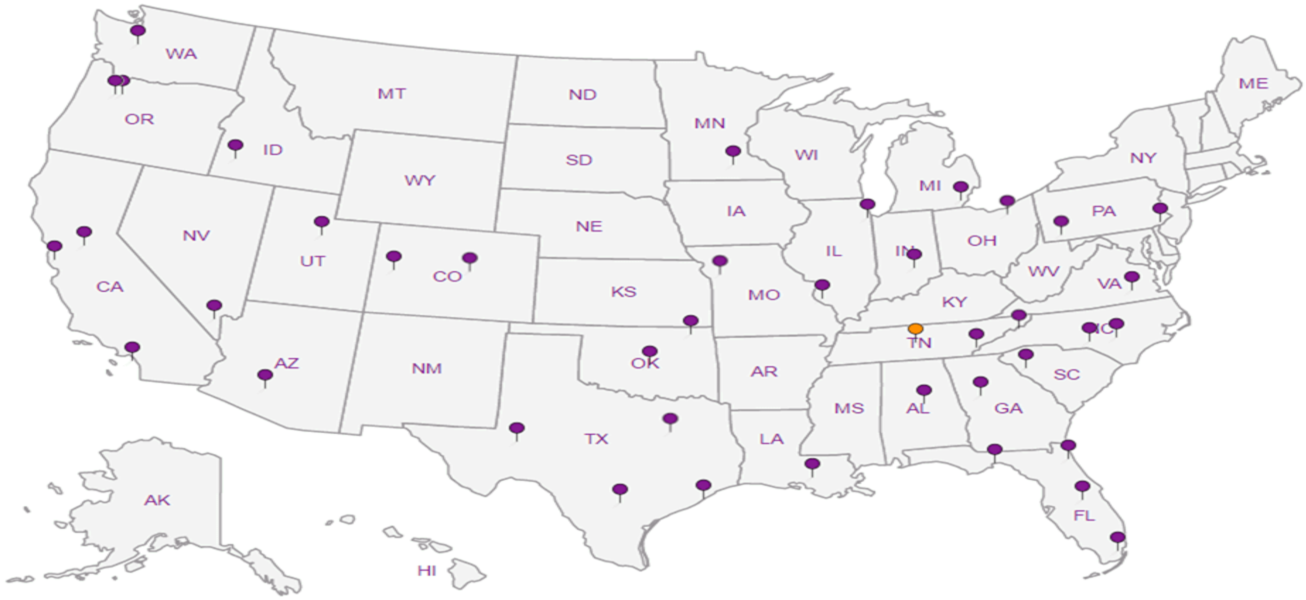
Third Party Federal Accreditations

A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

Our Locations

ESC Lab Sciences has sixty-four client support centers that provide sample pickup and/or the delivery of sampling supplies. If you would like assistance from one of our support offices, please contact our main office. ESC Lab Sciences performs all testing at our central laboratory.



PES Environmental, Inc.- WA

1215 Fourth Ave., Suite 1350
Seattle, WA 98161

Billing Information:
Attn: Accounts Payable
1215 Fourth Ave., Ste. 1350
Seattle, WA 98161

Pres Chk

Report to:
Brian O'Neal/Bill Haldeman

Email To: boneal@pesenv.com; bhaldeman@pesenv.com

Project Description:

City/State Collected: Seattle WA

Phone: 206-529-3980
Fax: 206-529-3985

Client Project #: 1413.001.05.601

Lab Project #: PESENVSWA-ALP

Collected by (print): Dan Johnson

Site/Facility ID #:

P.O. #:

Collected by (signature): Dan Johnson

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #:

Date Results Needed:

Immediately Packed on Ice N ___ Y X

Chain of Custody Page ___ of ___

ESC
LAB SCIENCES
a subsidiary of Pace Analytical

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# L981889

C090

Table #:

Acctnum: PESENVSWA
Template: T134174
Prelogin: P645177
TSR: 110 - Brian Ford
PB:
Shipped Via:

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260C VOCs 40ml/NaHS04/Syr/MeOH	dry wt,voc screen 2ozClr-NoPres	Remarks	Sample # (lab only)
B-244-5	Grab	SS	5	3-28-18	0919	5	X	X		-01
B-244-10		SS	10		0946		X	X		02
B-244-15		SS	15		0954		X	X		03
B-244-20		SS	20		1003		X	X		04
B-244-25		SS	25		1011		X	X		05
B-244-30		SS	30		1032		X	X		06
B-244-35		SS	35		1041		X	X		07
B-244-40		SS	40		1049		X	X		08
B-244-42		SS	42		1055		X	X		09
B-244-45	X	SS	45	X	1102	X	X	X		10

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_______

Remarks:

pH _______ Temp _______
Flow _______ Other _______

Samples returned via:
___ UPS X FedEx ___ Courier ___

Tracking # 4269 9212 5345

Sample Receipt Checklist
COC Seal Present/Intact: ___NP ✓ Y ___N
COC Signed/Accurate: ✓ Y ___N
Bottles arrive intact: ✓ Y ___N
Correct bottles used: ✓ Y ___N
Sufficient volume sent: ✓ Y ___N
If Applicable
VOA Zero Headspace: ✓ Y ___N
Preservation Correct/Checked: ___Y ___N

Relinquished by: (Signature) R. McLaughlin
Date: 3/29/18
Time: 1550
Received by: (Signature)

Trip Blank Received: [✓ Yes] / No
[✓ HCl] / MeoH
TBR
2XTB

Relinquished by: (Signature)
Date:
Time:
Received by: (Signature)

Temp: 2.2 °C
Bottles Received: 225

If preservation required by Login: Date/Time

Relinquished by: (Signature)
Date:
Time:
Received for lab by: (Signature) 841

Date: 3/30/18
Time: 0845

Hold:

Condition: NCF / [✓ OK]

PES Environmental, Inc.- WA

1215 Fourth Ave., Suite 1350
Seattle, WA 98161

Billing Information:

Attn: Accounts Payable
1215 Fourth Ave., Ste. 1350
Seattle, WA 98161

Pres Chk

Analysis / Container / Preservative

Chain of Custody Page ___ of ___

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Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

Report to: **Brian O'Neal/Bill Haldeman**

Email To: **boneal@pesenv.com; bhaldeman@pesenv.com**

Project Description:

City/State Collected: Seattle WA

L# L981889

Phone: **206-529-3980**
Fax: **206-529-3985**

Client Project # **1413.001.05.601**

Lab Project # **PESENVSWA-ALP**

Table #

Acctnum: **PESENVSWA**

Template: **T134174**

Prelogin: **P645177**

TSR: **110 - Brian Ford**

PB:

Shipped Via:

Site/Facility ID #

P.O. #

Quote #

Collected by (print): Dan Johnson

Collected by (signature): Dan Johnson

Immediately Packed on Ice N ___ Y X

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Date Results Needed

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260C VOCs 40ml/NaHS04/Syr/MeOH	dry wt,voc screen 2ozClr-NoPres									Remarks	Sample # (lab only)
B-244-50	Grab	SS	50	3-28-18	1114	5	X	X										11
B-244-55		SS	55		1121		X	X										12
B-244-60		SS	60		1132		X	X										13
B-244-65		SS	65		1151		X	X										14
B-244-70		SS	70		1250		X	X										15
B-244-75		SS	75		1305		X	X										16
B-244-80		SS	80		1313		X	X										17
IW-907-70	X	SS	70	X	1145	X	X	X										18
TRIP BLANK	X	~~SS~~	—	05-1-17	—	1	X											19
		SS																

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other________

Remarks:

pH ______ Temp ______

Flow ______ Other ______

Samples returned via:
__ UPS X FedEx __ Courier ______

Tracking # 4196 3259 1102 / 4269 9212 5345

Sample Receipt Checklist
COC Seal Present/Intact: __NP ~~Y~~ __N
COC Signed/Accurate: ✓Y __N
Bottles arrive intact: ✓Y __N
Correct bottles used: ✓Y __N
Sufficient volume sent: ✓Y __N
If Applicable
VOA Zero Headspace: ✓Y __N
Preservation Correct/Checked: ✓Y __N

Trip Blank Received: [✓ Yes] / No
[✓ HCl] / MeoH
TBR
2XTB

Relinquished by : (Signature) R T McLaughlin

Date: 3-29-18

Time: 1530

Received by: (Signature)

Temp: [illegible] °C

Bottles Received: 225

If preservation required by Login: Date/Time

Relinquished by : (Signature)

Date:

Time:

Received by: (Signature)

Relinquished by : (Signature)

Date:

Time:

Received for lab by: (Signature) 841

Date: 3/30/18

Time: 0845

Hold:

Condition: NCF / [✓ OK]

PES Environmental, Inc.- WA

1215 Fourth Ave., Suite 1350
Seattle, WA 98161

Billing Information:
Attn: Accounts Payable
1215 Fourth Ave., Ste. 1350
Seattle, WA 98161

Pres Chk

Report to:
Brian O'Neal/Bill Haldeman

Email To: boneal@pesenv.com; bhaldeman@pesenv.com

Project Description: American Linen Project

City/State Collected: Seattle WA

Phone: 206-529-3980
Fax: 206-529-3985

Client Project # 1413.001.05.601

Lab Project # PESENVSWA-ALP

Collected by (print): Dan Johnson

Site/Facility ID #

P.O. #

Collected by (signature): Dan Johnson

Immediately Packed on Ice N ___ Y X

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Chain of Custody Page ___ of ___

ESC L·A·B S·C·I·E·N·C·E·S

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Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# L981889

Table #

Acctnum: **PESENVSWA**
Template: **T134189**
Prelogin: **P645236**
TSR: 110 - Brian Ford
PB: 3-22-18

Shipped Via: **FedEX Ground**

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	NWTPHGX 40ml/NaHS04/Syr/MeOH	VOCs V8260C 40ml/NaHS04/Syr/MeOH	dry wt, voc screen 2ozClr-NoPres									Remarks	Sample # (lab only)
B-245-5	Grab	SS	5	3/28/18	1526	5	X	X	X										20
B-245-10		SS	10		1545														21
B-245-15		SS	15		1555														22
B-245-20		SS	20		1603														23
B-245-25		SS	25		1613														24
B-245-30		SS	30	3/29/18	0813														25
B-245-35		SS	35		0837														26
B-245-40		SS	40		0843														27
B-245-45		SS	45		~~0854~~ 905														28
B-245-50	X	SS	50	X	~~0905~~ 0914 (RM)	X		X	X										29

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other ______

Remarks:

pH ______ Temp ______
Flow ______ Other ______

Samples returned via:
__ UPS [✓ FedEx] __ Courier ______

Tracking # 4196 3259 1102

Sample Receipt Checklist
COC Seal Present/Intact: __ NP ✓ Y __ N
COC Signed/Accurate: ✓ Y __ N
Bottles arrive intact: ✓ Y __ N
Correct bottles used: ✓ Y __ N
Sufficient volume sent: ✓ Y __ N
If Applicable
VOA Zero Headspace: ✓ Y __ N
Preservation Correct/Checked: __ Y __ N

Relinquished by : (Signature) R. T. McLaughlin	Date: 3/29/18	Time: 1530	Received by: (Signature)	Trip Blank Received: [✓ Yes] / No [✓ HCL] / MeoH TBR 2x TB	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: [illegible] °C	Bottles Received: 225
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 3/30/18	Time: 0845

If preservation required by Login: Date/Time

Hold:

Condition: NCF / [✓ OK]

PES Environmental, Inc.- WA

1215 Fourth Ave., Suite 1350
Seattle, WA 98161

Billing Information:
Attn: Accounts Payable
1215 Fourth Ave., Ste. 1350
Seattle, WA 98161

Pres Chk

Analysis / Container / Preservative

Chain of Custody Page ___ of ___

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a subsidiary of Pace Analytical

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

Report to:
Brian O'Neal/Bill Haldeman

Email To: boneal@pesenv.com; bhaldeman@pesenv.com

Project Description: American Linen Project

City/State Collected: Seattle WA

L# L981889

Phone: 206-529-3980
Fax: 206-529-3985

Client Project #
1413.001.05.601

Lab Project #
PESENVSWA-ALP

Table #

Collected by (print): Dan Johnson

Site/Facility ID #

P.O. #

Acctnum: **PESENVSWA**
Template: **T134189**
Prelogin: **P645236**
TSR: **110 - Brian Ford**
PB: 3-22-18

Collected by (signature): Dan Johnson

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Immediately Packed on Ice N ___ Y X

Shipped Via: **FedEX Ground**

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	NWTPHGX 40ml/NaHS04/Syr/MeOH	VOCs V8260C 40ml/NaHS04/Syr/MeOH	dry wt, voc screen 2ozClr-NoPres								Remarks	Sample # (lab only)
B-245-55		SS		3/29/18	0923	5		X	X									30
B-245-60		SS			0934													31
B-245-65		SS			0942													32
B-245-70		SS			1008													33
B-245-75		SS			1015													34
B-245-80		SS			1027			X	X									35
		SS																
		SS																
		SS																
		SS																

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other ________

Remarks:

pH ______ Temp ______

Flow ______ Other ______

Samples returned via:
___ UPS X FedEx ___ Courier ___ ______

Tracking # 419632591102

Sample Receipt Checklist
COC Seal Present/Intact: _NP ✓Y _N
COC Signed/Accurate: ✓Y _N
Bottles arrive intact: ✓Y _N
Correct bottles used: ✓Y _N
Sufficient volume sent: ✓Y _N
If Applicable
VOA Zero Headspace: ✓Y _N
Preservation Correct/Checked: _Y _N

Relinquished by : (Signature) R. T. McLaughlin

Date: 3/29/18

Time: 1530

Received by: (Signature)

Trip Blank Received: [✓ Yes] No
[✓ HCL] / MeoH
TBR
2XTB

Relinquished by : (Signature)

Date:

Time:

Received by: (Signature)

Temp: [illegible] °C

Bottles Received: 225

If preservation required by Login: Date/Time

Relinquished by : (Signature)

Date:

Time:

Received for lab by: (Signature)

Date: 3/30/18

Time: 0845

Hold:

Condition: NCF / [✓ OK]

PES Environmental, Inc.- WA

1215 Fourth Ave., Suite 1350
Seattle, WA 98161

Billing information:
Attn: Accounts Payable
1215 Fourth Ave., Ste. 1350
Seattle, WA 98161

Pres Chk

Chain of Custody Page ___ of ___

ESC LAB SCIENCES

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

Report to: **Brian O'Neal/Bill Haldeman**

Email To: boneal@pesenv.com; bhaldeman@pesenv.com

Project Description: American Linen Project

City/State Collected: Seattle WA

Phone: 206-529-3980
Fax: 206-529-3985

Client Project # **1413.001.05.601**

Lab Project # **PESENVSWA-ALP**

L# L981889

Table #

Collected by (print): Rachel McLaughlin

Site/Facility ID #

P.O. #

Acctnum: **PESENVSWA**
Template: **T134174**
Prelogin: **P645177**
TSR: **110 - Brian Ford**
PB:
Shipped Via:

Collected by (signature): R.T. McLaughlin

Immediately Packed on Ice N ___ Y X

Rush? (Lab MUST Be Notified)
___ Same Day X Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260C VOCs 40ml/NaHS04/Syr/MeOH	dry wt,voc screen 2ozClr-NoPres	Remarks	Sample # (lab only)
MW-153-10	Grab	SS	10	3/27/18	1045	5	X	X	3/30/18	~~-11~~ 36
MW-153-20		SS	20		1120					~~-12~~ 37
MW-153-30		SS	30		1145					~~-13~~ 38
MW-153-40		SS	40		1205					~~-14~~ 39
MW-153-50		SS	50		1235					~~-15~~ 40
MW-153-60 (RM)		SS	60		1315					~~-16~~ 41
MW-153-70		SS	70	X	1340					~~-17~~ 42
MW-153-80		SS	80	3/28/18	1110					~~-18~~ 43
MW-153-90		SS	90		1135					~~-19~~ 44
MW-153-110	X	SS	110	X	1257					~~-20~~ 45

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other________

Remarks: Tier 2 QA/QC needed (batch QC ok)
Email copy of Data OK

pH ______ Temp ______

Flow ______ Other ______

Samples returned via:
__ UPS X FedEx __ Courier __ ______

Tracking # 4269 9212 5345

Sample Receipt Checklist
COC Seal Present/Intact: NP __Y __N
COC Signed/Accurate: ✓Y __N
Bottles arrive intact: ✓Y __N
Correct bottles used: ✓Y __N
Sufficient volume sent: ✓Y __N
If Applicable
VOA Zero Headspace: ✓Y __N
Preservation Correct/Checked: __Y __N

Relinquished by : (Signature) R.T. McLaughlin
Date: 3/29/18
Time: 1550
Received by: (Signature)

Trip Blank Received: [✓ Yes] / No
[✓ HCL] / MeoH
TBR
2XTB

Relinquished by : (Signature)
Date:
Time:
Received by: (Signature)

Temp: 2.~~1~~2 °C
Bottles Received: 225

If preservation required by Login: Date/Time

Relinquished by : (Signature)
Date:
Time:
Received for lab by: (Signature)

Date: 3/30/18
Time: 0845

Hold:

Condition: NCF / [✓ OK]

PES Environmental, Inc.- WA

1215 Fourth Ave., Suite 1350
Seattle, WA 98161

Billing Information:
Attn: Accounts Payable
1215 Fourth Ave., Ste. 1350
Seattle, WA 98161

Pres Chk

Chain of Custody Page ___ of ___

ESC LAB SCIENCES

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

Report to: Bill Haldeman/Brian ONeal

Email To: bhaldeman@pesenv.com
boneal@pesenv.com

Project Description: American Linen Project

City/State Collected: Seattle WA

Phone: 206-529-3980
Fax: 206-529-3985

Client Project # 1413.001.~~02.602~~ 05.601

Lab Project # PESENVSWA-ALP

Collected by (print): Rachel M

Site/Facility ID #

P.O. #

Collected by (signature): R.T. McLaughlin

Immediately Packed on Ice N ___ Y X

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

L# L981889

Table #

Acctnum: **PESENVSWA**
Template: **T130006**
Prelogin: **P638152**
TSR: **110 - Brian Ford**
PB:
Shipped Via:

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260C VOCs 40ml/NaHS04/Syr/MeOH	dry wt/voc screen 2ozClr-NoPres	Remarks	Sample # (lab only)
MW-153-130	Grab	SS	130	3/29/18	1019	5	X	X	N 3/30/18	~~21~~ 46
TRIP BLANK	G	—	—	9/20/17	—	1	X			~~22~~ 47

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other ________

Remarks: Tier 2 QA/QC required (Batch QC OK)
Email copy of data OK

pH ______ Temp ______
Flow ______ Other ______

Samples returned via:
__ UPS X FedEx __ Courier __ ______

Tracking # 4249 9212 5345

Trip Blank Received: [✓ Yes] / No
[✓ HCl] / MeOH
TBR
2XTB

Sample Receipt Checklist
COC Seal Present/Intact: __NP __Y __N
COC Signed/Accurate: [✓ Y] __N
Bottles arrive intact: [✓ Y] __N
Correct bottles used: [✓ Y] __N
Sufficient volume sent: [✓ Y] __N
If Applicable
VOA Zero Headspace: [✓ Y] __N
Preservation Correct/Checked: __Y __N

Relinquished by : (Signature) R.T. McLaughlin | Date: 3/29/18 | Time: 1550 | Received by: (Signature)

Relinquished by : (Signature) | Date: | Time: | Received by: (Signature)

Temp: 2.4 °C Bottles Received: 22S

If preservation required by Login: Date/Time

Relinquished by : (Signature) | Date: | Time: | Received for lab by: (Signature)

Date: 3/30/18 Time: 0845

Hold:

Condition: NCF / [✓ OK]

From: Bill Haldeman <bhaldeman@pesenv.com>
Sent: Thursday, March 29, 2018 7:27 PM
To: Brian Ford
Cc: Rachel T. McLaughlin
Subject: American Linen Sample B-245-5

Brian, can ESC remove the request for NWTPH-Gx analysis for the above sample? It was erroneously checked on the COC. Thanks! -Bill

Bill Haldeman
PES Environmental, Inc.
1215 Fourth Avenue, Suite 1350
Seattle, Washington 98161-1012

(206) 529-3980, ext. 107
bhaldeman@pesenv.com

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	79.2		1	04/04/2018 14:42	WG1093163

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.125	J3	0.0126	0.0631	1	03/31/2018 20:25	WG1092116
Acrylonitrile	U		0.00226	0.0126	1	03/31/2018 20:25	WG1092116
Benzene	0.00411		0.000341	0.00126	1	03/31/2018 20:25	WG1092116
Bromobenzene	U		0.000358	0.00126	1	03/31/2018 20:25	WG1092116
Bromodichloromethane	U		0.000321	0.00126	1	03/31/2018 20:25	WG1092116
Bromochloromethane	U		0.000492	0.00631	1	03/31/2018 20:25	WG1092116
Bromoform	U		0.000535	0.00126	1	03/31/2018 20:25	WG1092116
Bromomethane	U	J3	0.00169	0.00631	1	03/31/2018 20:25	WG1092116
n-Butylbenzene	U	J3	0.000326	0.00126	1	03/31/2018 20:25	WG1092116
sec-Butylbenzene	U	J3	0.000254	0.00126	1	03/31/2018 20:25	WG1092116
tert-Butylbenzene	U	J3	0.000260	0.00126	1	03/31/2018 20:25	WG1092116
Carbon disulfide	0.00929	J3	0.000279	0.00126	1	03/31/2018 20:25	WG1092116
Carbon tetrachloride	U	J3	0.000414	0.00126	1	03/31/2018 20:25	WG1092116
Chlorobenzene	U		0.000268	0.00126	1	03/31/2018 20:25	WG1092116
Chlorodibromomethane	U		0.000471	0.00126	1	03/31/2018 20:25	WG1092116
Chloroethane	U	J3	0.00119	0.00631	1	03/31/2018 20:25	WG1092116
Chloroform	U		0.000289	0.00631	1	03/31/2018 20:25	WG1092116
Chloromethane	U	J3	0.000473	0.00316	1	03/31/2018 20:25	WG1092116
2-Chlorotoluene	U		0.000380	0.00126	1	03/31/2018 20:25	WG1092116
4-Chlorotoluene	U		0.000303	0.00126	1	03/31/2018 20:25	WG1092116
1,2-Dibromo-3-Chloropropane	U		0.00133	0.00631	1	03/31/2018 20:25	WG1092116
1,2-Dibromoethane	U		0.000433	0.00126	1	03/31/2018 20:25	WG1092116
Dibromomethane	U		0.000482	0.00126	1	03/31/2018 20:25	WG1092116
1,2-Dichlorobenzene	U		0.000385	0.00126	1	03/31/2018 20:25	WG1092116
1,3-Dichlorobenzene	U		0.000302	0.00126	1	03/31/2018 20:25	WG1092116
1,4-Dichlorobenzene	U		0.000285	0.00126	1	03/31/2018 20:25	WG1092116
Dichlorodifluoromethane	U	J3	0.000900	0.00631	1	03/31/2018 20:25	WG1092116
1,1-Dichloroethane	U		0.000251	0.00126	1	03/31/2018 20:25	WG1092116
1,2-Dichloroethane	U		0.000334	0.00126	1	03/31/2018 20:25	WG1092116
1,1-Dichloroethene	U	J3	0.000382	0.00126	1	03/31/2018 20:25	WG1092116
cis-1,2-Dichloroethene	0.00740		0.000297	0.00126	1	03/31/2018 20:25	WG1092116
trans-1,2-Dichloroethene	U	J3	0.000333	0.00126	1	03/31/2018 20:25	WG1092116
1,2-Dichloropropane	U		0.000452	0.00126	1	03/31/2018 20:25	WG1092116
1,1-Dichloropropene	U		0.000400	0.00126	1	03/31/2018 20:25	WG1092116
1,3-Dichloropropane	U		0.000261	0.00126	1	03/31/2018 20:25	WG1092116
cis-1,3-Dichloropropene	U		0.000331	0.00126	1	03/31/2018 20:25	WG1092116
trans-1,3-Dichloropropene	U		0.000337	0.00126	1	03/31/2018 20:25	WG1092116
trans-1,4-Dichloro-2-butene	U		0.000982	0.00316	1	03/31/2018 20:25	WG1092116
2,2-Dichloropropane	U	J3	0.000352	0.00126	1	03/31/2018 20:25	WG1092116
Di-isopropyl ether	U		0.000313	0.00126	1	03/31/2018 20:25	WG1092116
Ethylbenzene	U	J3	0.000375	0.00126	1	03/31/2018 20:25	WG1092116
Hexachloro-1,3-butadiene	U	J3	0.000432	0.00126	1	03/31/2018 20:25	WG1092116
2-Hexanone	0.0102 J	J	0.00173	0.0126	1	03/31/2018 20:25	WG1092116
n-Hexane	U	J3	0.000366	0.0126	1	03/31/2018 20:25	WG1092116
Iodomethane	U	J3	0.00319	0.0126	1	03/31/2018 20:25	WG1092116
Isopropylbenzene	U		0.000307	0.00126	1	03/31/2018 20:25	WG1092116
p-Isopropyltoluene	U	J3	0.000257	0.00126	1	03/31/2018 20:25	WG1092116
2-Butanone (MEK)	0.0320 J	J0 J3	0.00591	0.0126	1	03/31/2018 20:25	WG1092116
Methylene Chloride	U		0.00126	0.00631	1	03/31/2018 20:25	WG1092116
4-Methyl-2-pentanone (MIBK)	0.00267 J	J	0.00237	0.0126	1	03/31/2018 20:25	WG1092116

JC 4/25/18

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000268	0.00126	1	03/31/2018 20:25	WG1092116
Naphthalene	U		0.00126	0.00631	1	03/31/2018 20:25	WG1092116
n-Propylbenzene	U		0.000260	0.00126	1	03/31/2018 20:25	WG1092116
Styrene	U		0.000295	0.00126	1	03/31/2018 20:25	WG1092116
1,1,1,2-Tetrachloroethane	U		0.000333	0.00126	1	03/31/2018 20:25	WG1092116
1,1,2,2-Tetrachloroethane	U		0.000461	0.00126	1	03/31/2018 20:25	WG1092116
1,1,2-Trichlorotrifluoroethane	U	J3	0.000461	0.00126	1	03/31/2018 20:25	WG1092116
Tetrachloroethene	0.0205	J3	0.000348	0.00126	1	03/31/2018 20:25	WG1092116
Toluene	0.00127 J	J	0.000548	0.00631	1	03/31/2018 20:25	WG1092116
1,2,3-Trichlorobenzene	U		0.000386	0.00126	1	03/31/2018 20:25	WG1092116
1,2,4-Trichlorobenzene	U		0.000490	0.00126	1	03/31/2018 20:25	WG1092116
1,1,1-Trichloroethane	U	J3	0.000361	0.00126	1	03/31/2018 20:25	WG1092116
1,1,2-Trichloroethane	U		0.000350	0.00126	1	03/31/2018 20:25	WG1092116
Trichloroethene	0.00511	J4	0.000352	0.00126	1	03/31/2018 20:25	WG1092116
Trichlorofluoromethane	U	J3	0.000482	0.00631	1	03/31/2018 20:25	WG1092116
1,2,3-Trichloropropane	U		0.000935	0.00316	1	03/31/2018 20:25	WG1092116
1,2,4-Trimethylbenzene	0.000583 J	J	0.000266	0.00126	1	03/31/2018 20:25	WG1092116
1,2,3-Trimethylbenzene	U		0.000362	0.00126	1	03/31/2018 20:25	WG1092116
1,3,5-Trimethylbenzene	U		0.000336	0.00126	1	03/31/2018 20:25	WG1092116
Vinyl acetate	U	J3	0.00302	0.0126	1	03/31/2018 20:25	WG1092116
Vinyl chloride	0.00137	J3	0.000367	0.00126	1	03/31/2018 20:25	WG1092116
Xylenes, Total	0.00133 J	J J3	0.000881	0.00379	1	03/31/2018 20:25	WG1092116
(S) Toluene-d8	*98.5*			*80.0-120*		*03/31/2018 20:25*	WG1092116
(S) Dibromofluoromethane	*110*			*74.0-131*		*03/31/2018 20:25*	WG1092116
(S) 4-Bromofluorobenzene	*118*			*64.0-132*		*03/31/2018 20:25*	WG1092116

JC 4/25/18

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	83.9		1	04/04/2018 14:42	WG1093163

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.0308 J	J J3	0.0119	0.0596	1	03/31/2018 20:46	WG1092116
Acrylonitrile	U		0.00213	0.0119	1	03/31/2018 20:46	WG1092116
Benzene	0.000911 J	J	0.000322	0.00119	1	03/31/2018 20:46	WG1092116
Bromobenzene	U		0.000338	0.00119	1	03/31/2018 20:46	WG1092116
Bromodichloromethane	U		0.000303	0.00119	1	03/31/2018 20:46	WG1092116
Bromochloromethane	U		0.000465	0.00596	1	03/31/2018 20:46	WG1092116
Bromoform	U		0.000505	0.00119	1	03/31/2018 20:46	WG1092116
Bromomethane	U	J3	0.00160	0.00596	1	03/31/2018 20:46	WG1092116
n-Butylbenzene	U	J3	0.000307	0.00119	1	03/31/2018 20:46	WG1092116
sec-Butylbenzene	U	J3	0.000239	0.00119	1	03/31/2018 20:46	WG1092116
tert-Butylbenzene	U	J3	0.000245	0.00119	1	03/31/2018 20:46	WG1092116
Carbon disulfide	0.00132	J3	0.000263	0.00119	1	03/31/2018 20:46	WG1092116
Carbon tetrachloride	U	J3	0.000391	0.00119	1	03/31/2018 20:46	WG1092116
Chlorobenzene	U		0.000253	0.00119	1	03/31/2018 20:46	WG1092116
Chlorodibromomethane	U		0.000444	0.00119	1	03/31/2018 20:46	WG1092116
Chloroethane	U	J3	0.00113	0.00596	1	03/31/2018 20:46	WG1092116
Chloroform	U		0.000273	0.00596	1	03/31/2018 20:46	WG1092116
Chloromethane	U	J3	0.000447	0.00298	1	03/31/2018 20:46	WG1092116
2-Chlorotoluene	U		0.000359	0.00119	1	03/31/2018 20:46	WG1092116
4-Chlorotoluene	U		0.000286	0.00119	1	03/31/2018 20:46	WG1092116
1,2-Dibromo-3-Chloropropane	U		0.00125	0.00596	1	03/31/2018 20:46	WG1092116
1,2-Dibromoethane	U		0.000409	0.00119	1	03/31/2018 20:46	WG1092116
Dibromomethane	U		0.000455	0.00119	1	03/31/2018 20:46	WG1092116
1,2-Dichlorobenzene	U		0.000363	0.00119	1	03/31/2018 20:46	WG1092116
1,3-Dichlorobenzene	U		0.000285	0.00119	1	03/31/2018 20:46	WG1092116
1,4-Dichlorobenzene	U		0.000269	0.00119	1	03/31/2018 20:46	WG1092116
Dichlorodifluoromethane	U	J3	0.000850	0.00596	1	03/31/2018 20:46	WG1092116
1,1-Dichloroethane	U		0.000237	0.00119	1	03/31/2018 20:46	WG1092116
1,2-Dichloroethane	U		0.000316	0.00119	1	03/31/2018 20:46	WG1092116
1,1-Dichloroethene	U	J3	0.000361	0.00119	1	03/31/2018 20:46	WG1092116
cis-1,2-Dichloroethene	0.00128		0.000280	0.00119	1	03/31/2018 20:46	WG1092116
trans-1,2-Dichloroethene	U	J3	0.000315	0.00119	1	03/31/2018 20:46	WG1092116
1,2-Dichloropropane	U		0.000427	0.00119	1	03/31/2018 20:46	WG1092116
1,1-Dichloropropene	U		0.000378	0.00119	1	03/31/2018 20:46	WG1092116
1,3-Dichloropropane	U		0.000247	0.00119	1	03/31/2018 20:46	WG1092116
cis-1,3-Dichloropropene	U		0.000312	0.00119	1	03/31/2018 20:46	WG1092116
trans-1,3-Dichloropropene	U		0.000318	0.00119	1	03/31/2018 20:46	WG1092116
trans-1,4-Dichloro-2-butene	U		0.000927	0.00298	1	03/31/2018 20:46	WG1092116
2,2-Dichloropropane	U	J3	0.000332	0.00119	1	03/31/2018 20:46	WG1092116
Di-isopropyl ether	U		0.000295	0.00119	1	03/31/2018 20:46	WG1092116
Ethylbenzene	U	J3	0.000354	0.00119	1	03/31/2018 20:46	WG1092116
Hexachloro-1,3-butadiene	U	J3	0.000407	0.00119	1	03/31/2018 20:46	WG1092116
2-Hexanone	U		0.00163	0.0119	1	03/31/2018 20:46	WG1092116
n-Hexane	U	J3	0.000346	0.0119	1	03/31/2018 20:46	WG1092116
Iodomethane	U	J3	0.00301	0.0119	1	03/31/2018 20:46	WG1092116
Isopropylbenzene	U		0.000290	0.00119	1	03/31/2018 20:46	WG1092116
p-Isopropyltoluene	U	J3	0.000243	0.00119	1	03/31/2018 20:46	WG1092116
2-Butanone (MEK)	0.00628 J	J J0 J3	0.00558	0.0119	1	03/31/2018 20:46	WG1092116
Methylene Chloride	U		0.00119	0.00596	1	03/31/2018 20:46	WG1092116
4-Methyl-2-pentanone (MIBK)	U		0.00224	0.0119	1	03/31/2018 20:46	WG1092116

JC 4/25/18

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000253	0.00119	1	03/31/2018 20:46	WG1092116
Naphthalene	U		0.00119	0.00596	1	03/31/2018 20:46	WG1092116
n-Propylbenzene	U		0.000245	0.00119	1	03/31/2018 20:46	WG1092116
Styrene	U		0.000279	0.00119	1	03/31/2018 20:46	WG1092116
1,1,1,2-Tetrachloroethane	U		0.000315	0.00119	1	03/31/2018 20:46	WG1092116
1,1,2,2-Tetrachloroethane	U		0.000435	0.00119	1	03/31/2018 20:46	WG1092116
1,1,2-Trichlorotrifluoroethane	U	J3	0.000435	0.00119	1	03/31/2018 20:46	WG1092116
Tetrachloroethene	0.00727	J3	0.000329	0.00119	1	03/31/2018 20:46	WG1092116
Toluene	0.000594 J	J	0.000517	0.00596	1	03/31/2018 20:46	WG1092116
1,2,3-Trichlorobenzene	U		0.000365	0.00119	1	03/31/2018 20:46	WG1092116
1,2,4-Trichlorobenzene	U		0.000462	0.00119	1	03/31/2018 20:46	WG1092116
1,1,1-Trichloroethane	U	J3	0.000341	0.00119	1	03/31/2018 20:46	WG1092116
1,1,2-Trichloroethane	U		0.000330	0.00119	1	03/31/2018 20:46	WG1092116
Trichloroethene	0.000767 J	J J4	0.000332	0.00119	1	03/31/2018 20:46	WG1092116
Trichlorofluoromethane	U	J3	0.000455	0.00596	1	03/31/2018 20:46	WG1092116
1,2,3-Trichloropropane	U		0.000883	0.00298	1	03/31/2018 20:46	WG1092116
1,2,4-Trimethylbenzene	U		0.000251	0.00119	1	03/31/2018 20:46	WG1092116
1,2,3-Trimethylbenzene	U		0.000342	0.00119	1	03/31/2018 20:46	WG1092116
1,3,5-Trimethylbenzene	U		0.000317	0.00119	1	03/31/2018 20:46	WG1092116
Vinyl acetate	U	J3	0.00285	0.0119	1	03/31/2018 20:46	WG1092116
Vinyl chloride	0.000526 J	J J3	0.000347	0.00119	1	03/31/2018 20:46	WG1092116
Xylenes, Total	U	J3	0.000832	0.00357	1	03/31/2018 20:46	WG1092116
(S) Toluene-d8	*102*			*80.0-120*		*03/31/2018 20:46*	WG1092116
(S) Dibromofluoromethane	*107*			*74.0-131*		*03/31/2018 20:46*	WG1092116
(S) 4-Bromofluorobenzene	*105*			*64.0-132*		*03/31/2018 20:46*	WG1092116

JC 4/25/18

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	87.6		1	04/04/2018 14:42	WG1093163

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch	
Acetone	0.0138 J	J J3	0.0114	0.0570	1	03/31/2018 21:07	WG1092116	
Acrylonitrile	U		0.00204	0.0114	1	03/31/2018 21:07	WG1092116	
Benzene	U		0.000308	0.00114	1	03/31/2018 21:07	WG1092116	
Bromobenzene	U		0.000324	0.00114	1	03/31/2018 21:07	WG1092116	
Bromodichloromethane	U		0.000290	0.00114	1	03/31/2018 21:07	WG1092116	
Bromochloromethane	U		0.000445	0.00570	1	03/31/2018 21:07	WG1092116	
Bromoform	U		0.000484	0.00114	1	03/31/2018 21:07	WG1092116	
Bromomethane	U	J3	0.00153	0.00570	1	03/31/2018 21:07	WG1092116	
n-Butylbenzene	U	J3	0.000294	0.00114	1	03/31/2018 21:07	WG1092116	
sec-Butylbenzene	U	J3	0.000229	0.00114	1	03/31/2018 21:07	WG1092116	
tert-Butylbenzene	U	J3	0.000235	0.00114	1	03/31/2018 21:07	WG1092116	
Carbon disulfide	0.00161	J3	0.000252	0.00114	1	03/31/2018 21:07	WG1092116	
Carbon tetrachloride	U	J3	0.000374	0.00114	1	03/31/2018 21:07	WG1092116	
Chlorobenzene	U		0.000242	0.00114	1	03/31/2018 21:07	WG1092116	
Chlorodibromomethane	U		0.000426	0.00114	1	03/31/2018 21:07	WG1092116	
Chloroethane	U	J3	0.00108	0.00570	1	03/31/2018 21:07	WG1092116	
Chloroform	U		0.000261	0.00570	1	03/31/2018 21:07	WG1092116	
Chloromethane	U	J3	0.000428	0.00285	1	03/31/2018 21:07	WG1092116	
2-Chlorotoluene	U		0.000343	0.00114	1	03/31/2018 21:07	WG1092116	
4-Chlorotoluene	U		0.000274	0.00114	1	03/31/2018 21:07	WG1092116	
1,2-Dibromo-3-Chloropropane	U		0.00120	0.00570	1	03/31/2018 21:07	WG1092116	
1,2-Dibromoethane	U		0.000391	0.00114	1	03/31/2018 21:07	WG1092116	
Dibromomethane	U		0.000436	0.00114	1	03/31/2018 21:07	WG1092116	
1,2-Dichlorobenzene	U		0.000348	0.00114	1	03/31/2018 21:07	WG1092116	
1,3-Dichlorobenzene	U		0.000273	0.00114	1	03/31/2018 21:07	WG1092116	
1,4-Dichlorobenzene	U		0.000258	0.00114	1	03/31/2018 21:07	WG1092116	
Dichlorodifluoromethane	U	J3	0.000814	0.00570	1	03/31/2018 21:07	WG1092116	
1,1-Dichloroethane	U		0.000227	0.00114	1	03/31/2018 21:07	WG1092116	
1,2-Dichloroethane	U		0.000302	0.00114	1	03/31/2018 21:07	WG1092116	
1,1-Dichloroethene	U	J3	0.000346	0.00114	1	03/31/2018 21:07	WG1092116	
cis-1,2-Dichloroethene	0.000833 J	J	0.000268	0.00114	1	03/31/2018 21:07	WG1092116	
trans-1,2-Dichloroethene	U	J3	0.000301	0.00114	1	03/31/2018 21:07	WG1092116	
1,2-Dichloropropane	U		0.000408	0.00114	1	03/31/2018 21:07	WG1092116	
1,1-Dichloropropene	U		0.000362	0.00114	1	03/31/2018 21:07	WG1092116	
1,3-Dichloropropane	U		0.000236	0.00114	1	03/31/2018 21:07	WG1092116	
cis-1,3-Dichloropropene	U		0.000299	0.00114	1	03/31/2018 21:07	WG1092116	
trans-1,3-Dichloropropene	U		0.000305	0.00114	1	03/31/2018 21:07	WG1092116	
trans-1,4-Dichloro-2-butene	U		0.000888	0.00285	1	03/31/2018 21:07	WG1092116	
2,2-Dichloropropane	U	J3	0.000318	0.00114	1	03/31/2018 21:07	WG1092116	
Di-isopropyl ether	U		0.000283	0.00114	1	03/31/2018 21:07	WG1092116	
Ethylbenzene	U	J3	0.000339	0.00114	1	03/31/2018 21:07	WG1092116	
Hexachloro-1,3-butadiene	U	J3	0.000390	0.00114	1	03/31/2018 21:07	WG1092116	JC 4/25/18
2-Hexanone	U		0.00156	0.0114	1	03/31/2018 21:07	WG1092116	
n-Hexane	U	J3	0.000331	0.0114	1	03/31/2018 21:07	WG1092116	
Iodomethane	U	J3	0.00289	0.0114	1	03/31/2018 21:07	WG1092116	
Isopropylbenzene	U		0.000277	0.00114	1	03/31/2018 21:07	WG1092116	
p-Isopropyltoluene	U	J3	0.000233	0.00114	1	03/31/2018 21:07	WG1092116	
2-Butanone (MEK)	U	J3	0.00534	0.0114	1	03/31/2018 21:07	WG1092116	
Methylene Chloride	U		0.00114	0.00570	1	03/31/2018 21:07	WG1092116	
4-Methyl-2-pentanone (MIBK)	U		0.00215	0.0114	1	03/31/2018 21:07	WG1092116	

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000242	0.00114	1	03/31/2018 21:07	WG1092116
Naphthalene	U		0.00114	0.00570	1	03/31/2018 21:07	WG1092116
n-Propylbenzene	U		0.000235	0.00114	1	03/31/2018 21:07	WG1092116
Styrene	U		0.000267	0.00114	1	03/31/2018 21:07	WG1092116
1,1,1,2-Tetrachloroethane	U		0.000301	0.00114	1	03/31/2018 21:07	WG1092116
1,1,2,2-Tetrachloroethane	U		0.000416	0.00114	1	03/31/2018 21:07	WG1092116
1,1,2-Trichlorotrifluoroethane	U	J3	0.000416	0.00114	1	03/31/2018 21:07	WG1092116
Tetrachloroethene	0.00254	J3	0.000315	0.00114	1	03/31/2018 21:07	WG1092116
Toluene	U		0.000495	0.00570	1	03/31/2018 21:07	WG1092116
1,2,3-Trichlorobenzene	U		0.000349	0.00114	1	03/31/2018 21:07	WG1092116
1,2,4-Trichlorobenzene	U		0.000443	0.00114	1	03/31/2018 21:07	WG1092116
1,1,1-Trichloroethane	U	J3	0.000326	0.00114	1	03/31/2018 21:07	WG1092116
1,1,2-Trichloroethane	U		0.000316	0.00114	1	03/31/2018 21:07	WG1092116
Trichloroethene	0.000615 J	J J4	0.000318	0.00114	1	03/31/2018 21:07	WG1092116
Trichlorofluoromethane	U	J3	0.000436	0.00570	1	03/31/2018 21:07	WG1092116
1,2,3-Trichloropropane	U		0.000845	0.00285	1	03/31/2018 21:07	WG1092116
1,2,4-Trimethylbenzene	U		0.000241	0.00114	1	03/31/2018 21:07	WG1092116
1,2,3-Trimethylbenzene	U		0.000327	0.00114	1	03/31/2018 21:07	WG1092116
1,3,5-Trimethylbenzene	U		0.000303	0.00114	1	03/31/2018 21:07	WG1092116
Vinyl acetate	U	J3	0.00273	0.0114	1	03/31/2018 21:07	WG1092116
Vinyl chloride	0.00102 J	J J3	0.000332	0.00114	1	03/31/2018 21:07	WG1092116
Xylenes, Total	U	J3	0.000796	0.00342	1	03/31/2018 21:07	WG1092116
(S) Toluene-d8	*98.1*			*80.0-120*		*03/31/2018 21:07*	WG1092116
(S) Dibromofluoromethane	*109*			*74.0-131*		*03/31/2018 21:07*	WG1092116
(S) 4-Bromofluorobenzene	*100*			*64.0-132*		*03/31/2018 21:07*	WG1092116

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Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	88.1		1	04/04/2018 14:42	WG1093163

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.0126 J	J J3	0.0113	0.0567	1	03/31/2018 21:29	WG1092116
Acrylonitrile	U		0.00203	0.0113	1	03/31/2018 21:29	WG1092116
Benzene	U		0.000306	0.00113	1	03/31/2018 21:29	WG1092116
Bromobenzene	U		0.000322	0.00113	1	03/31/2018 21:29	WG1092116
Bromodichloromethane	U		0.000288	0.00113	1	03/31/2018 21:29	WG1092116
Bromochloromethane	U		0.000442	0.00567	1	03/31/2018 21:29	WG1092116
Bromoform	U		0.000481	0.00113	1	03/31/2018 21:29	WG1092116
Bromomethane	U	J3	0.00152	0.00567	1	03/31/2018 21:29	WG1092116
n-Butylbenzene	U	J3	0.000293	0.00113	1	03/31/2018 21:29	WG1092116
sec-Butylbenzene	U	J3	0.000228	0.00113	1	03/31/2018 21:29	WG1092116
tert-Butylbenzene	U	J3	0.000234	0.00113	1	03/31/2018 21:29	WG1092116
Carbon disulfide	0.000710 J	J J3	0.000251	0.00113	1	03/31/2018 21:29	WG1092116
Carbon tetrachloride	U	J3	0.000372	0.00113	1	03/31/2018 21:29	WG1092116
Chlorobenzene	U		0.000241	0.00113	1	03/31/2018 21:29	WG1092116
Chlorodibromomethane	U		0.000423	0.00113	1	03/31/2018 21:29	WG1092116
Chloroethane	U	J3	0.00107	0.00567	1	03/31/2018 21:29	WG1092116
Chloroform	U		0.000260	0.00567	1	03/31/2018 21:29	WG1092116
Chloromethane	U	J3	0.000425	0.00284	1	03/31/2018 21:29	WG1092116
2-Chlorotoluene	U		0.000342	0.00113	1	03/31/2018 21:29	WG1092116
4-Chlorotoluene	U		0.000272	0.00113	1	03/31/2018 21:29	WG1092116
1,2-Dibromo-3-Chloropropane	U		0.00119	0.00567	1	03/31/2018 21:29	WG1092116
1,2-Dibromoethane	U		0.000389	0.00113	1	03/31/2018 21:29	WG1092116
Dibromomethane	U		0.000433	0.00113	1	03/31/2018 21:29	WG1092116
1,2-Dichlorobenzene	U		0.000346	0.00113	1	03/31/2018 21:29	WG1092116
1,3-Dichlorobenzene	U		0.000271	0.00113	1	03/31/2018 21:29	WG1092116
1,4-Dichlorobenzene	U		0.000256	0.00113	1	03/31/2018 21:29	WG1092116
Dichlorodifluoromethane	U	J3	0.000809	0.00567	1	03/31/2018 21:29	WG1092116
1,1-Dichloroethane	U		0.000226	0.00113	1	03/31/2018 21:29	WG1092116
1,2-Dichloroethane	U		0.000301	0.00113	1	03/31/2018 21:29	WG1092116
1,1-Dichloroethene	U	J3	0.000344	0.00113	1	03/31/2018 21:29	WG1092116
cis-1,2-Dichloroethene	0.00537		0.000267	0.00113	1	03/31/2018 21:29	WG1092116
trans-1,2-Dichloroethene	0.000309 J	J J3	0.000300	0.00113	1	03/31/2018 21:29	WG1092116
1,2-Dichloropropane	U		0.000406	0.00113	1	03/31/2018 21:29	WG1092116
1,1-Dichloropropene	U		0.000360	0.00113	1	03/31/2018 21:29	WG1092116
1,3-Dichloropropane	U		0.000235	0.00113	1	03/31/2018 21:29	WG1092116
cis-1,3-Dichloropropene	U		0.000297	0.00113	1	03/31/2018 21:29	WG1092116
trans-1,3-Dichloropropene	U		0.000303	0.00113	1	03/31/2018 21:29	WG1092116
trans-1,4-Dichloro-2-butene	U		0.000883	0.00284	1	03/31/2018 21:29	WG1092116
2,2-Dichloropropane	U	J3	0.000317	0.00113	1	03/31/2018 21:29	WG1092116
Di-isopropyl ether	U		0.000281	0.00113	1	03/31/2018 21:29	WG1092116
Ethylbenzene	U	J3	0.000337	0.00113	1	03/31/2018 21:29	WG1092116
Hexachloro-1,3-butadiene	U	J3	0.000388	0.00113	1	03/31/2018 21:29	WG1092116
2-Hexanone	U		0.00155	0.0113	1	03/31/2018 21:29	WG1092116
n-Hexane	U	J3	0.000329	0.0113	1	03/31/2018 21:29	WG1092116
Iodomethane	U	J3	0.00287	0.0113	1	03/31/2018 21:29	WG1092116
Isopropylbenzene	U		0.000276	0.00113	1	03/31/2018 21:29	WG1092116
p-Isopropyltoluene	U	J3	0.000231	0.00113	1	03/31/2018 21:29	WG1092116
2-Butanone (MEK)	U	J3	0.00531	0.0113	1	03/31/2018 21:29	WG1092116
Methylene Chloride	U		0.00113	0.00567	1	03/31/2018 21:29	WG1092116
4-Methyl-2-pentanone (MIBK)	U		0.00213	0.0113	1	03/31/2018 21:29	WG1092116

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000241	0.00113	1	03/31/2018 21:29	WG1092116
Naphthalene	U		0.00113	0.00567	1	03/31/2018 21:29	WG1092116
n-Propylbenzene	U		0.000234	0.00113	1	03/31/2018 21:29	WG1092116
Styrene	U		0.000265	0.00113	1	03/31/2018 21:29	WG1092116
1,1,1,2-Tetrachloroethane	U		0.000300	0.00113	1	03/31/2018 21:29	WG1092116
1,1,2,2-Tetrachloroethane	U		0.000414	0.00113	1	03/31/2018 21:29	WG1092116
1,1,2-Trichlorotrifluoroethane	U	J3	0.000414	0.00113	1	03/31/2018 21:29	WG1092116
Tetrachloroethene	0.000760 J	J J3	0.000313	0.00113	1	03/31/2018 21:29	WG1092116
Toluene	U		0.000492	0.00567	1	03/31/2018 21:29	WG1092116
1,2,3-Trichlorobenzene	U		0.000347	0.00113	1	03/31/2018 21:29	WG1092116
1,2,4-Trichlorobenzene	U		0.000440	0.00113	1	03/31/2018 21:29	WG1092116
1,1,1-Trichloroethane	U	J3	0.000324	0.00113	1	03/31/2018 21:29	WG1092116
1,1,2-Trichloroethane	U		0.000314	0.00113	1	03/31/2018 21:29	WG1092116
Trichloroethene	0.00185	J4	0.000317	0.00113	1	03/31/2018 21:29	WG1092116
Trichlorofluoromethane	U	J3	0.000433	0.00567	1	03/31/2018 21:29	WG1092116
1,2,3-Trichloropropane	U		0.000841	0.00284	1	03/31/2018 21:29	WG1092116
1,2,4-Trimethylbenzene	U		0.000239	0.00113	1	03/31/2018 21:29	WG1092116
1,2,3-Trimethylbenzene	U		0.000326	0.00113	1	03/31/2018 21:29	WG1092116
1,3,5-Trimethylbenzene	U		0.000302	0.00113	1	03/31/2018 21:29	WG1092116
Vinyl acetate	U	J3	0.00271	0.0113	1	03/31/2018 21:29	WG1092116
Vinyl chloride	0.000575 J	J J3	0.000330	0.00113	1	03/31/2018 21:29	WG1092116
Xylenes, Total	U	J3	0.000792	0.00340	1	03/31/2018 21:29	WG1092116
(S) Toluene-d8	*98.5*			*80.0-120*		*03/31/2018 21:29*	WG1092116
(S) Dibromofluoromethane	*109*			*74.0-131*		*03/31/2018 21:29*	WG1092116
(S) 4-Bromofluorobenzene	*104*			*64.0-132*		*03/31/2018 21:29*	WG1092116

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Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	94.5		1	04/04/2018 14:42	WG1093163

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.0107 J	J J3	0.0106	0.0529	1	03/31/2018 21:50	WG1092116
Acrylonitrile	U		0.00190	0.0106	1	03/31/2018 21:50	WG1092116
Benzene	U		0.000286	0.00106	1	03/31/2018 21:50	WG1092116
Bromobenzene	U		0.000301	0.00106	1	03/31/2018 21:50	WG1092116
Bromodichloromethane	U		0.000269	0.00106	1	03/31/2018 21:50	WG1092116
Bromochloromethane	U		0.000413	0.00529	1	03/31/2018 21:50	WG1092116
Bromoform	U		0.000449	0.00106	1	03/31/2018 21:50	WG1092116
Bromomethane	U	J3	0.00142	0.00529	1	03/31/2018 21:50	WG1092116
n-Butylbenzene	U	J3	0.000273	0.00106	1	03/31/2018 21:50	WG1092116
sec-Butylbenzene	U	J3	0.000213	0.00106	1	03/31/2018 21:50	WG1092116
tert-Butylbenzene	U	J3	0.000218	0.00106	1	03/31/2018 21:50	WG1092116
Carbon disulfide	U	J3	0.000234	0.00106	1	03/31/2018 21:50	WG1092116
Carbon tetrachloride	U	J3	0.000347	0.00106	1	03/31/2018 21:50	WG1092116
Chlorobenzene	U		0.000224	0.00106	1	03/31/2018 21:50	WG1092116
Chlorodibromomethane	U		0.000395	0.00106	1	03/31/2018 21:50	WG1092116
Chloroethane	U	J3	0.00100	0.00529	1	03/31/2018 21:50	WG1092116
Chloroform	U		0.000242	0.00529	1	03/31/2018 21:50	WG1092116
Chloromethane	U	J3	0.000397	0.00265	1	03/31/2018 21:50	WG1092116
2-Chlorotoluene	U		0.000319	0.00106	1	03/31/2018 21:50	WG1092116
4-Chlorotoluene	U		0.000254	0.00106	1	03/31/2018 21:50	WG1092116
1,2-Dibromo-3-Chloropropane	U		0.00111	0.00529	1	03/31/2018 21:50	WG1092116
1,2-Dibromoethane	U		0.000363	0.00106	1	03/31/2018 21:50	WG1092116
Dibromomethane	U		0.000404	0.00106	1	03/31/2018 21:50	WG1092116
1,2-Dichlorobenzene	U		0.000323	0.00106	1	03/31/2018 21:50	WG1092116
1,3-Dichlorobenzene	U		0.000253	0.00106	1	03/31/2018 21:50	WG1092116
1,4-Dichlorobenzene	U		0.000239	0.00106	1	03/31/2018 21:50	WG1092116
Dichlorodifluoromethane	U	J3	0.000755	0.00529	1	03/31/2018 21:50	WG1092116
1,1-Dichloroethane	U		0.000211	0.00106	1	03/31/2018 21:50	WG1092116
1,2-Dichloroethane	U		0.000281	0.00106	1	03/31/2018 21:50	WG1092116
1,1-Dichloroethene	U	J3	0.000321	0.00106	1	03/31/2018 21:50	WG1092116
cis-1,2-Dichloroethene	0.00556		0.000249	0.00106	1	03/31/2018 21:50	WG1092116
trans-1,2-Dichloroethene	U	J3	0.000280	0.00106	1	03/31/2018 21:50	WG1092116
1,2-Dichloropropane	U		0.000379	0.00106	1	03/31/2018 21:50	WG1092116
1,1-Dichloropropene	U		0.000336	0.00106	1	03/31/2018 21:50	WG1092116
1,3-Dichloropropane	U		0.000219	0.00106	1	03/31/2018 21:50	WG1092116
cis-1,3-Dichloropropene	U		0.000277	0.00106	1	03/31/2018 21:50	WG1092116
trans-1,3-Dichloropropene	U		0.000283	0.00106	1	03/31/2018 21:50	WG1092116
trans-1,4-Dichloro-2-butene	U		0.000824	0.00265	1	03/31/2018 21:50	WG1092116
2,2-Dichloropropane	U	J3	0.000295	0.00106	1	03/31/2018 21:50	WG1092116
Di-isopropyl ether	U		0.000263	0.00106	1	03/31/2018 21:50	WG1092116
Ethylbenzene	U	J3	0.000314	0.00106	1	03/31/2018 21:50	WG1092116
Hexachloro-1,3-butadiene	U	J3	0.000362	0.00106	1	03/31/2018 21:50	WG1092116
2-Hexanone	U		0.00145	0.0106	1	03/31/2018 21:50	WG1092116
n-Hexane	U	J3	0.000307	0.0106	1	03/31/2018 21:50	WG1092116
Iodomethane	U	J3	0.00268	0.0106	1	03/31/2018 21:50	WG1092116
Isopropylbenzene	U		0.000257	0.00106	1	03/31/2018 21:50	WG1092116
p-Isopropyltoluene	U	J3	0.000216	0.00106	1	03/31/2018 21:50	WG1092116
2-Butanone (MEK)	U	J3	0.00495	0.0106	1	03/31/2018 21:50	WG1092116
Methylene Chloride	U		0.00106	0.00529	1	03/31/2018 21:50	WG1092116
4-Methyl-2-pentanone (MIBK)	U		0.00199	0.0106	1	03/31/2018 21:50	WG1092116

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000224	0.00106	1	03/31/2018 21:50	WG1092116
Naphthalene	U		0.00106	0.00529	1	03/31/2018 21:50	WG1092116
n-Propylbenzene	U		0.000218	0.00106	1	03/31/2018 21:50	WG1092116
Styrene	U		0.000248	0.00106	1	03/31/2018 21:50	WG1092116
1,1,1,2-Tetrachloroethane	U		0.000280	0.00106	1	03/31/2018 21:50	WG1092116
1,1,2,2-Tetrachloroethane	U		0.000386	0.00106	1	03/31/2018 21:50	WG1092116
1,1,2-Trichlorotrifluoroethane	U	J3	0.000386	0.00106	1	03/31/2018 21:50	WG1092116
Tetrachloroethene	U	J3	0.000292	0.00106	1	03/31/2018 21:50	WG1092116
Toluene	U		0.000459	0.00529	1	03/31/2018 21:50	WG1092116
1,2,3-Trichlorobenzene	U		0.000324	0.00106	1	03/31/2018 21:50	WG1092116
1,2,4-Trichlorobenzene	U		0.000411	0.00106	1	03/31/2018 21:50	WG1092116
1,1,1-Trichloroethane	U	J3	0.000303	0.00106	1	03/31/2018 21:50	WG1092116
1,1,2-Trichloroethane	U		0.000293	0.00106	1	03/31/2018 21:50	WG1092116
Trichloroethene	0.000296 J	J J4	0.000295	0.00106	1	03/31/2018 21:50	WG1092116
Trichlorofluoromethane	U	J3	0.000404	0.00529	1	03/31/2018 21:50	WG1092116
1,2,3-Trichloropropane	U		0.000785	0.00265	1	03/31/2018 21:50	WG1092116
1,2,4-Trimethylbenzene	U		0.000223	0.00106	1	03/31/2018 21:50	WG1092116
1,2,3-Trimethylbenzene	U		0.000304	0.00106	1	03/31/2018 21:50	WG1092116
1,3,5-Trimethylbenzene	U		0.000282	0.00106	1	03/31/2018 21:50	WG1092116
Vinyl acetate	U	J3	0.00253	0.0106	1	03/31/2018 21:50	WG1092116
Vinyl chloride	0.00150	J3	0.000308	0.00106	1	03/31/2018 21:50	WG1092116
Xylenes, Total	U	J3	0.000739	0.00318	1	03/31/2018 21:50	WG1092116
(S) Toluene-d8	*99.1*			*80.0-120*		*03/31/2018 21:50*	WG1092116
(S) Dibromofluoromethane	*106*			*74.0-131*		*03/31/2018 21:50*	WG1092116
(S) 4-Bromofluorobenzene	*101*			*64.0-132*		*03/31/2018 21:50*	WG1092116

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Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	91.5		1	04/04/2018 14:42	WG1093163

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.0133 J	J J3	0.0109	0.0547	1	03/31/2018 22:11	WG1092116
Acrylonitrile	U		0.00196	0.0109	1	03/31/2018 22:11	WG1092116
Benzene	U		0.000295	0.00109	1	03/31/2018 22:11	WG1092116
Bromobenzene	U		0.000311	0.00109	1	03/31/2018 22:11	WG1092116
Bromodichloromethane	U		0.000278	0.00109	1	03/31/2018 22:11	WG1092116
Bromochloromethane	U		0.000426	0.00547	1	03/31/2018 22:11	WG1092116
Bromoform	U		0.000464	0.00109	1	03/31/2018 22:11	WG1092116
Bromomethane	U	J3	0.00147	0.00547	1	03/31/2018 22:11	WG1092116
n-Butylbenzene	U	J3	0.000282	0.00109	1	03/31/2018 22:11	WG1092116
sec-Butylbenzene	U	J3	0.000220	0.00109	1	03/31/2018 22:11	WG1092116
tert-Butylbenzene	U	J3	0.000225	0.00109	1	03/31/2018 22:11	WG1092116
Carbon disulfide	0.000655 J	J J3	0.000242	0.00109	1	03/31/2018 22:11	WG1092116
Carbon tetrachloride	U	J3	0.000359	0.00109	1	03/31/2018 22:11	WG1092116
Chlorobenzene	U		0.000232	0.00109	1	03/31/2018 22:11	WG1092116
Chlorodibromomethane	U		0.000408	0.00109	1	03/31/2018 22:11	WG1092116
Chloroethane	U	J3	0.00103	0.00547	1	03/31/2018 22:11	WG1092116
Chloroform	U		0.000250	0.00547	1	03/31/2018 22:11	WG1092116
Chloromethane	U	J3	0.000410	0.00273	1	03/31/2018 22:11	WG1092116
2-Chlorotoluene	U		0.000329	0.00109	1	03/31/2018 22:11	WG1092116
4-Chlorotoluene	U		0.000262	0.00109	1	03/31/2018 22:11	WG1092116
1,2-Dibromo-3-Chloropropane	U		0.00115	0.00547	1	03/31/2018 22:11	WG1092116
1,2-Dibromoethane	U		0.000375	0.00109	1	03/31/2018 22:11	WG1092116
Dibromomethane	U		0.000418	0.00109	1	03/31/2018 22:11	WG1092116
1,2-Dichlorobenzene	U		0.000333	0.00109	1	03/31/2018 22:11	WG1092116
1,3-Dichlorobenzene	U		0.000261	0.00109	1	03/31/2018 22:11	WG1092116
1,4-Dichlorobenzene	U		0.000247	0.00109	1	03/31/2018 22:11	WG1092116
Dichlorodifluoromethane	U	J3	0.000780	0.00547	1	03/31/2018 22:11	WG1092116
1,1-Dichloroethane	U		0.000218	0.00109	1	03/31/2018 22:11	WG1092116
1,2-Dichloroethane	U		0.000290	0.00109	1	03/31/2018 22:11	WG1092116
1,1-Dichloroethene	0.000672 J	J J3	0.000331	0.00109	1	03/31/2018 22:11	WG1092116
cis-1,2-Dichloroethene	0.0243		0.000257	0.00109	1	03/31/2018 22:11	WG1092116
trans-1,2-Dichloroethene	0.00106 J	J J3	0.000289	0.00109	1	03/31/2018 22:11	WG1092116
1,2-Dichloropropane	U		0.000391	0.00109	1	03/31/2018 22:11	WG1092116
1,1-Dichloropropene	U		0.000347	0.00109	1	03/31/2018 22:11	WG1092116
1,3-Dichloropropane	U		0.000226	0.00109	1	03/31/2018 22:11	WG1092116
cis-1,3-Dichloropropene	U		0.000286	0.00109	1	03/31/2018 22:11	WG1092116
trans-1,3-Dichloropropene	U		0.000292	0.00109	1	03/31/2018 22:11	WG1092116
trans-1,4-Dichloro-2-butene	U		0.000851	0.00273	1	03/31/2018 22:11	WG1092116
2,2-Dichloropropane	U	J3	0.000305	0.00109	1	03/31/2018 22:11	WG1092116
Di-isopropyl ether	U		0.000271	0.00109	1	03/31/2018 22:11	WG1092116
Ethylbenzene	U	J3	0.000325	0.00109	1	03/31/2018 22:11	WG1092116
Hexachloro-1,3-butadiene	U	J3	0.000374	0.00109	1	03/31/2018 22:11	WG1092116
2-Hexanone	U		0.00150	0.0109	1	03/31/2018 22:11	WG1092116
n-Hexane	U	J3	0.000317	0.0109	1	03/31/2018 22:11	WG1092116
Iodomethane	U	J3	0.00277	0.0109	1	03/31/2018 22:11	WG1092116
Isopropylbenzene	U		0.000266	0.00109	1	03/31/2018 22:11	WG1092116
p-Isopropyltoluene	U	J3	0.000223	0.00109	1	03/31/2018 22:11	WG1092116
2-Butanone (MEK)	U	J3	0.00512	0.0109	1	03/31/2018 22:11	WG1092116
Methylene Chloride	U		0.00109	0.00547	1	03/31/2018 22:11	WG1092116
4-Methyl-2-pentanone (MIBK)	U		0.00206	0.0109	1	03/31/2018 22:11	WG1092116

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1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000232	0.00109	1	03/31/2018 22:11	WG1092116
Naphthalene	U		0.00109	0.00547	1	03/31/2018 22:11	WG1092116
n-Propylbenzene	U		0.000225	0.00109	1	03/31/2018 22:11	WG1092116
Styrene	U		0.000256	0.00109	1	03/31/2018 22:11	WG1092116
1,1,1,2-Tetrachloroethane	U		0.000289	0.00109	1	03/31/2018 22:11	WG1092116
1,1,2,2-Tetrachloroethane	U		0.000399	0.00109	1	03/31/2018 22:11	WG1092116
1,1,2-Trichlorotrifluoroethane	U	J3	0.000399	0.00109	1	03/31/2018 22:11	WG1092116
Tetrachloroethene	0.00210	J3	0.000302	0.00109	1	03/31/2018 22:11	WG1092116
Toluene	U		0.000475	0.00547	1	03/31/2018 22:11	WG1092116
1,2,3-Trichlorobenzene	U		0.000335	0.00109	1	03/31/2018 22:11	WG1092116
1,2,4-Trichlorobenzene	U		0.000424	0.00109	1	03/31/2018 22:11	WG1092116
1,1,1-Trichloroethane	U	J3	0.000313	0.00109	1	03/31/2018 22:11	WG1092116
1,1,2-Trichloroethane	U		0.000303	0.00109	1	03/31/2018 22:11	WG1092116
Trichloroethene	U	J4	0.000305	0.00109	1	03/31/2018 22:11	WG1092116
Trichlorofluoromethane	U	J3	0.000418	0.00547	1	03/31/2018 22:11	WG1092116
1,2,3-Trichloropropane	U		0.000810	0.00273	1	03/31/2018 22:11	WG1092116
1,2,4-Trimethylbenzene	U		0.000231	0.00109	1	03/31/2018 22:11	WG1092116
1,2,3-Trimethylbenzene	U		0.000314	0.00109	1	03/31/2018 22:11	WG1092116
1,3,5-Trimethylbenzene	U		0.000291	0.00109	1	03/31/2018 22:11	WG1092116
Vinyl acetate	U	J3	0.00261	0.0109	1	03/31/2018 22:11	WG1092116
Vinyl chloride	0.00144	J3	0.000318	0.00109	1	03/31/2018 22:11	WG1092116
Xylenes, Total	U	J3	0.000763	0.00328	1	03/31/2018 22:11	WG1092116
(S) Toluene-d8	*99.4*			*80.0-120*		*03/31/2018 22:11*	WG1092116
(S) Dibromofluoromethane	*108*			*74.0-131*		*03/31/2018 22:11*	WG1092116
(S) 4-Bromofluorobenzene	*105*			*64.0-132*		*03/31/2018 22:11*	WG1092116

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Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch
Analyte	%			date / time	
Total Solids	87.1		1	04/04/2018 14:42	WG1093163

Volatile Organic Compounds (GC/MS) by Method 8260C

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0135 J	J J3	0.0115	0.0574	1	03/31/2018 22:32	WG1092116
Acrylonitrile	U		0.00206	0.0115	1	03/31/2018 22:32	WG1092116
Benzene	U		0.000310	0.00115	1	03/31/2018 22:32	WG1092116
Bromobenzene	U		0.000326	0.00115	1	03/31/2018 22:32	WG1092116
Bromodichloromethane	U		0.000292	0.00115	1	03/31/2018 22:32	WG1092116
Bromochloromethane	U		0.000448	0.00574	1	03/31/2018 22:32	WG1092116
Bromoform	U		0.000487	0.00115	1	03/31/2018 22:32	WG1092116
Bromomethane	U	J3	0.00154	0.00574	1	03/31/2018 22:32	WG1092116
n-Butylbenzene	U	J3	0.000296	0.00115	1	03/31/2018 22:32	WG1092116
sec-Butylbenzene	U	J3	0.000231	0.00115	1	03/31/2018 22:32	WG1092116
tert-Butylbenzene	U	J3	0.000237	0.00115	1	03/31/2018 22:32	WG1092116
Carbon disulfide	0.00116	J3	0.000254	0.00115	1	03/31/2018 22:32	WG1092116
Carbon tetrachloride	U	J3	0.000377	0.00115	1	03/31/2018 22:32	WG1092116
Chlorobenzene	U		0.000243	0.00115	1	03/31/2018 22:32	WG1092116
Chlorodibromomethane	U		0.000428	0.00115	1	03/31/2018 22:32	WG1092116
Chloroethane	U	J3	0.00109	0.00574	1	03/31/2018 22:32	WG1092116
Chloroform	U		0.000263	0.00574	1	03/31/2018 22:32	WG1092116
Chloromethane	U	J3	0.000431	0.00287	1	03/31/2018 22:32	WG1092116
2-Chlorotoluene	U		0.000346	0.00115	1	03/31/2018 22:32	WG1092116
4-Chlorotoluene	U		0.000276	0.00115	1	03/31/2018 22:32	WG1092116
1,2-Dibromo-3-Chloropropane	U		0.00121	0.00574	1	03/31/2018 22:32	WG1092116
1,2-Dibromoethane	U		0.000394	0.00115	1	03/31/2018 22:32	WG1092116
Dibromomethane	U		0.000439	0.00115	1	03/31/2018 22:32	WG1092116
1,2-Dichlorobenzene	U		0.000350	0.00115	1	03/31/2018 22:32	WG1092116
1,3-Dichlorobenzene	U		0.000275	0.00115	1	03/31/2018 22:32	WG1092116
1,4-Dichlorobenzene	U		0.000260	0.00115	1	03/31/2018 22:32	WG1092116
Dichlorodifluoromethane	U	J3	0.000819	0.00574	1	03/31/2018 22:32	WG1092116
1,1-Dichloroethane	U		0.000229	0.00115	1	03/31/2018 22:32	WG1092116
1,2-Dichloroethane	U		0.000304	0.00115	1	03/31/2018 22:32	WG1092116
1,1-Dichloroethene	0.000446 J	J J3	0.000348	0.00115	1	03/31/2018 22:32	WG1092116
cis-1,2-Dichloroethene	0.0522		0.000270	0.00115	1	03/31/2018 22:32	WG1092116
trans-1,2-Dichloroethene	0.00211	J3	0.000303	0.00115	1	03/31/2018 22:32	WG1092116
1,2-Dichloropropane	U		0.000411	0.00115	1	03/31/2018 22:32	WG1092116
1,1-Dichloropropene	U		0.000364	0.00115	1	03/31/2018 22:32	WG1092116
1,3-Dichloropropane	U		0.000238	0.00115	1	03/31/2018 22:32	WG1092116
cis-1,3-Dichloropropene	U		0.000301	0.00115	1	03/31/2018 22:32	WG1092116
trans-1,3-Dichloropropene	U		0.000307	0.00115	1	03/31/2018 22:32	WG1092116
trans-1,4-Dichloro-2-butene	U		0.000894	0.00287	1	03/31/2018 22:32	WG1092116
2,2-Dichloropropane	U	J3	0.000320	0.00115	1	03/31/2018 22:32	WG1092116
Di-isopropyl ether	U		0.000285	0.00115	1	03/31/2018 22:32	WG1092116
Ethylbenzene	U	J3	0.000341	0.00115	1	03/31/2018 22:32	WG1092116
Hexachloro-1,3-butadiene	U	J3	0.000393	0.00115	1	03/31/2018 22:32	WG1092116
2-Hexanone	U		0.00157	0.0115	1	03/31/2018 22:32	WG1092116
n-Hexane	U	J3	0.000333	0.0115	1	03/31/2018 22:32	WG1092116
Iodomethane	U	J3	0.00291	0.0115	1	03/31/2018 22:32	WG1092116
Isopropylbenzene	U		0.000279	0.00115	1	03/31/2018 22:32	WG1092116
p-Isopropyltoluene	U	J3	0.000234	0.00115	1	03/31/2018 22:32	WG1092116
2-Butanone (MEK)	U	J3	0.00538	0.0115	1	03/31/2018 22:32	WG1092116
Methylene Chloride	U		0.00115	0.00574	1	03/31/2018 22:32	WG1092116
4-Methyl-2-pentanone (MIBK)	U		0.00216	0.0115	1	03/31/2018 22:32	WG1092116

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Volatile Organic Compounds (GC/MS) by Method 8260C

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg		date / time	
Methyl tert-butyl ether	U		0.000243	0.00115	1	03/31/2018 22:32	WG1092116
Naphthalene	U		0.00115	0.00574	1	03/31/2018 22:32	WG1092116
n-Propylbenzene	U		0.000237	0.00115	1	03/31/2018 22:32	WG1092116
Styrene	U		0.000269	0.00115	1	03/31/2018 22:32	WG1092116
1,1,1,2-Tetrachloroethane	U		0.000303	0.00115	1	03/31/2018 22:32	WG1092116
1,1,2,2-Tetrachloroethane	U		0.000419	0.00115	1	03/31/2018 22:32	WG1092116
1,1,2-Trichlorotrifluoroethane	U	J3	0.000419	0.00115	1	03/31/2018 22:32	WG1092116
Tetrachloroethene	0.0158	J3	0.000317	0.00115	1	03/31/2018 22:32	WG1092116
Toluene	U		0.000498	0.00574	1	03/31/2018 22:32	WG1092116
1,2,3-Trichlorobenzene	U		0.000351	0.00115	1	03/31/2018 22:32	WG1092116
1,2,4-Trichlorobenzene	U		0.000446	0.00115	1	03/31/2018 22:32	WG1092116
1,1,1-Trichloroethane	U	J3	0.000328	0.00115	1	03/31/2018 22:32	WG1092116
1,1,2-Trichloroethane	U		0.000318	0.00115	1	03/31/2018 22:32	WG1092116
Trichloroethene	0.00357	J4	0.000320	0.00115	1	03/31/2018 22:32	WG1092116
Trichlorofluoromethane	U	J3	0.000439	0.00574	1	03/31/2018 22:32	WG1092116
1,2,3-Trichloropropane	U		0.000851	0.00287	1	03/31/2018 22:32	WG1092116
1,2,4-Trimethylbenzene	U		0.000242	0.00115	1	03/31/2018 22:32	WG1092116
1,2,3-Trimethylbenzene	U		0.000330	0.00115	1	03/31/2018 22:32	WG1092116
1,3,5-Trimethylbenzene	U		0.000306	0.00115	1	03/31/2018 22:32	WG1092116
Vinyl acetate	U	J3	0.00275	0.0115	1	03/31/2018 22:32	WG1092116
Vinyl chloride	0.00668	J3	0.000334	0.00115	1	03/31/2018 22:32	WG1092116
Xylenes, Total	U	J3	0.000802	0.00345	1	03/31/2018 22:32	WG1092116
(S) Toluene-d8	*99.2*			*80.0-120*		*03/31/2018 22:32*	WG1092116
(S) Dibromofluoromethane	*108*			*74.0-131*		*03/31/2018 22:32*	WG1092116
(S) 4-Bromofluorobenzene	*105*			*64.0-132*		*03/31/2018 22:32*	WG1092116

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Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	90.7		1	04/04/2018 14:42	WG1093163

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U	J3	0.0110	0.0551	1	03/31/2018 22:53	WG1092116
Acrylonitrile	U		0.00197	0.0110	1	03/31/2018 22:53	WG1092116
Benzene	U		0.000298	0.00110	1	03/31/2018 22:53	WG1092116
Bromobenzene	U		0.000313	0.00110	1	03/31/2018 22:53	WG1092116
Bromodichloromethane	U		0.000280	0.00110	1	03/31/2018 22:53	WG1092116
Bromochloromethane	U		0.000430	0.00551	1	03/31/2018 22:53	WG1092116
Bromoform	U		0.000468	0.00110	1	03/31/2018 22:53	WG1092116
Bromomethane	U	J3	0.00148	0.00551	1	03/31/2018 22:53	WG1092116
n-Butylbenzene	U	J3	0.000285	0.00110	1	03/31/2018 22:53	WG1092116
sec-Butylbenzene	U	J3	0.000222	0.00110	1	03/31/2018 22:53	WG1092116
tert-Butylbenzene	U	J3	0.000227	0.00110	1	03/31/2018 22:53	WG1092116
Carbon disulfide	0.000822 J	J J3	0.000244	0.00110	1	03/31/2018 22:53	WG1092116
Carbon tetrachloride	U	J3	0.000362	0.00110	1	03/31/2018 22:53	WG1092116
Chlorobenzene	U		0.000234	0.00110	1	03/31/2018 22:53	WG1092116
Chlorodibromomethane	U		0.000411	0.00110	1	03/31/2018 22:53	WG1092116
Chloroethane	U	J3	0.00104	0.00551	1	03/31/2018 22:53	WG1092116
Chloroform	U		0.000253	0.00551	1	03/31/2018 22:53	WG1092116
Chloromethane	U	J3	0.000414	0.00276	1	03/31/2018 22:53	WG1092116
2-Chlorotoluene	U		0.000332	0.00110	1	03/31/2018 22:53	WG1092116
4-Chlorotoluene	U		0.000265	0.00110	1	03/31/2018 22:53	WG1092116
1,2-Dibromo-3-Chloropropane	U		0.00116	0.00551	1	03/31/2018 22:53	WG1092116
1,2-Dibromoethane	U		0.000378	0.00110	1	03/31/2018 22:53	WG1092116
Dibromomethane	U		0.000421	0.00110	1	03/31/2018 22:53	WG1092116
1,2-Dichlorobenzene	U		0.000336	0.00110	1	03/31/2018 22:53	WG1092116
1,3-Dichlorobenzene	U		0.000264	0.00110	1	03/31/2018 22:53	WG1092116
1,4-Dichlorobenzene	U		0.000249	0.00110	1	03/31/2018 22:53	WG1092116
Dichlorodifluoromethane	U	J3	0.000786	0.00551	1	03/31/2018 22:53	WG1092116
1,1-Dichloroethane	U		0.000219	0.00110	1	03/31/2018 22:53	WG1092116
1,2-Dichloroethane	U		0.000292	0.00110	1	03/31/2018 22:53	WG1092116
1,1-Dichloroethene	0.000845 J	J J3	0.000334	0.00110	1	03/31/2018 22:53	WG1092116
cis-1,2-Dichloroethene	2.00		0.00648	0.0276	25	04/06/2018 00:44	WG1092116
trans-1,2-Dichloroethene	0.0665	J3	0.000291	0.00110	1	03/31/2018 22:53	WG1092116
1,2-Dichloropropane	U		0.000395	0.00110	1	03/31/2018 22:53	WG1092116
1,1-Dichloropropene	U		0.000350	0.00110	1	03/31/2018 22:53	WG1092116
1,3-Dichloropropane	U		0.000228	0.00110	1	03/31/2018 22:53	WG1092116
cis-1,3-Dichloropropene	U		0.000289	0.00110	1	03/31/2018 22:53	WG1092116
trans-1,3-Dichloropropene	U		0.000294	0.00110	1	03/31/2018 22:53	WG1092116
trans-1,4-Dichloro-2-butene	U		0.000858	0.00276	1	03/31/2018 22:53	WG1092116
2,2-Dichloropropane	U	J3	0.000308	0.00110	1	03/31/2018 22:53	WG1092116
Di-isopropyl ether	U		0.000274	0.00110	1	03/31/2018 22:53	WG1092116
Ethylbenzene	U	J3	0.000328	0.00110	1	03/31/2018 22:53	WG1092116
Hexachloro-1,3-butadiene	U	J3	0.000377	0.00110	1	03/31/2018 22:53	WG1092116
2-Hexanone	U		0.00151	0.0110	1	03/31/2018 22:53	WG1092116
n-Hexane	U	J3	0.000320	0.0110	1	03/31/2018 22:53	WG1092116
Iodomethane	U	J3	0.00279	0.0110	1	03/31/2018 22:53	WG1092116
Isopropylbenzene	U		0.000268	0.00110	1	03/31/2018 22:53	WG1092116
p-Isopropyltoluene	U	J3	0.000225	0.00110	1	03/31/2018 22:53	WG1092116
2-Butanone (MEK)	U	J3	0.00516	0.0110	1	03/31/2018 22:53	WG1092116
Methylene Chloride	U		0.00110	0.00551	1	03/31/2018 22:53	WG1092116
4-Methyl-2-pentanone (MIBK)	U		0.00207	0.0110	1	03/31/2018 22:53	WG1092116

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000234	0.00110	1	03/31/2018 22:53	WG1092116
Naphthalene	U		0.00110	0.00551	1	03/31/2018 22:53	WG1092116
n-Propylbenzene	U		0.000227	0.00110	1	03/31/2018 22:53	WG1092116
Styrene	U		0.000258	0.00110	1	03/31/2018 22:53	WG1092116
1,1,1,2-Tetrachloroethane	U		0.000291	0.00110	1	03/31/2018 22:53	WG1092116
1,1,2,2-Tetrachloroethane	U		0.000403	0.00110	1	03/31/2018 22:53	WG1092116
1,1,2-Trichlorotrifluoroethane	U	J3	0.000403	0.00110	1	03/31/2018 22:53	WG1092116
Tetrachloroethene	0.00131	J3	0.000304	0.00110	1	03/31/2018 22:53	WG1092116
Toluene	U		0.000479	0.00551	1	03/31/2018 22:53	WG1092116
1,2,3-Trichlorobenzene	U		0.000337	0.00110	1	03/31/2018 22:53	WG1092116
1,2,4-Trichlorobenzene	U		0.000428	0.00110	1	03/31/2018 22:53	WG1092116
1,1,1-Trichloroethane	U	J3	0.000315	0.00110	1	03/31/2018 22:53	WG1092116
1,1,2-Trichloroethane	U		0.000305	0.00110	1	03/31/2018 22:53	WG1092116
Trichloroethene	0.000382 J	J J4	0.000308	0.00110	1	03/31/2018 22:53	WG1092116
Trichlorofluoromethane	U	J3	0.000421	0.00551	1	03/31/2018 22:53	WG1092116
1,2,3-Trichloropropane	U		0.000817	0.00276	1	03/31/2018 22:53	WG1092116
1,2,4-Trimethylbenzene	U		0.000233	0.00110	1	03/31/2018 22:53	WG1092116
1,2,3-Trimethylbenzene	U		0.000317	0.00110	1	03/31/2018 22:53	WG1092116
1,3,5-Trimethylbenzene	U		0.000293	0.00110	1	03/31/2018 22:53	WG1092116
Vinyl acetate	U	J3	0.00264	0.0110	1	03/31/2018 22:53	WG1092116
Vinyl chloride	1.35	J3	0.00803	0.0276	25	04/06/2018 00:44	WG1092116
Xylenes, Total	U	J3	0.000770	0.00331	1	03/31/2018 22:53	WG1092116
(S) Toluene-d8	*97.8*			*80.0-120*		*03/31/2018 22:53*	WG1092116
(S) Toluene-d8	*97.5*			*80.0-120*		*04/06/2018 00:44*	WG1092116
(S) Dibromofluoromethane	*111*			*74.0-131*		*03/31/2018 22:53*	WG1092116
(S) Dibromofluoromethane	*95.2*			*74.0-131*		*04/06/2018 00:44*	WG1092116
(S) 4-Bromofluorobenzene	*103*			*64.0-132*		*03/31/2018 22:53*	WG1092116
(S) 4-Bromofluorobenzene	*98.8*			*64.0-132*		*04/06/2018 00:44*	WG1092116

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Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	88.9		1	04/04/2018 14:27	WG1093165

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U	J3	0.281	1.41	25	04/01/2018 01:19	WG1092116
Acrylonitrile	U	J3	0.0504	0.281	25	04/01/2018 01:19	WG1092116
Benzene	U	J3	0.00759	0.0281	25	04/01/2018 01:19	WG1092116
Bromobenzene	U	J3	0.00799	0.0281	25	04/01/2018 01:19	WG1092116
Bromodichloromethane	U	J3 J5	0.00714	0.0281	25	04/01/2018 01:19	WG1092116
Bromochloromethane	U	J3 J5	0.0110	0.141	25	04/01/2018 01:19	WG1092116
Bromoform	U	J3	0.0119	0.0281	25	04/01/2018 01:19	WG1092116
Bromomethane	U	J3	0.0377	0.141	25	04/01/2018 01:19	WG1092116
n-Butylbenzene	U	J3	0.00726	0.0281	25	04/01/2018 01:19	WG1092116
sec-Butylbenzene	U	J3	0.00565	0.0281	25	04/01/2018 01:19	WG1092116
tert-Butylbenzene	U	J3	0.00579	0.0281	25	04/01/2018 01:19	WG1092116
Carbon disulfide	U	J3 J5	0.00621	0.0281	25	04/01/2018 01:19	WG1092116
Carbon tetrachloride	U	J3	0.00923	0.0281	25	04/01/2018 01:19	WG1092116
Chlorobenzene	U	J3	0.00596	0.0281	25	04/01/2018 01:19	WG1092116
Chlorodibromomethane	U	J3	0.0105	0.0281	25	04/01/2018 01:19	WG1092116
Chloroethane	U	J3	0.0266	0.141	25	04/01/2018 01:19	WG1092116
Chloroform	U	J3	0.00644	0.141	25	04/01/2018 01:19	WG1092116
Chloromethane	U	J3	0.0106	0.0703	25	04/01/2018 01:19	WG1092116
2-Chlorotoluene	U	J3	0.00846	0.0281	25	04/01/2018 01:19	WG1092116
4-Chlorotoluene	U	J3	0.00675	0.0281	25	04/01/2018 01:19	WG1092116
1,2-Dibromo-3-Chloropropane	U	J3	0.0295	0.141	25	04/01/2018 01:19	WG1092116
1,2-Dibromoethane	U	J3	0.00965	0.0281	25	04/01/2018 01:19	WG1092116
Dibromomethane	U	J3 J5	0.0107	0.0281	25	04/01/2018 01:19	WG1092116
1,2-Dichlorobenzene	U	J3	0.00857	0.0281	25	04/01/2018 01:19	WG1092116
1,3-Dichlorobenzene	U	J3	0.00673	0.0281	25	04/01/2018 01:19	WG1092116
1,4-Dichlorobenzene	U	J3	0.00636	0.0281	25	04/01/2018 01:19	WG1092116
Dichlorodifluoromethane	U	J3	0.0200	0.141	25	04/01/2018 01:19	WG1092116
1,1-Dichloroethane	U	J3	0.00560	0.0281	25	04/01/2018 01:19	WG1092116
1,2-Dichloroethane	U	J3	0.00745	0.0281	25	04/01/2018 01:19	WG1092116
1,1-Dichloroethene	U	J3	0.00853	0.0281	25	04/01/2018 01:19	WG1092116
cis-1,2-Dichloroethene	0.886		0.00662	0.0281	25	04/01/2018 01:19	WG1092116
trans-1,2-Dichloroethene	0.0882 J	J3 J5	0.00743	0.0281	25	04/01/2018 01:19	WG1092116
1,2-Dichloropropane	U	J3	0.0101	0.0281	25	04/01/2018 01:19	WG1092116
1,1-Dichloropropene	U	J3	0.00891	0.0281	25	04/01/2018 01:19	WG1092116
1,3-Dichloropropane	U	J3	0.00583	0.0281	25	04/01/2018 01:19	WG1092116
cis-1,3-Dichloropropene	U	J3	0.00737	0.0281	25	04/01/2018 01:19	WG1092116
trans-1,3-Dichloropropene	U	J3	0.00752	0.0281	25	04/01/2018 01:19	WG1092116
trans-1,4-Dichloro-2-butene	U	J3	0.0218	0.0703	25	04/01/2018 01:19	WG1092116
2,2-Dichloropropane	U	J3	0.00785	0.0281	25	04/01/2018 01:19	WG1092116
Di-isopropyl ether	U	J3	0.00698	0.0281	25	04/01/2018 01:19	WG1092116
Ethylbenzene	U	J3	0.00835	0.0281	25	04/01/2018 01:19	WG1092116
Hexachloro-1,3-butadiene	U	J3	0.00962	0.0281	25	04/01/2018 01:19	WG1092116
2-Hexanone	U	J3	0.0385	0.281	25	04/01/2018 01:19	WG1092116
n-Hexane	U	J3 J5	0.00816	0.281	25	04/01/2018 01:19	WG1092116
Iodomethane	U	J3	0.0711	0.281	25	04/01/2018 01:19	WG1092116
Isopropylbenzene	U	J3	0.00684	0.0281	25	04/01/2018 01:19	WG1092116
p-Isopropyltoluene	U	J3	0.00574	0.0281	25	04/01/2018 01:19	WG1092116
2-Butanone (MEK)	U	J3	0.132	0.281	25	04/01/2018 01:19	WG1092116
Methylene Chloride	U	J3 J5	0.0281	0.141	25	04/01/2018 01:19	WG1092116
4-Methyl-2-pentanone (MIBK)	U	J3	0.0529	0.281	25	04/01/2018 01:19	WG1092116

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg		Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		J3 J5	0.00596	0.0281	25	04/01/2018 01:19	WG1092116
Naphthalene	U		J3	0.0281	0.141	25	04/01/2018 01:19	WG1092116
n-Propylbenzene	U		J3	0.00579	0.0281	25	04/01/2018 01:19	WG1092116
Styrene	U		J3	0.00658	0.0281	25	04/01/2018 01:19	WG1092116
1,1,1,2-Tetrachloroethane	U		J3	0.00743	0.0281	25	04/01/2018 01:19	WG1092116
1,1,2,2-Tetrachloroethane	U		J3	0.0103	0.0281	25	04/01/2018 01:19	WG1092116
1,1,2-Trichlorotrifluoroethane	U		J3	0.0103	0.0281	25	04/01/2018 01:19	WG1092116
Tetrachloroethene	0.237		J3	0.00776	0.0281	25	04/01/2018 01:19	WG1092116
Toluene	U		J3	0.0122	0.141	25	04/01/2018 01:19	WG1092116
1,2,3-Trichlorobenzene	U		J3	0.00861	0.0281	25	04/01/2018 01:19	WG1092116
1,2,4-Trichlorobenzene	U		J3	0.0109	0.0281	25	04/01/2018 01:19	WG1092116
1,1,1-Trichloroethane	U		J3	0.00804	0.0281	25	04/01/2018 01:19	WG1092116
1,1,2-Trichloroethane	U		J3	0.00779	0.0281	25	04/01/2018 01:19	WG1092116
Trichloroethene	0.0208	J	J J3 J4 J5	0.00785	0.0281	25	04/01/2018 01:19	WG1092116
Trichlorofluoromethane	U		J3	0.0107	0.141	25	04/01/2018 01:19	WG1092116
1,2,3-Trichloropropane	U		J3	0.0208	0.0703	25	04/01/2018 01:19	WG1092116
1,2,4-Trimethylbenzene	U		J3	0.00594	0.0281	25	04/01/2018 01:19	WG1092116
1,2,3-Trimethylbenzene	U		J3	0.00808	0.0281	25	04/01/2018 01:19	WG1092116
1,3,5-Trimethylbenzene	U		J3	0.00748	0.0281	25	04/01/2018 01:19	WG1092116
Vinyl acetate	U		J3	0.0673	0.281	25	04/01/2018 01:19	WG1092116
Vinyl chloride	0.256		J3	0.00819	0.0281	25	04/01/2018 01:19	WG1092116
Xylenes, Total	U		J3	0.0196	0.0844	25	04/01/2018 01:19	WG1092116
(S) Toluene-d8	*99.5*				*80.0-120*		*04/01/2018 01:19*	WG1092116
(S) Dibromofluoromethane	*102*				*74.0-131*		*04/01/2018 01:19*	WG1092116
(S) 4-Bromofluorobenzene	*102*				*64.0-132*		*04/01/2018 01:19*	WG1092116

Sample Narrative:

L981889-09 WG1092116: Cannot be analyzed at a lower dilution due to high levels of target analytes.

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Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	88.9		1	04/04/2018 14:27	WG1093165

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.0273 J	J J3	0.0113	0.0563	1	03/31/2018 23:13	WG1092116
Acrylonitrile	U		0.00201	0.0113	1	03/31/2018 23:13	WG1092116
Benzene	U		0.000304	0.00113	1	03/31/2018 23:13	WG1092116
Bromobenzene	U		0.000320	0.00113	1	03/31/2018 23:13	WG1092116
Bromodichloromethane	U		0.000286	0.00113	1	03/31/2018 23:13	WG1092116
Bromochloromethane	U		0.000439	0.00563	1	03/31/2018 23:13	WG1092116
Bromoform	U		0.000477	0.00113	1	03/31/2018 23:13	WG1092116
Bromomethane	U	J3	0.00151	0.00563	1	03/31/2018 23:13	WG1092116
n-Butylbenzene	U	J3	0.000290	0.00113	1	03/31/2018 23:13	WG1092116
sec-Butylbenzene	U	J3	0.000226	0.00113	1	03/31/2018 23:13	WG1092116
tert-Butylbenzene	U	J3	0.000232	0.00113	1	03/31/2018 23:13	WG1092116
Carbon disulfide	0.00162	J3	0.000249	0.00113	1	03/31/2018 23:13	WG1092116
Carbon tetrachloride	U	J3	0.000369	0.00113	1	03/31/2018 23:13	WG1092116
Chlorobenzene	U		0.000239	0.00113	1	03/31/2018 23:13	WG1092116
Chlorodibromomethane	U		0.000420	0.00113	1	03/31/2018 23:13	WG1092116
Chloroethane	U	J3	0.00106	0.00563	1	03/31/2018 23:13	WG1092116
Chloroform	U		0.000258	0.00563	1	03/31/2018 23:13	WG1092116
Chloromethane	0.00475	J3	0.000422	0.00281	1	03/31/2018 23:13	WG1092116
2-Chlorotoluene	U		0.000339	0.00113	1	03/31/2018 23:13	WG1092116
4-Chlorotoluene	U		0.000270	0.00113	1	03/31/2018 23:13	WG1092116
1,2-Dibromo-3-Chloropropane	U		0.00118	0.00563	1	03/31/2018 23:13	WG1092116
1,2-Dibromoethane	U		0.000386	0.00113	1	03/31/2018 23:13	WG1092116
Dibromomethane	U		0.000430	0.00113	1	03/31/2018 23:13	WG1092116
1,2-Dichlorobenzene	U		0.000343	0.00113	1	03/31/2018 23:13	WG1092116
1,3-Dichlorobenzene	U		0.000269	0.00113	1	03/31/2018 23:13	WG1092116
1,4-Dichlorobenzene	U		0.000254	0.00113	1	03/31/2018 23:13	WG1092116
Dichlorodifluoromethane	U	J3	0.000802	0.00563	1	03/31/2018 23:13	WG1092116
1,1-Dichloroethane	U		0.000224	0.00113	1	03/31/2018 23:13	WG1092116
1,2-Dichloroethane	U		0.000298	0.00113	1	03/31/2018 23:13	WG1092116
1,1-Dichloroethene	0.00376	J3	0.000341	0.00113	1	03/31/2018 23:13	WG1092116
cis-1,2-Dichloroethene	5.01		0.0529	0.225	200	04/06/2018 14:19	WG1092116
trans-1,2-Dichloroethene	0.0619	J3	0.000297	0.00113	1	03/31/2018 23:13	WG1092116
1,2-Dichloropropane	U		0.000403	0.00113	1	03/31/2018 23:13	WG1092116
1,1-Dichloropropene	U		0.000357	0.00113	1	03/31/2018 23:13	WG1092116
1,3-Dichloropropane	U		0.000233	0.00113	1	03/31/2018 23:13	WG1092116
cis-1,3-Dichloropropene	U		0.000295	0.00113	1	03/31/2018 23:13	WG1092116
trans-1,3-Dichloropropene	U		0.000301	0.00113	1	03/31/2018 23:13	WG1092116
trans-1,4-Dichloro-2-butene	U		0.000876	0.00281	1	03/31/2018 23:13	WG1092116
2,2-Dichloropropane	U	J3	0.000314	0.00113	1	03/31/2018 23:13	WG1092116
Di-isopropyl ether	U		0.000279	0.00113	1	03/31/2018 23:13	WG1092116
Ethylbenzene	U	J3	0.000334	0.00113	1	03/31/2018 23:13	WG1092116
Hexachloro-1,3-butadiene	U	J3	0.000385	0.00113	1	03/31/2018 23:13	WG1092116
2-Hexanone	U		0.00154	0.0113	1	03/31/2018 23:13	WG1092116
n-Hexane	U	J3	0.000326	0.0113	1	03/31/2018 23:13	WG1092116
Iodomethane	U	J3	0.00285	0.0113	1	03/31/2018 23:13	WG1092116
Isopropylbenzene	U		0.000273	0.00113	1	03/31/2018 23:13	WG1092116
p-Isopropyltoluene	U	J3	0.000230	0.00113	1	03/31/2018 23:13	WG1092116
2-Butanone (MEK)	0.00730 J	J J3	0.00527	0.0113	1	03/31/2018 23:13	WG1092116
Methylene Chloride	U		0.00113	0.00563	1	03/31/2018 23:13	WG1092116
4-Methyl-2-pentanone (MIBK)	U		0.00212	0.0113	1	03/31/2018 23:13	WG1092116

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B-244-45

Collected date/time: 03/28/18 11:02

SAMPLE RESULTS - 10

L981889

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000239	0.00113	1	03/31/2018 23:13	WG1092116
Naphthalene	U		0.00113	0.00563	1	03/31/2018 23:13	WG1092116
n-Propylbenzene	U		0.000232	0.00113	1	03/31/2018 23:13	WG1092116
Styrene	U		0.000263	0.00113	1	03/31/2018 23:13	WG1092116
1,1,1,2-Tetrachloroethane	U		0.000297	0.00113	1	03/31/2018 23:13	WG1092116
1,1,2,2-Tetrachloroethane	U		0.000411	0.00113	1	03/31/2018 23:13	WG1092116
1,1,2-Trichlorotrifluoroethane	U	J3	0.000411	0.00113	1	03/31/2018 23:13	WG1092116
Tetrachloroethene	0.0323	J3	0.000311	0.00113	1	03/31/2018 23:13	WG1092116
Toluene	U		0.000488	0.00563	1	03/31/2018 23:13	WG1092116
1,2,3-Trichlorobenzene	U		0.000344	0.00113	1	03/31/2018 23:13	WG1092116
1,2,4-Trichlorobenzene	U		0.000437	0.00113	1	03/31/2018 23:13	WG1092116
1,1,1-Trichloroethane	U	J3	0.000322	0.00113	1	03/31/2018 23:13	WG1092116
1,1,2-Trichloroethane	U		0.000312	0.00113	1	03/31/2018 23:13	WG1092116
Trichloroethene	0.0212	J4	0.000314	0.00113	1	03/31/2018 23:13	WG1092116
Trichlorofluoromethane	U	J3	0.000430	0.00563	1	03/31/2018 23:13	WG1092116
1,2,3-Trichloropropane	U		0.000834	0.00281	1	03/31/2018 23:13	WG1092116
1,2,4-Trimethylbenzene	U		0.000237	0.00113	1	03/31/2018 23:13	WG1092116
1,2,3-Trimethylbenzene	U		0.000323	0.00113	1	03/31/2018 23:13	WG1092116
1,3,5-Trimethylbenzene	U		0.000299	0.00113	1	03/31/2018 23:13	WG1092116
Vinyl acetate	U	J3	0.00269	0.0113	1	03/31/2018 23:13	WG1092116
Vinyl chloride	0.858	J3	0.0164	0.0563	50	04/06/2018 01:05	WG1092116
Xylenes, Total	U	J3	0.000786	0.00338	1	03/31/2018 23:13	WG1092116
(S) Toluene-d8	*101*			*80.0-120*		*03/31/2018 23:13*	WG1092116
(S) Toluene-d8	*104*			*80.0-120*		*04/06/2018 14:19*	WG1092116
(S) Toluene-d8	*93.2*			*80.0-120*		*04/06/2018 01:05*	WG1092116
(S) Dibromofluoromethane	*102*			*74.0-131*		*04/06/2018 14:19*	WG1092116
(S) Dibromofluoromethane	*110*			*74.0-131*		*03/31/2018 23:13*	WG1092116
(S) Dibromofluoromethane	*93.6*			*74.0-131*		*04/06/2018 01:05*	WG1092116
(S) 4-Bromofluorobenzene	*106*			*64.0-132*		*03/31/2018 23:13*	WG1092116
(S) 4-Bromofluorobenzene	*99.7*			*64.0-132*		*04/06/2018 14:19*	WG1092116
(S) 4-Bromofluorobenzene	*95.3*			*64.0-132*		*04/06/2018 01:05*	WG1092116

JC 4/25/18

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	90.4		1	04/04/2018 14:27	WG1093165

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch	
Acetone	0.0285 J	J J3	0.0111	0.0553	1	03/31/2018 23:34	WG1092116	
Acrylonitrile	U		0.00198	0.0111	1	03/31/2018 23:34	WG1092116	
Benzene	U		0.000299	0.00111	1	03/31/2018 23:34	WG1092116	
Bromobenzene	U		0.000314	0.00111	1	03/31/2018 23:34	WG1092116	
Bromodichloromethane	U		0.000281	0.00111	1	03/31/2018 23:34	WG1092116	
Bromochloromethane	U		0.000431	0.00553	1	03/31/2018 23:34	WG1092116	
Bromoform	U		0.000469	0.00111	1	03/31/2018 23:34	WG1092116	
Bromomethane	U	J3	0.00148	0.00553	1	03/31/2018 23:34	WG1092116	
n-Butylbenzene	U	J3	0.000285	0.00111	1	03/31/2018 23:34	WG1092116	
sec-Butylbenzene	U	J3	0.000222	0.00111	1	03/31/2018 23:34	WG1092116	
tert-Butylbenzene	U	J3	0.000228	0.00111	1	03/31/2018 23:34	WG1092116	
Carbon disulfide	0.00124	J3	0.000244	0.00111	1	03/31/2018 23:34	WG1092116	
Carbon tetrachloride	U	J3	0.000363	0.00111	1	03/31/2018 23:34	WG1092116	
Chlorobenzene	U		0.000234	0.00111	1	03/31/2018 23:34	WG1092116	
Chlorodibromomethane	U		0.000413	0.00111	1	03/31/2018 23:34	WG1092116	
Chloroethane	U	J3	0.00105	0.00553	1	03/31/2018 23:34	WG1092116	
Chloroform	U		0.000253	0.00553	1	03/31/2018 23:34	WG1092116	
Chloromethane	0.000967 J	J J3	0.000415	0.00276	1	03/31/2018 23:34	WG1092116	
2-Chlorotoluene	U		0.000333	0.00111	1	03/31/2018 23:34	WG1092116	
4-Chlorotoluene	U		0.000265	0.00111	1	03/31/2018 23:34	WG1092116	
1,2-Dibromo-3-Chloropropane	U		0.00116	0.00553	1	03/31/2018 23:34	WG1092116	
1,2-Dibromoethane	U		0.000379	0.00111	1	03/31/2018 23:34	WG1092116	
Dibromomethane	U		0.000422	0.00111	1	03/31/2018 23:34	WG1092116	
1,2-Dichlorobenzene	U		0.000337	0.00111	1	03/31/2018 23:34	WG1092116	
1,3-Dichlorobenzene	U		0.000264	0.00111	1	03/31/2018 23:34	WG1092116	
1,4-Dichlorobenzene	U		0.000250	0.00111	1	03/31/2018 23:34	WG1092116	
Dichlorodifluoromethane	U	J3	0.000789	0.00553	1	03/31/2018 23:34	WG1092116	
1,1-Dichloroethane	U		0.000220	0.00111	1	03/31/2018 23:34	WG1092116	
1,2-Dichloroethane	U		0.000293	0.00111	1	03/31/2018 23:34	WG1092116	
1,1-Dichloroethene	0.00268	J3	0.000335	0.00111	1	03/31/2018 23:34	WG1092116	
cis-1,2-Dichloroethene	4.57		0.0130	0.0553	50	04/06/2018 01:26	WG1092116	
trans-1,2-Dichloroethene	0.0339	J3	0.000292	0.00111	1	03/31/2018 23:34	WG1092116	
1,2-Dichloropropane	U		0.000396	0.00111	1	03/31/2018 23:34	WG1092116	
1,1-Dichloropropene	U		0.000351	0.00111	1	03/31/2018 23:34	WG1092116	
1,3-Dichloropropane	U		0.000229	0.00111	1	03/31/2018 23:34	WG1092116	
cis-1,3-Dichloropropene	U		0.000290	0.00111	1	03/31/2018 23:34	WG1092116	
trans-1,3-Dichloropropene	U		0.000295	0.00111	1	03/31/2018 23:34	WG1092116	
trans-1,4-Dichloro-2-butene	U		0.000860	0.00276	1	03/31/2018 23:34	WG1092116	
2,2-Dichloropropane	U	J3	0.000309	0.00111	1	03/31/2018 23:34	WG1092116	
Di-isopropyl ether	U		0.000274	0.00111	1	03/31/2018 23:34	WG1092116	
Ethylbenzene	U	J3	0.000328	0.00111	1	03/31/2018 23:34	WG1092116	
Hexachloro-1,3-butadiene	U	J3	0.000378	0.00111	1	03/31/2018 23:34	WG1092116	
2-Hexanone	U		0.00152	0.0111	1	03/31/2018 23:34	WG1092116	
n-Hexane	U	J3	0.000321	0.0111	1	03/31/2018 23:34	WG1092116	JC 4/25/18
Iodomethane	U	J3	0.00280	0.0111	1	03/31/2018 23:34	WG1092116	
Isopropylbenzene	U		0.000269	0.00111	1	03/31/2018 23:34	WG1092116	
p-Isopropyltoluene	U	J3	0.000226	0.00111	1	03/31/2018 23:34	WG1092116	
2-Butanone (MEK)	U	J3	0.00518	0.0111	1	03/31/2018 23:34	WG1092116	
Methylene Chloride	U		0.00111	0.00553	1	03/31/2018 23:34	WG1092116	
4-Methyl-2-pentanone (MIBK)	U		0.00208	0.0111	1	03/31/2018 23:34	WG1092116	

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000234	0.00111	1	03/31/2018 23:34	WG1092116
Naphthalene	U		0.00111	0.00553	1	03/31/2018 23:34	WG1092116
n-Propylbenzene	U		0.000228	0.00111	1	03/31/2018 23:34	WG1092116
Styrene	U		0.000259	0.00111	1	03/31/2018 23:34	WG1092116
1,1,1,2-Tetrachloroethane	U		0.000292	0.00111	1	03/31/2018 23:34	WG1092116
1,1,2,2-Tetrachloroethane	U		0.000404	0.00111	1	03/31/2018 23:34	WG1092116
1,1,2-Trichlorotrifluoroethane	U	J3	0.000404	0.00111	1	03/31/2018 23:34	WG1092116
Tetrachloroethene	0.0352	J3	0.000305	0.00111	1	03/31/2018 23:34	WG1092116
Toluene	U		0.000480	0.00553	1	03/31/2018 23:34	WG1092116
1,2,3-Trichlorobenzene	U		0.000338	0.00111	1	03/31/2018 23:34	WG1092116
1,2,4-Trichlorobenzene	U		0.000429	0.00111	1	03/31/2018 23:34	WG1092116
1,1,1-Trichloroethane	U	J3	0.000316	0.00111	1	03/31/2018 23:34	WG1092116
1,1,2-Trichloroethane	U		0.000306	0.00111	1	03/31/2018 23:34	WG1092116
Trichloroethene	0.0107	J4	0.000309	0.00111	1	03/31/2018 23:34	WG1092116
Trichlorofluoromethane	U	J3	0.000422	0.00553	1	03/31/2018 23:34	WG1092116
1,2,3-Trichloropropane	U		0.000819	0.00276	1	03/31/2018 23:34	WG1092116
1,2,4-Trimethylbenzene	U		0.000233	0.00111	1	03/31/2018 23:34	WG1092116
1,2,3-Trimethylbenzene	U		0.000317	0.00111	1	03/31/2018 23:34	WG1092116
1,3,5-Trimethylbenzene	U		0.000294	0.00111	1	03/31/2018 23:34	WG1092116
Vinyl acetate	U	J3	0.00264	0.0111	1	03/31/2018 23:34	WG1092116
Vinyl chloride	0.0824	J3	0.000322	0.00111	1	03/31/2018 23:34	WG1092116
Xylenes, Total	U	J3	0.000772	0.00332	1	03/31/2018 23:34	WG1092116
(S) Toluene-d8	*107*			*80.0-120*		*04/06/2018 01:26*	WG1092116
(S) Toluene-d8	*99.1*			*80.0-120*		*03/31/2018 23:34*	WG1092116
(S) Dibromofluoromethane	*109*			*74.0-131*		*03/31/2018 23:34*	WG1092116
(S) Dibromofluoromethane	*93.0*			*74.0-131*		*04/06/2018 01:26*	WG1092116
(S) 4-Bromofluorobenzene	*98.2*			*64.0-132*		*04/06/2018 01:26*	WG1092116
(S) 4-Bromofluorobenzene	*105*			*64.0-132*		*03/31/2018 23:34*	WG1092116

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Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	90.8		1	04/04/2018 14:27	WG1093165

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.0177 J	J J3	0.0110	0.0551	1	03/31/2018 23:55	WG1092116
Acrylonitrile	U		0.00197	0.0110	1	03/31/2018 23:55	WG1092116
Benzene	U		0.000297	0.00110	1	03/31/2018 23:55	WG1092116
Bromobenzene	U		0.000313	0.00110	1	03/31/2018 23:55	WG1092116
Bromodichloromethane	U		0.000280	0.00110	1	03/31/2018 23:55	WG1092116
Bromochloromethane	U		0.000429	0.00551	1	03/31/2018 23:55	WG1092116
Bromoform	U		0.000467	0.00110	1	03/31/2018 23:55	WG1092116
Bromomethane	U	J3	0.00148	0.00551	1	03/31/2018 23:55	WG1092116
n-Butylbenzene	U	J3	0.000284	0.00110	1	03/31/2018 23:55	WG1092116
sec-Butylbenzene	U	J3	0.000221	0.00110	1	03/31/2018 23:55	WG1092116
tert-Butylbenzene	U	J3	0.000227	0.00110	1	03/31/2018 23:55	WG1092116
Carbon disulfide	0.00270	J3	0.000243	0.00110	1	03/31/2018 23:55	WG1092116
Carbon tetrachloride	U	J3	0.000361	0.00110	1	03/31/2018 23:55	WG1092116
Chlorobenzene	U		0.000233	0.00110	1	03/31/2018 23:55	WG1092116
Chlorodibromomethane	U		0.000411	0.00110	1	03/31/2018 23:55	WG1092116
Chloroethane	U	J3	0.00104	0.00551	1	03/31/2018 23:55	WG1092116
Chloroform	U		0.000252	0.00551	1	03/31/2018 23:55	WG1092116
Chloromethane	U	J3	0.000413	0.00275	1	03/31/2018 23:55	WG1092116
2-Chlorotoluene	U		0.000331	0.00110	1	03/31/2018 23:55	WG1092116
4-Chlorotoluene	U		0.000264	0.00110	1	03/31/2018 23:55	WG1092116
1,2-Dibromo-3-Chloropropane	U		0.00116	0.00551	1	03/31/2018 23:55	WG1092116
1,2-Dibromoethane	U		0.000378	0.00110	1	03/31/2018 23:55	WG1092116
Dibromomethane	U		0.000421	0.00110	1	03/31/2018 23:55	WG1092116
1,2-Dichlorobenzene	U		0.000336	0.00110	1	03/31/2018 23:55	WG1092116
1,3-Dichlorobenzene	U		0.000263	0.00110	1	03/31/2018 23:55	WG1092116
1,4-Dichlorobenzene	U		0.000249	0.00110	1	03/31/2018 23:55	WG1092116
Dichlorodifluoromethane	U	J3	0.000785	0.00551	1	03/31/2018 23:55	WG1092116
1,1-Dichloroethane	U		0.000219	0.00110	1	03/31/2018 23:55	WG1092116
1,2-Dichloroethane	U		0.000292	0.00110	1	03/31/2018 23:55	WG1092116
1,1-Dichloroethene	0.00501	J3	0.000334	0.00110	1	03/31/2018 23:55	WG1092116
cis-1,2-Dichloroethene	6.54		0.259	1.10	1000	04/06/2018 14:58	WG1092116
trans-1,2-Dichloroethene	0.0502	J3	0.000291	0.00110	1	03/31/2018 23:55	WG1092116
1,2-Dichloropropane	U		0.000394	0.00110	1	03/31/2018 23:55	WG1092116
1,1-Dichloropropene	U		0.000349	0.00110	1	03/31/2018 23:55	WG1092116
1,3-Dichloropropane	U		0.000228	0.00110	1	03/31/2018 23:55	WG1092116
cis-1,3-Dichloropropene	U		0.000288	0.00110	1	03/31/2018 23:55	WG1092116
trans-1,3-Dichloropropene	U		0.000294	0.00110	1	03/31/2018 23:55	WG1092116
trans-1,4-Dichloro-2-butene	U		0.000857	0.00275	1	03/31/2018 23:55	WG1092116
2,2-Dichloropropane	U	J3	0.000307	0.00110	1	03/31/2018 23:55	WG1092116
Di-isopropyl ether	U		0.000273	0.00110	1	03/31/2018 23:55	WG1092116
Ethylbenzene	U	J3	0.000327	0.00110	1	03/31/2018 23:55	WG1092116
Hexachloro-1,3-butadiene	U	J3	0.000377	0.00110	1	03/31/2018 23:55	WG1092116
2-Hexanone	U		0.00151	0.0110	1	03/31/2018 23:55	WG1092116
n-Hexane	U	J3	0.000319	0.0110	1	03/31/2018 23:55	WG1092116
Iodomethane	U	J3	0.00279	0.0110	1	03/31/2018 23:55	WG1092116
Isopropylbenzene	U		0.000268	0.00110	1	03/31/2018 23:55	WG1092116
p-Isopropyltoluene	U	J3	0.000225	0.00110	1	03/31/2018 23:55	WG1092116
2-Butanone (MEK)	U	J3	0.00515	0.0110	1	03/31/2018 23:55	WG1092116
Methylene Chloride	U		0.00110	0.00551	1	03/31/2018 23:55	WG1092116
4-Methyl-2-pentanone (MIBK)	U		0.00207	0.0110	1	03/31/2018 23:55	WG1092116

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000233	0.00110	1	03/31/2018 23:55	WG1092116
Naphthalene	U		0.00110	0.00551	1	03/31/2018 23:55	WG1092116
n-Propylbenzene	U		0.000227	0.00110	1	03/31/2018 23:55	WG1092116
Styrene	U		0.000258	0.00110	1	03/31/2018 23:55	WG1092116
1,1,1,2-Tetrachloroethane	U		0.000291	0.00110	1	03/31/2018 23:55	WG1092116
1,1,2,2-Tetrachloroethane	U		0.000402	0.00110	1	03/31/2018 23:55	WG1092116
1,1,2-Trichlorotrifluoroethane	U	J3	0.000402	0.00110	1	03/31/2018 23:55	WG1092116
Tetrachloroethene	0.0635	J3	0.000304	0.00110	1	03/31/2018 23:55	WG1092116
Toluene	U		0.000478	0.00551	1	03/31/2018 23:55	WG1092116
1,2,3-Trichlorobenzene	U		0.000337	0.00110	1	03/31/2018 23:55	WG1092116
1,2,4-Trichlorobenzene	U		0.000427	0.00110	1	03/31/2018 23:55	WG1092116
1,1,1-Trichloroethane	U	J3	0.000315	0.00110	1	03/31/2018 23:55	WG1092116
1,1,2-Trichloroethane	U		0.000305	0.00110	1	03/31/2018 23:55	WG1092116
Trichloroethene	0.0408	J4	0.000307	0.00110	1	03/31/2018 23:55	WG1092116
Trichlorofluoromethane	U	J3	0.000421	0.00551	1	03/31/2018 23:55	WG1092116
1,2,3-Trichloropropane	U		0.000816	0.00275	1	03/31/2018 23:55	WG1092116
1,2,4-Trimethylbenzene	U		0.000232	0.00110	1	03/31/2018 23:55	WG1092116
1,2,3-Trimethylbenzene	U		0.000316	0.00110	1	03/31/2018 23:55	WG1092116
1,3,5-Trimethylbenzene	U		0.000293	0.00110	1	03/31/2018 23:55	WG1092116
Vinyl acetate	U	J3	0.00263	0.0110	1	03/31/2018 23:55	WG1092116
Vinyl chloride	0.0120	J3	0.000320	0.00110	1	03/31/2018 23:55	WG1092116
Xylenes, Total	U	J3	0.000769	0.00330	1	03/31/2018 23:55	WG1092116
(S) Toluene-d8	*105*			*80.0-120*		*04/06/2018 14:58*	WG1092116
(S) Toluene-d8	*98.4*			*80.0-120*		*03/31/2018 23:55*	WG1092116
(S) Dibromofluoromethane	*108*			*74.0-131*		*03/31/2018 23:55*	WG1092116
(S) Dibromofluoromethane	*100*			*74.0-131*		*04/06/2018 14:58*	WG1092116
(S) 4-Bromofluorobenzene	*106*			*64.0-132*		*03/31/2018 23:55*	WG1092116
(S) 4-Bromofluorobenzene	*99.7*			*64.0-132*		*04/06/2018 14:58*	WG1092116

JC 4/25/18

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	89.6		1	04/04/2018 14:27	WG1093165

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.0411 J	J J3	0.0112	0.0558	1	04/01/2018 00:16	WG1092116
Acrylonitrile	U		0.00200	0.0112	1	04/01/2018 00:16	WG1092116
Benzene	U		0.000301	0.00112	1	04/01/2018 00:16	WG1092116
Bromobenzene	U		0.000317	0.00112	1	04/01/2018 00:16	WG1092116
Bromodichloromethane	U		0.000284	0.00112	1	04/01/2018 00:16	WG1092116
Bromochloromethane	U		0.000435	0.00558	1	04/01/2018 00:16	WG1092116
Bromoform	U		0.000473	0.00112	1	04/01/2018 00:16	WG1092116
Bromomethane	U	J3	0.00150	0.00558	1	04/01/2018 00:16	WG1092116
n-Butylbenzene	U	J3	0.000288	0.00112	1	04/01/2018 00:16	WG1092116
sec-Butylbenzene	U	J3	0.000224	0.00112	1	04/01/2018 00:16	WG1092116
tert-Butylbenzene	U	J3	0.000230	0.00112	1	04/01/2018 00:16	WG1092116
Carbon disulfide	0.00140	J3	0.000247	0.00112	1	04/01/2018 00:16	WG1092116
Carbon tetrachloride	U	J3	0.000366	0.00112	1	04/01/2018 00:16	WG1092116
Chlorobenzene	U		0.000237	0.00112	1	04/01/2018 00:16	WG1092116
Chlorodibromomethane	U		0.000416	0.00112	1	04/01/2018 00:16	WG1092116
Chloroethane	U	J3	0.00106	0.00558	1	04/01/2018 00:16	WG1092116
Chloroform	U		0.000256	0.00558	1	04/01/2018 00:16	WG1092116
Chloromethane	U	J3	0.000419	0.00279	1	04/01/2018 00:16	WG1092116
2-Chlorotoluene	U		0.000336	0.00112	1	04/01/2018 00:16	WG1092116
4-Chlorotoluene	U		0.000268	0.00112	1	04/01/2018 00:16	WG1092116
1,2-Dibromo-3-Chloropropane	U		0.00117	0.00558	1	04/01/2018 00:16	WG1092116
1,2-Dibromoethane	U		0.000383	0.00112	1	04/01/2018 00:16	WG1092116
Dibromomethane	U		0.000426	0.00112	1	04/01/2018 00:16	WG1092116
1,2-Dichlorobenzene	U		0.000340	0.00112	1	04/01/2018 00:16	WG1092116
1,3-Dichlorobenzene	U		0.000267	0.00112	1	04/01/2018 00:16	WG1092116
1,4-Dichlorobenzene	U		0.000252	0.00112	1	04/01/2018 00:16	WG1092116
Dichlorodifluoromethane	U	J3	0.000796	0.00558	1	04/01/2018 00:16	WG1092116
1,1-Dichloroethane	U		0.000222	0.00112	1	04/01/2018 00:16	WG1092116
1,2-Dichloroethane	U		0.000296	0.00112	1	04/01/2018 00:16	WG1092116
1,1-Dichloroethene	0.00703	J3	0.000338	0.00112	1	04/01/2018 00:16	WG1092116
cis-1,2-Dichloroethene	4.83		0.0525	0.223	200	04/06/2018 14:00	WG1092116
trans-1,2-Dichloroethene	0.0297	J3	0.000295	0.00112	1	04/01/2018 00:16	WG1092116
1,2-Dichloropropane	U		0.000400	0.00112	1	04/01/2018 00:16	WG1092116
1,1-Dichloropropene	U		0.000354	0.00112	1	04/01/2018 00:16	WG1092116
1,3-Dichloropropane	U		0.000231	0.00112	1	04/01/2018 00:16	WG1092116
cis-1,3-Dichloropropene	U		0.000292	0.00112	1	04/01/2018 00:16	WG1092116
trans-1,3-Dichloropropene	U		0.000298	0.00112	1	04/01/2018 00:16	WG1092116
trans-1,4-Dichloro-2-butene	U		0.000869	0.00279	1	04/01/2018 00:16	WG1092116
2,2-Dichloropropane	U	J3	0.000311	0.00112	1	04/01/2018 00:16	WG1092116
Di-isopropyl ether	U		0.000277	0.00112	1	04/01/2018 00:16	WG1092116
Ethylbenzene	U	J3	0.000332	0.00112	1	04/01/2018 00:16	WG1092116
Hexachloro-1,3-butadiene	U	J3	0.000382	0.00112	1	04/01/2018 00:16	WG1092116
2-Hexanone	U		0.00153	0.0112	1	04/01/2018 00:16	WG1092116
n-Hexane	U	J3	0.000324	0.0112	1	04/01/2018 00:16	WG1092116
Iodomethane	U	J3	0.00282	0.0112	1	04/01/2018 00:16	WG1092116
Isopropylbenzene	U		0.000271	0.00112	1	04/01/2018 00:16	WG1092116
p-Isopropyltoluene	U	J3	0.000228	0.00112	1	04/01/2018 00:16	WG1092116
2-Butanone (MEK)	U	J3	0.00522	0.0112	1	04/01/2018 00:16	WG1092116
Methylene Chloride	U		0.00112	0.00558	1	04/01/2018 00:16	WG1092116
4-Methyl-2-pentanone (MIBK)	U		0.00210	0.0112	1	04/01/2018 00:16	WG1092116

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000237	0.00112	1	04/01/2018 00:16	WG1092116
Naphthalene	U		0.00112	0.00558	1	04/01/2018 00:16	WG1092116
n-Propylbenzene	U		0.000230	0.00112	1	04/01/2018 00:16	WG1092116
Styrene	U		0.000261	0.00112	1	04/01/2018 00:16	WG1092116
1,1,1,2-Tetrachloroethane	U		0.000295	0.00112	1	04/01/2018 00:16	WG1092116
1,1,2,2-Tetrachloroethane	U		0.000407	0.00112	1	04/01/2018 00:16	WG1092116
1,1,2-Trichlorotrifluoroethane	U	J3	0.000407	0.00112	1	04/01/2018 00:16	WG1092116
Tetrachloroethene	5.05	J3	0.0616	0.223	200	04/06/2018 14:00	WG1092116
Toluene	U		0.000485	0.00558	1	04/01/2018 00:16	WG1092116
1,2,3-Trichlorobenzene	U		0.000342	0.00112	1	04/01/2018 00:16	WG1092116
1,2,4-Trichlorobenzene	U		0.000433	0.00112	1	04/01/2018 00:16	WG1092116
1,1,1-Trichloroethane	U	J3	0.000319	0.00112	1	04/01/2018 00:16	WG1092116
1,1,2-Trichloroethane	U		0.000309	0.00112	1	04/01/2018 00:16	WG1092116
Trichloroethene	0.127	J4	0.000311	0.00112	1	04/01/2018 00:16	WG1092116
Trichlorofluoromethane	U	J3	0.000426	0.00558	1	04/01/2018 00:16	WG1092116
1,2,3-Trichloropropane	U		0.000827	0.00279	1	04/01/2018 00:16	WG1092116
1,2,4-Trimethylbenzene	U		0.000236	0.00112	1	04/01/2018 00:16	WG1092116
1,2,3-Trimethylbenzene	U		0.000320	0.00112	1	04/01/2018 00:16	WG1092116
1,3,5-Trimethylbenzene	U		0.000297	0.00112	1	04/01/2018 00:16	WG1092116
Vinyl acetate	U	J3	0.00267	0.0112	1	04/01/2018 00:16	WG1092116
Vinyl chloride	0.0104	J3	0.000325	0.00112	1	04/01/2018 00:16	WG1092116
Xylenes, Total	U	J3	0.000779	0.00335	1	04/01/2018 00:16	WG1092116
(S) Toluene-d8	*98.2*			*80.0-120*		*04/01/2018 00:16*	WG1092116
(S) Toluene-d8	*87.0*			*80.0-120*		*04/06/2018 14:00*	WG1092116
(S) Dibromofluoromethane	*99.8*			*74.0-131*		*04/06/2018 14:00*	WG1092116
(S) Dibromofluoromethane	*107*			*74.0-131*		*04/01/2018 00:16*	WG1092116
(S) 4-Bromofluorobenzene	*98.7*			*64.0-132*		*04/06/2018 14:00*	WG1092116
(S) 4-Bromofluorobenzene	*103*			*64.0-132*		*04/01/2018 00:16*	WG1092116

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Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	88.2		1	04/04/2018 14:27	WG1093165

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.0220 J	J J3	0.0113	0.0567	1	04/01/2018 00:37	WG1092116
Acrylonitrile	U		0.00203	0.0113	1	04/01/2018 00:37	WG1092116
Benzene	0.00184		0.000306	0.00113	1	04/01/2018 00:37	WG1092116
Bromobenzene	U		0.000322	0.00113	1	04/01/2018 00:37	WG1092116
Bromodichloromethane	U		0.000288	0.00113	1	04/01/2018 00:37	WG1092116
Bromochloromethane	U		0.000442	0.00567	1	04/01/2018 00:37	WG1092116
Bromoform	U		0.000481	0.00113	1	04/01/2018 00:37	WG1092116
Bromomethane	U	J3	0.00152	0.00567	1	04/01/2018 00:37	WG1092116
n-Butylbenzene	U	J3	0.000293	0.00113	1	04/01/2018 00:37	WG1092116
sec-Butylbenzene	U	J3	0.000228	0.00113	1	04/01/2018 00:37	WG1092116
tert-Butylbenzene	U	J3	0.000234	0.00113	1	04/01/2018 00:37	WG1092116
Carbon disulfide	0.00144	J3	0.000251	0.00113	1	04/01/2018 00:37	WG1092116
Carbon tetrachloride	U	J3	0.000372	0.00113	1	04/01/2018 00:37	WG1092116
Chlorobenzene	U		0.000240	0.00113	1	04/01/2018 00:37	WG1092116
Chlorodibromomethane	U		0.000423	0.00113	1	04/01/2018 00:37	WG1092116
Chloroethane	U	J3	0.00107	0.00567	1	04/01/2018 00:37	WG1092116
Chloroform	U		0.000260	0.00567	1	04/01/2018 00:37	WG1092116
Chloromethane	U	J3	0.000425	0.00283	1	04/01/2018 00:37	WG1092116
2-Chlorotoluene	U		0.000341	0.00113	1	04/01/2018 00:37	WG1092116
4-Chlorotoluene	U		0.000272	0.00113	1	04/01/2018 00:37	WG1092116
1,2-Dibromo-3-Chloropropane	U		0.00119	0.00567	1	04/01/2018 00:37	WG1092116
1,2-Dibromoethane	U		0.000389	0.00113	1	04/01/2018 00:37	WG1092116
Dibromomethane	U		0.000433	0.00113	1	04/01/2018 00:37	WG1092116
1,2-Dichlorobenzene	U		0.000346	0.00113	1	04/01/2018 00:37	WG1092116
1,3-Dichlorobenzene	U		0.000271	0.00113	1	04/01/2018 00:37	WG1092116
1,4-Dichlorobenzene	U		0.000256	0.00113	1	04/01/2018 00:37	WG1092116
Dichlorodifluoromethane	U	J3	0.000808	0.00567	1	04/01/2018 00:37	WG1092116
1,1-Dichloroethane	U		0.000226	0.00113	1	04/01/2018 00:37	WG1092116
1,2-Dichloroethane	U		0.000300	0.00113	1	04/01/2018 00:37	WG1092116
1,1-Dichloroethene	0.00576	J3	0.000344	0.00113	1	04/01/2018 00:37	WG1092116
cis-1,2-Dichloroethene	0.918		0.0151	0.0641	56.5	04/06/2018 02:30	WG1092116
trans-1,2-Dichloroethene	0.0169	J3	0.000299	0.00113	1	04/01/2018 00:37	WG1092116
1,2-Dichloropropane	U		0.000406	0.00113	1	04/01/2018 00:37	WG1092116
1,1-Dichloropropene	U		0.000359	0.00113	1	04/01/2018 00:37	WG1092116
1,3-Dichloropropane	U		0.000235	0.00113	1	04/01/2018 00:37	WG1092116
cis-1,3-Dichloropropene	U		0.000297	0.00113	1	04/01/2018 00:37	WG1092116
trans-1,3-Dichloropropene	U		0.000303	0.00113	1	04/01/2018 00:37	WG1092116
trans-1,4-Dichloro-2-butene	U		0.000882	0.00283	1	04/01/2018 00:37	WG1092116
2,2-Dichloropropane	U	J3	0.000316	0.00113	1	04/01/2018 00:37	WG1092116
Di-isopropyl ether	U		0.000281	0.00113	1	04/01/2018 00:37	WG1092116
Ethylbenzene	U	J3	0.000337	0.00113	1	04/01/2018 00:37	WG1092116
Hexachloro-1,3-butadiene	U	J3	0.000388	0.00113	1	04/01/2018 00:37	WG1092116
2-Hexanone	U		0.00155	0.0113	1	04/01/2018 00:37	WG1092116
n-Hexane	U	J3	0.000329	0.0113	1	04/01/2018 00:37	WG1092116
Iodomethane	U	J3	0.00287	0.0113	1	04/01/2018 00:37	WG1092116
Isopropylbenzene	U		0.000275	0.00113	1	04/01/2018 00:37	WG1092116
p-Isopropyltoluene	U	J3	0.000231	0.00113	1	04/01/2018 00:37	WG1092116
2-Butanone (MEK)	0.00655 J	J J3	0.00531	0.0113	1	04/01/2018 00:37	WG1092116
Methylene Chloride	U		0.00113	0.00567	1	04/01/2018 00:37	WG1092116
4-Methyl-2-pentanone (MIBK)	U		0.00213	0.0113	1	04/01/2018 00:37	WG1092116

JC 4/25/18

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000240	0.00113	1	04/01/2018 00:37	WG1092116
Naphthalene	U		0.00113	0.00567	1	04/01/2018 00:37	WG1092116
n-Propylbenzene	U		0.000234	0.00113	1	04/01/2018 00:37	WG1092116
Styrene	U		0.000265	0.00113	1	04/01/2018 00:37	WG1092116
1,1,1,2-Tetrachloroethane	U		0.000299	0.00113	1	04/01/2018 00:37	WG1092116
1,1,2,2-Tetrachloroethane	U		0.000414	0.00113	1	04/01/2018 00:37	WG1092116
1,1,2-Trichlorotrifluoroethane	U	J3	0.000414	0.00113	1	04/01/2018 00:37	WG1092116
Tetrachloroethene	0.504	J3	0.0177	0.0641	56.5	04/06/2018 02:30	WG1092116
Toluene	0.000670 J	J	0.000492	0.00567	1	04/01/2018 00:37	WG1092116
1,2,3-Trichlorobenzene	U		0.000347	0.00113	1	04/01/2018 00:37	WG1092116
1,2,4-Trichlorobenzene	U		0.000440	0.00113	1	04/01/2018 00:37	WG1092116
1,1,1-Trichloroethane	U	J3	0.000324	0.00113	1	04/01/2018 00:37	WG1092116
1,1,2-Trichloroethane	U		0.000314	0.00113	1	04/01/2018 00:37	WG1092116
Trichloroethene	0.0970	J4	0.000316	0.00113	1	04/01/2018 00:37	WG1092116
Trichlorofluoromethane	U	J3	0.000433	0.00567	1	04/01/2018 00:37	WG1092116
1,2,3-Trichloropropane	U		0.000840	0.00283	1	04/01/2018 00:37	WG1092116
1,2,4-Trimethylbenzene	U		0.000239	0.00113	1	04/01/2018 00:37	WG1092116
1,2,3-Trimethylbenzene	U		0.000325	0.00113	1	04/01/2018 00:37	WG1092116
1,3,5-Trimethylbenzene	U		0.000302	0.00113	1	04/01/2018 00:37	WG1092116
Vinyl acetate	U	J3	0.00271	0.0113	1	04/01/2018 00:37	WG1092116
Vinyl chloride	0.0244	J3	0.000330	0.00113	1	04/01/2018 00:37	WG1092116
Xylenes, Total	U	J3	0.000791	0.00340	1	04/01/2018 00:37	WG1092116
(S) Toluene-d8	*100*			*80.0-120*		*04/01/2018 00:37*	WG1092116
(S) Toluene-d8	*103*			*80.0-120*		*04/06/2018 02:30*	WG1092116
(S) Dibromofluoromethane	*93.8*			*74.0-131*		*04/06/2018 02:30*	WG1092116
(S) Dibromofluoromethane	*104*			*74.0-131*		*04/01/2018 00:37*	WG1092116
(S) 4-Bromofluorobenzene	*96.7*			*64.0-132*		*04/06/2018 02:30*	WG1092116
(S) 4-Bromofluorobenzene	*109*			*64.0-132*		*04/01/2018 00:37*	WG1092116

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

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Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	92.1		1	04/04/2018 14:27	WG1093165

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg		Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.0157	J	J J3	0.0109	0.0543	1	04/01/2018 00:58	WG1092116
Acrylonitrile	U			0.00194	0.0109	1	04/01/2018 00:58	WG1092116
Benzene	U			0.000293	0.00109	1	04/01/2018 00:58	WG1092116
Bromobenzene	U			0.000308	0.00109	1	04/01/2018 00:58	WG1092116
Bromodichloromethane	U			0.000276	0.00109	1	04/01/2018 00:58	WG1092116
Bromochloromethane	U			0.000423	0.00543	1	04/01/2018 00:58	WG1092116
Bromoform	U			0.000460	0.00109	1	04/01/2018 00:58	WG1092116
Bromomethane	U		J3	0.00145	0.00543	1	04/01/2018 00:58	WG1092116
n-Butylbenzene	U		J3	0.000280	0.00109	1	04/01/2018 00:58	WG1092116
sec-Butylbenzene	U		J3	0.000218	0.00109	1	04/01/2018 00:58	WG1092116
tert-Butylbenzene	U		J3	0.000224	0.00109	1	04/01/2018 00:58	WG1092116
Carbon disulfide	0.00118		J3	0.000240	0.00109	1	04/01/2018 00:58	WG1092116
Carbon tetrachloride	U		J3	0.000356	0.00109	1	04/01/2018 00:58	WG1092116
Chlorobenzene	U			0.000230	0.00109	1	04/01/2018 00:58	WG1092116
Chlorodibromomethane	U			0.000405	0.00109	1	04/01/2018 00:58	WG1092116
Chloroethane	U		J3	0.00103	0.00543	1	04/01/2018 00:58	WG1092116
Chloroform	U			0.000249	0.00543	1	04/01/2018 00:58	WG1092116
Chloromethane	U		J3	0.000407	0.00271	1	04/01/2018 00:58	WG1092116
2-Chlorotoluene	U			0.000327	0.00109	1	04/01/2018 00:58	WG1092116
4-Chlorotoluene	U			0.000261	0.00109	1	04/01/2018 00:58	WG1092116
1,2-Dibromo-3-Chloropropane	U			0.00114	0.00543	1	04/01/2018 00:58	WG1092116
1,2-Dibromoethane	U			0.000372	0.00109	1	04/01/2018 00:58	WG1092116
Dibromomethane	U			0.000415	0.00109	1	04/01/2018 00:58	WG1092116
1,2-Dichlorobenzene	U			0.000331	0.00109	1	04/01/2018 00:58	WG1092116
1,3-Dichlorobenzene	U			0.000259	0.00109	1	04/01/2018 00:58	WG1092116
1,4-Dichlorobenzene	U			0.000245	0.00109	1	04/01/2018 00:58	WG1092116
Dichlorodifluoromethane	U		J3	0.000774	0.00543	1	04/01/2018 00:58	WG1092116
1,1-Dichloroethane	U			0.000216	0.00109	1	04/01/2018 00:58	WG1092116
1,2-Dichloroethane	U			0.000288	0.00109	1	04/01/2018 00:58	WG1092116
1,1-Dichloroethene	0.0119		J3	0.000329	0.00109	1	04/01/2018 00:58	WG1092116
cis-1,2-Dichloroethene	6.08			0.255	1.09	1000	04/06/2018 14:39	WG1092116
trans-1,2-Dichloroethene	0.0240		J3	0.000287	0.00109	1	04/01/2018 00:58	WG1092116
1,2-Dichloropropane	U			0.000389	0.00109	1	04/01/2018 00:58	WG1092116
1,1-Dichloropropene	U			0.000344	0.00109	1	04/01/2018 00:58	WG1092116
1,3-Dichloropropane	U			0.000225	0.00109	1	04/01/2018 00:58	WG1092116
cis-1,3-Dichloropropene	U			0.000284	0.00109	1	04/01/2018 00:58	WG1092116
trans-1,3-Dichloropropene	U			0.000290	0.00109	1	04/01/2018 00:58	WG1092116
trans-1,4-Dichloro-2-butene	U			0.000845	0.00271	1	04/01/2018 00:58	WG1092116
2,2-Dichloropropane	U		J3	0.000303	0.00109	1	04/01/2018 00:58	WG1092116
Di-isopropyl ether	U			0.000269	0.00109	1	04/01/2018 00:58	WG1092116
Ethylbenzene	U		J3	0.000322	0.00109	1	04/01/2018 00:58	WG1092116
Hexachloro-1,3-butadiene	U		J3	0.000371	0.00109	1	04/01/2018 00:58	WG1092116
2-Hexanone	U			0.00149	0.0109	1	04/01/2018 00:58	WG1092116
n-Hexane	U		J3	0.000315	0.0109	1	04/01/2018 00:58	WG1092116
Iodomethane	U		J3	0.00275	0.0109	1	04/01/2018 00:58	WG1092116
Isopropylbenzene	U			0.000264	0.00109	1	04/01/2018 00:58	WG1092116
p-Isopropyltoluene	U		J3	0.000221	0.00109	1	04/01/2018 00:58	WG1092116
2-Butanone (MEK)	U		J3	0.00508	0.0109	1	04/01/2018 00:58	WG1092116
Methylene Chloride	U			0.00109	0.00543	1	04/01/2018 00:58	WG1092116
4-Methyl-2-pentanone (MIBK)	U			0.00204	0.0109	1	04/01/2018 00:58	WG1092116

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Volatile Organic Compounds (GC/MS) by Method 8260C

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg		date / time	
Methyl tert-butyl ether	U		0.000230	0.00109	1	04/01/2018 00:58	WG1092116
Naphthalene	U		0.00109	0.00543	1	04/01/2018 00:58	WG1092116
n-Propylbenzene	U		0.000224	0.00109	1	04/01/2018 00:58	WG1092116
Styrene	U		0.000254	0.00109	1	04/01/2018 00:58	WG1092116
1,1,1,2-Tetrachloroethane	U		0.000287	0.00109	1	04/01/2018 00:58	WG1092116
1,1,2,2-Tetrachloroethane	U		0.000396	0.00109	1	04/01/2018 00:58	WG1092116
1,1,2-Trichlorotrifluoroethane	U	J3	0.000396	0.00109	1	04/01/2018 00:58	WG1092116
Tetrachloroethene	0.0620 J	J3	0.000300	0.00109	1	04/01/2018 00:58	WG1092116
Toluene	U		0.000471	0.00543	1	04/01/2018 00:58	WG1092116
1,2,3-Trichlorobenzene	U		0.000332	0.00109	1	04/01/2018 00:58	WG1092116
1,2,4-Trichlorobenzene	U		0.000421	0.00109	1	04/01/2018 00:58	WG1092116
1,1,1-Trichloroethane	U	J3	0.000310	0.00109	1	04/01/2018 00:58	WG1092116
1,1,2-Trichloroethane	U		0.000301	0.00109	1	04/01/2018 00:58	WG1092116
Trichloroethene	0.0320 J	J4	0.000303	0.00109	1	04/01/2018 00:58	WG1092116
Trichlorofluoromethane	U	J3	0.000415	0.00543	1	04/01/2018 00:58	WG1092116
1,2,3-Trichloropropane	U		0.000804	0.00271	1	04/01/2018 00:58	WG1092116
1,2,4-Trimethylbenzene	U		0.000229	0.00109	1	04/01/2018 00:58	WG1092116
1,2,3-Trimethylbenzene	U		0.000312	0.00109	1	04/01/2018 00:58	WG1092116
1,3,5-Trimethylbenzene	U		0.000289	0.00109	1	04/01/2018 00:58	WG1092116
Vinyl acetate	U	J3	0.00259	0.0109	1	04/01/2018 00:58	WG1092116
Vinyl chloride	0.00878 J	J3	0.000316	0.00109	1	04/01/2018 00:58	WG1092116
Xylenes, Total	U	J3	0.000758	0.00326	1	04/01/2018 00:58	WG1092116
(S) Toluene-d8	*101*			*80.0-120*		*04/06/2018 14:39*	WG1092116
(S) Toluene-d8	*100*			*80.0-120*		*04/01/2018 00:58*	WG1092116
(S) Dibromofluoromethane	*107*			*74.0-131*		*04/06/2018 14:39*	WG1092116
(S) Dibromofluoromethane	*108*			*74.0-131*		*04/01/2018 00:58*	WG1092116
(S) 4-Bromofluorobenzene	*105*			*64.0-132*		*04/01/2018 00:58*	WG1092116
(S) 4-Bromofluorobenzene	*96.0*			*64.0-132*		*04/06/2018 14:39*	WG1092116

Field duplicate

JC 4/25/18

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	87.2		1	04/04/2018 14:27	WG1093165

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.0128 J	J	0.0115	0.0573	1	04/02/2018 01:40	WG1092315
Acrylonitrile	U		0.00205	0.0115	1	04/02/2018 01:40	WG1092315
Benzene	U		0.000310	0.00115	1	04/02/2018 01:40	WG1092315
Bromobenzene	U		0.000326	0.00115	1	04/02/2018 01:40	WG1092315
Bromodichloromethane	U		0.000291	0.00115	1	04/02/2018 01:40	WG1092315
Bromochloromethane	U		0.000447	0.00573	1	04/02/2018 01:40	WG1092315
Bromoform	U		0.000486	0.00115	1	04/02/2018 01:40	WG1092315
Bromomethane	U		0.00154	0.00573	1	04/02/2018 01:40	WG1092315
n-Butylbenzene	U		0.000296	0.00115	1	04/02/2018 01:40	WG1092315
sec-Butylbenzene	U		0.000231	0.00115	1	04/02/2018 01:40	WG1092315
tert-Butylbenzene	U		0.000236	0.00115	1	04/02/2018 01:40	WG1092315
Carbon disulfide	0.000969 J	J	0.000253	0.00115	1	04/02/2018 01:40	WG1092315
Carbon tetrachloride	U		0.000376	0.00115	1	04/02/2018 01:40	WG1092315
Chlorobenzene	U		0.000243	0.00115	1	04/02/2018 01:40	WG1092315
Chlorodibromomethane	U		0.000428	0.00115	1	04/02/2018 01:40	WG1092315
Chloroethane	U		0.00108	0.00573	1	04/02/2018 01:40	WG1092315
Chloroform	U		0.000263	0.00573	1	04/02/2018 01:40	WG1092315
Chloromethane	U		0.000430	0.00287	1	04/02/2018 01:40	WG1092315
2-Chlorotoluene	U		0.000345	0.00115	1	04/02/2018 01:40	WG1092315
4-Chlorotoluene	U		0.000275	0.00115	1	04/02/2018 01:40	WG1092315
1,2-Dibromo-3-Chloropropane	U		0.00120	0.00573	1	04/02/2018 01:40	WG1092315
1,2-Dibromoethane	U		0.000393	0.00115	1	04/02/2018 01:40	WG1092315
Dibromomethane	U		0.000438	0.00115	1	04/02/2018 01:40	WG1092315
1,2-Dichlorobenzene	U		0.000350	0.00115	1	04/02/2018 01:40	WG1092315
1,3-Dichlorobenzene	U		0.000274	0.00115	1	04/02/2018 01:40	WG1092315
1,4-Dichlorobenzene	U		0.000259	0.00115	1	04/02/2018 01:40	WG1092315
Dichlorodifluoromethane	U		0.000818	0.00573	1	04/02/2018 01:40	WG1092315
1,1-Dichloroethane	U		0.000228	0.00115	1	04/02/2018 01:40	WG1092315
1,2-Dichloroethane	U		0.000304	0.00115	1	04/02/2018 01:40	WG1092315
1,1-Dichloroethene	0.00664		0.000348	0.00115	1	04/02/2018 01:40	WG1092315
cis-1,2-Dichloroethene	5.77		0.0135	0.0573	50	04/06/2018 04:15	WG1092315
trans-1,2-Dichloroethene	0.00337		0.000303	0.00115	1	04/02/2018 01:40	WG1092315
1,2-Dichloropropane	U		0.000411	0.00115	1	04/02/2018 01:40	WG1092315
1,1-Dichloropropene	U		0.000364	0.00115	1	04/02/2018 01:40	WG1092315
1,3-Dichloropropane	U		0.000237	0.00115	1	04/02/2018 01:40	WG1092315
cis-1,3-Dichloropropene	U		0.000300	0.00115	1	04/02/2018 01:40	WG1092315
trans-1,3-Dichloropropene	U		0.000306	0.00115	1	04/02/2018 01:40	WG1092315
trans-1,4-Dichloro-2-butene	U		0.000892	0.00287	1	04/02/2018 01:40	WG1092315
2,2-Dichloropropane	U		0.000320	0.00115	1	04/02/2018 01:40	WG1092315
Di-isopropyl ether	U		0.000284	0.00115	1	04/02/2018 01:40	WG1092315
Ethylbenzene	U		0.000341	0.00115	1	04/02/2018 01:40	WG1092315
Hexachloro-1,3-butadiene	U		0.000392	0.00115	1	04/02/2018 01:40	WG1092315
2-Hexanone	U		0.00157	0.0115	1	04/02/2018 01:40	WG1092315
n-Hexane	0.000507 U	B J	0.000333	0.0115	1	04/02/2018 01:40	WG1092315
Iodomethane	U		0.00290	0.0115	1	04/02/2018 01:40	WG1092315
Isopropylbenzene	U		0.000279	0.00115	1	04/02/2018 01:40	WG1092315
p-Isopropyltoluene	U		0.000234	0.00115	1	04/02/2018 01:40	WG1092315
2-Butanone (MEK)	U		0.00537	0.0115	1	04/02/2018 01:40	WG1092315
Methylene Chloride	U		0.00115	0.00573	1	04/02/2018 01:40	WG1092315
4-Methyl-2-pentanone (MIBK)	U		0.00216	0.0115	1	04/02/2018 01:40	WG1092315

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B-244-75

Collected date/time: 03/28/18 13:05

SAMPLE RESULTS - 16

L981889

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000243	0.00115	1	04/02/2018 01:40	WG1092315
Naphthalene	U		0.00115	0.00573	1	04/02/2018 01:40	WG1092315
n-Propylbenzene	U		0.000236	0.00115	1	04/02/2018 01:40	WG1092315
Styrene	U		0.000268	0.00115	1	04/02/2018 01:40	WG1092315
1,1,1,2-Tetrachloroethane	U		0.000303	0.00115	1	04/02/2018 01:40	WG1092315
1,1,2,2-Tetrachloroethane	U		0.000419	0.00115	1	04/02/2018 01:40	WG1092315
1,1,2-Trichlorotrifluoroethane	U		0.000419	0.00115	1	04/02/2018 01:40	WG1092315
Tetrachloroethene	0.00375		0.000317	0.00115	1	04/02/2018 01:40	WG1092315
Toluene	U		0.000498	0.00573	1	04/02/2018 01:40	WG1092315
1,2,3-Trichlorobenzene	U		0.000351	0.00115	1	04/02/2018 01:40	WG1092315
1,2,4-Trichlorobenzene	U		0.000445	0.00115	1	04/02/2018 01:40	WG1092315
1,1,1-Trichloroethane	U		0.000328	0.00115	1	04/02/2018 01:40	WG1092315
1,1,2-Trichloroethane	U		0.000318	0.00115	1	04/02/2018 01:40	WG1092315
Trichloroethene	0.00183		0.000320	0.00115	1	04/02/2018 01:40	WG1092315
Trichlorofluoromethane	U		0.000438	0.00573	1	04/02/2018 01:40	WG1092315
1,2,3-Trichloropropane	U		0.000850	0.00287	1	04/02/2018 01:40	WG1092315
1,2,4-Trimethylbenzene	U		0.000242	0.00115	1	04/02/2018 01:40	WG1092315
1,2,3-Trimethylbenzene	U		0.000329	0.00115	1	04/02/2018 01:40	WG1092315
1,3,5-Trimethylbenzene	U		0.000305	0.00115	1	04/02/2018 01:40	WG1092315
Vinyl acetate	U		0.00274	0.0115	1	04/02/2018 01:40	WG1092315
Vinyl chloride	0.0252		0.000334	0.00115	1	04/02/2018 01:40	WG1092315
Xylenes, Total	U		0.000801	0.00344	1	04/02/2018 01:40	WG1092315
(S) Toluene-d8	*103*			*80.0-120*		*04/02/2018 01:40*	WG1092315
(S) Toluene-d8	*106*			*80.0-120*		*04/06/2018 04:15*	WG1092315
(S) Dibromofluoromethane	*91.5*			*74.0-131*		*04/06/2018 04:15*	WG1092315
(S) Dibromofluoromethane	*99.9*			*74.0-131*		*04/02/2018 01:40*	WG1092315
(S) 4-Bromofluorobenzene	*102*			*64.0-132*		*04/02/2018 01:40*	WG1092315
(S) 4-Bromofluorobenzene	*96.7*			*64.0-132*		*04/06/2018 04:15*	WG1092315

JC 4/25/18

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	86.0		1	04/04/2018 14:27	WG1093165

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg		Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U			0.0116	0.0581	1	04/02/2018 02:01	WG1092315
Acrylonitrile	U			0.00208	0.0116	1	04/02/2018 02:01	WG1092315
Benzene	U			0.000314	0.00116	1	04/02/2018 02:01	WG1092315
Bromobenzene	U			0.000330	0.00116	1	04/02/2018 02:01	WG1092315
Bromodichloromethane	U			0.000295	0.00116	1	04/02/2018 02:01	WG1092315
Bromochloromethane	U			0.000453	0.00581	1	04/02/2018 02:01	WG1092315
Bromoform	U			0.000493	0.00116	1	04/02/2018 02:01	WG1092315
Bromomethane	U			0.00156	0.00581	1	04/02/2018 02:01	WG1092315
n-Butylbenzene	U			0.000300	0.00116	1	04/02/2018 02:01	WG1092315
sec-Butylbenzene	U			0.000234	0.00116	1	04/02/2018 02:01	WG1092315
tert-Butylbenzene	U			0.000239	0.00116	1	04/02/2018 02:01	WG1092315
Carbon disulfide	U			0.000257	0.00116	1	04/02/2018 02:01	WG1092315
Carbon tetrachloride	U			0.000381	0.00116	1	04/02/2018 02:01	WG1092315
Chlorobenzene	U			0.000246	0.00116	1	04/02/2018 02:01	WG1092315
Chlorodibromomethane	U			0.000434	0.00116	1	04/02/2018 02:01	WG1092315
Chloroethane	U			0.00110	0.00581	1	04/02/2018 02:01	WG1092315
Chloroform	U			0.000266	0.00581	1	04/02/2018 02:01	WG1092315
Chloromethane	U			0.000436	0.00291	1	04/02/2018 02:01	WG1092315
2-Chlorotoluene	U			0.000350	0.00116	1	04/02/2018 02:01	WG1092315
4-Chlorotoluene	U			0.000279	0.00116	1	04/02/2018 02:01	WG1092315
1,2-Dibromo-3-Chloropropane	U			0.00122	0.00581	1	04/02/2018 02:01	WG1092315
1,2-Dibromoethane	U			0.000399	0.00116	1	04/02/2018 02:01	WG1092315
Dibromomethane	U			0.000444	0.00116	1	04/02/2018 02:01	WG1092315
1,2-Dichlorobenzene	U			0.000355	0.00116	1	04/02/2018 02:01	WG1092315
1,3-Dichlorobenzene	U			0.000278	0.00116	1	04/02/2018 02:01	WG1092315
1,4-Dichlorobenzene	U			0.000263	0.00116	1	04/02/2018 02:01	WG1092315
Dichlorodifluoromethane	U			0.000829	0.00581	1	04/02/2018 02:01	WG1092315
1,1-Dichloroethane	U			0.000231	0.00116	1	04/02/2018 02:01	WG1092315
1,2-Dichloroethane	U			0.000308	0.00116	1	04/02/2018 02:01	WG1092315
1,1-Dichloroethene	U			0.000352	0.00116	1	04/02/2018 02:01	WG1092315
cis-1,2-Dichloroethene	0.0188			0.000273	0.00116	1	04/06/2018 04:37	WG1092315
trans-1,2-Dichloroethene	0.000314	J	J	0.000307	0.00116	1	04/02/2018 02:01	WG1092315
1,2-Dichloropropane	U			0.000416	0.00116	1	04/02/2018 02:01	WG1092315
1,1-Dichloropropene	U			0.000369	0.00116	1	04/02/2018 02:01	WG1092315
1,3-Dichloropropane	U			0.000241	0.00116	1	04/02/2018 02:01	WG1092315
cis-1,3-Dichloropropene	U			0.000305	0.00116	1	04/02/2018 02:01	WG1092315
trans-1,3-Dichloropropene	U			0.000310	0.00116	1	04/02/2018 02:01	WG1092315
trans-1,4-Dichloro-2-butene	U			0.000904	0.00291	1	04/02/2018 02:01	WG1092315
2,2-Dichloropropane	U			0.000324	0.00116	1	04/02/2018 02:01	WG1092315
Di-isopropyl ether	U			0.000288	0.00116	1	04/02/2018 02:01	WG1092315
Ethylbenzene	U			0.000345	0.00116	1	04/02/2018 02:01	WG1092315
Hexachloro-1,3-butadiene	U			0.000398	0.00116	1	04/02/2018 02:01	WG1092315
2-Hexanone	U			0.00159	0.0116	1	04/02/2018 02:01	WG1092315
n-Hexane	0.000649	U	B J	0.000337	0.0116	1	04/02/2018 02:01	WG1092315
Iodomethane	U			0.00294	0.0116	1	04/02/2018 02:01	WG1092315
Isopropylbenzene	U			0.000282	0.00116	1	04/02/2018 02:01	WG1092315
p-Isopropyltoluene	U			0.000237	0.00116	1	04/02/2018 02:01	WG1092315
2-Butanone (MEK)	U			0.00544	0.0116	1	04/02/2018 02:01	WG1092315
Methylene Chloride	U			0.00116	0.00581	1	04/02/2018 02:01	WG1092315
4-Methyl-2-pentanone (MIBK)	U			0.00219	0.0116	1	04/02/2018 02:01	WG1092315

JC 4/25/18

B-244-80

Collected date/time: 03/28/18 13:13

SAMPLE RESULTS - 17

L981889

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000246	0.00116	1	04/02/2018 02:01	WG1092315
Naphthalene	U		0.00116	0.00581	1	04/02/2018 02:01	WG1092315
n-Propylbenzene	U		0.000239	0.00116	1	04/02/2018 02:01	WG1092315
Styrene	U		0.000272	0.00116	1	04/02/2018 02:01	WG1092315
1,1,1,2-Tetrachloroethane	U		0.000307	0.00116	1	04/02/2018 02:01	WG1092315
1,1,2,2-Tetrachloroethane	U		0.000424	0.00116	1	04/02/2018 02:01	WG1092315
1,1,2-Trichlorotrifluoroethane	U		0.000424	0.00116	1	04/02/2018 02:01	WG1092315
Tetrachloroethene	0.00219		0.000321	0.00116	1	04/02/2018 02:01	WG1092315
Toluene	U		0.000505	0.00581	1	04/02/2018 02:01	WG1092315
1,2,3-Trichlorobenzene	U		0.000356	0.00116	1	04/02/2018 02:01	WG1092315
1,2,4-Trichlorobenzene	U		0.000451	0.00116	1	04/02/2018 02:01	WG1092315
1,1,1-Trichloroethane	U		0.000332	0.00116	1	04/02/2018 02:01	WG1092315
1,1,2-Trichloroethane	U		0.000322	0.00116	1	04/02/2018 02:01	WG1092315
Trichloroethene	0.000678 J	J	0.000324	0.00116	1	04/02/2018 02:01	WG1092315
Trichlorofluoromethane	U		0.000444	0.00581	1	04/02/2018 02:01	WG1092315
1,2,3-Trichloropropane	U		0.000861	0.00291	1	04/02/2018 02:01	WG1092315
1,2,4-Trimethylbenzene	U		0.000245	0.00116	1	04/02/2018 02:01	WG1092315
1,2,3-Trimethylbenzene	U		0.000334	0.00116	1	04/02/2018 02:01	WG1092315
1,3,5-Trimethylbenzene	U		0.000309	0.00116	1	04/02/2018 02:01	WG1092315
Vinyl acetate	U		0.00278	0.0116	1	04/02/2018 02:01	WG1092315
Vinyl chloride	0.00399		0.000338	0.00116	1	04/02/2018 02:01	WG1092315
Xylenes, Total	U		0.000811	0.00349	1	04/02/2018 02:01	WG1092315
(S) Toluene-d8	*104*			*80.0-120*		*04/02/2018 02:01*	WG1092315
(S) Toluene-d8	*101*			*80.0-120*		*04/06/2018 04:37*	WG1092315
(S) Dibromofluoromethane	*102*			*74.0-131*		*04/02/2018 02:01*	WG1092315
(S) Dibromofluoromethane	*100*			*74.0-131*		*04/06/2018 04:37*	WG1092315
(S) 4-Bromofluorobenzene	*97.4*			*64.0-132*		*04/06/2018 04:37*	WG1092315
(S) 4-Bromofluorobenzene	*103*			*64.0-132*		*04/02/2018 02:01*	WG1092315

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Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	91.9		1	04/04/2018 14:27	WG1093165

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.0151 J	J	0.0109	0.0544	1	04/02/2018 02:22	WG1092315
Acrylonitrile	U		0.00195	0.0109	1	04/02/2018 02:22	WG1092315
Benzene	U		0.000294	0.00109	1	04/02/2018 02:22	WG1092315
Bromobenzene	U		0.000309	0.00109	1	04/02/2018 02:22	WG1092315
Bromodichloromethane	U		0.000277	0.00109	1	04/02/2018 02:22	WG1092315
Bromochloromethane	U		0.000425	0.00544	1	04/02/2018 02:22	WG1092315
Bromoform	U		0.000462	0.00109	1	04/02/2018 02:22	WG1092315
Bromomethane	U		0.00146	0.00544	1	04/02/2018 02:22	WG1092315
n-Butylbenzene	U		0.000281	0.00109	1	04/02/2018 02:22	WG1092315
sec-Butylbenzene	U		0.000219	0.00109	1	04/02/2018 02:22	WG1092315
tert-Butylbenzene	U		0.000224	0.00109	1	04/02/2018 02:22	WG1092315
Carbon disulfide	0.000931 J	J	0.000241	0.00109	1	04/02/2018 02:22	WG1092315
Carbon tetrachloride	U		0.000357	0.00109	1	04/02/2018 02:22	WG1092315
Chlorobenzene	U		0.000231	0.00109	1	04/02/2018 02:22	WG1092315
Chlorodibromomethane	U		0.000406	0.00109	1	04/02/2018 02:22	WG1092315
Chloroethane	U		0.00103	0.00544	1	04/02/2018 02:22	WG1092315
Chloroform	U		0.000249	0.00544	1	04/02/2018 02:22	WG1092315
Chloromethane	U		0.000408	0.00272	1	04/02/2018 02:22	WG1092315
2-Chlorotoluene	U		0.000328	0.00109	1	04/02/2018 02:22	WG1092315
4-Chlorotoluene	U		0.000261	0.00109	1	04/02/2018 02:22	WG1092315
1,2-Dibromo-3-Chloropropane	U		0.00114	0.00544	1	04/02/2018 02:22	WG1092315
1,2-Dibromoethane	U		0.000373	0.00109	1	04/02/2018 02:22	WG1092315
Dibromomethane	U		0.000416	0.00109	1	04/02/2018 02:22	WG1092315
1,2-Dichlorobenzene	U		0.000332	0.00109	1	04/02/2018 02:22	WG1092315
1,3-Dichlorobenzene	U		0.000260	0.00109	1	04/02/2018 02:22	WG1092315
1,4-Dichlorobenzene	U		0.000246	0.00109	1	04/02/2018 02:22	WG1092315
Dichlorodifluoromethane	U		0.000776	0.00544	1	04/02/2018 02:22	WG1092315
1,1-Dichloroethane	U		0.000217	0.00109	1	04/02/2018 02:22	WG1092315
1,2-Dichloroethane	U		0.000288	0.00109	1	04/02/2018 02:22	WG1092315
1,1-Dichloroethene	0.0143		0.000330	0.00109	1	04/02/2018 02:22	WG1092315
cis-1,2-Dichloroethene	6.39		0.0512	0.218	200	04/06/2018 04:58	WG1092315
trans-1,2-Dichloroethene	0.0209		0.000287	0.00109	1	04/02/2018 02:22	WG1092315
1,2-Dichloropropane	U		0.000390	0.00109	1	04/02/2018 02:22	WG1092315
1,1-Dichloropropene	U		0.000345	0.00109	1	04/02/2018 02:22	WG1092315
1,3-Dichloropropane	U		0.000225	0.00109	1	04/02/2018 02:22	WG1092315
cis-1,3-Dichloropropene	U		0.000285	0.00109	1	04/02/2018 02:22	WG1092315
trans-1,3-Dichloropropene	U		0.000291	0.00109	1	04/02/2018 02:22	WG1092315
trans-1,4-Dichloro-2-butene	U		0.000847	0.00272	1	04/02/2018 02:22	WG1092315
2,2-Dichloropropane	U		0.000304	0.00109	1	04/02/2018 02:22	WG1092315
Di-isopropyl ether	U		0.000270	0.00109	1	04/02/2018 02:22	WG1092315
Ethylbenzene	U		0.000323	0.00109	1	04/02/2018 02:22	WG1092315
Hexachloro-1,3-butadiene	U		0.000372	0.00109	1	04/02/2018 02:22	WG1092315
2-Hexanone	U		0.00149	0.0109	1	04/02/2018 02:22	WG1092315
n-Hexane	0.00100 U	B J	0.000316	0.0109	1	04/02/2018 02:22	WG1092315
Iodomethane	U		0.00275	0.0109	1	04/02/2018 02:22	WG1092315
Isopropylbenzene	U		0.000265	0.00109	1	04/02/2018 02:22	WG1092315
p-Isopropyltoluene	U		0.000222	0.00109	1	04/02/2018 02:22	WG1092315
2-Butanone (MEK)	U		0.00509	0.0109	1	04/02/2018 02:22	WG1092315
Methylene Chloride	U		0.00109	0.00544	1	04/02/2018 02:22	WG1092315
4-Methyl-2-pentanone (MIBK)	U		0.00205	0.0109	1	04/02/2018 02:22	WG1092315

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IW-907-70

Collected date/time: 03/28/18 11:45

SAMPLE RESULTS - 18

L981889

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000231	0.00109	1	04/02/2018 02:22	WG1092315
Naphthalene	U		0.00109	0.00544	1	04/02/2018 02:22	WG1092315
n-Propylbenzene	U		0.000224	0.00109	1	04/02/2018 02:22	WG1092315
Styrene	U		0.000255	0.00109	1	04/02/2018 02:22	WG1092315
1,1,1,2-Tetrachloroethane	U		0.000287	0.00109	1	04/02/2018 02:22	WG1092315
1,1,2,2-Tetrachloroethane	U		0.000397	0.00109	1	04/02/2018 02:22	WG1092315
1,1,2-Trichlorotrifluoroethane	U		0.000397	0.00109	1	04/02/2018 02:22	WG1092315
Tetrachloroethene	0.0176	J	0.000300	0.00109	1	04/02/2018 02:22	WG1092315
Toluene	U		0.000472	0.00544	1	04/02/2018 02:22	WG1092315
1,2,3-Trichlorobenzene	U		0.000333	0.00109	1	04/02/2018 02:22	WG1092315
1,2,4-Trichlorobenzene	U		0.000422	0.00109	1	04/02/2018 02:22	WG1092315
1,1,1-Trichloroethane	U		0.000311	0.00109	1	04/02/2018 02:22	WG1092315
1,1,2-Trichloroethane	U		0.000302	0.00109	1	04/02/2018 02:22	WG1092315
Trichloroethene	0.00987	J	0.000304	0.00109	1	04/02/2018 02:22	WG1092315
Trichlorofluoromethane	U		0.000416	0.00544	1	04/02/2018 02:22	WG1092315
1,2,3-Trichloropropane	U		0.000807	0.00272	1	04/02/2018 02:22	WG1092315
1,2,4-Trimethylbenzene	U		0.000230	0.00109	1	04/02/2018 02:22	WG1092315
1,2,3-Trimethylbenzene	U		0.000312	0.00109	1	04/02/2018 02:22	WG1092315
1,3,5-Trimethylbenzene	U		0.000290	0.00109	1	04/02/2018 02:22	WG1092315
Vinyl acetate	U		0.00260	0.0109	1	04/02/2018 02:22	WG1092315
Vinyl chloride	0.0139	J	0.000317	0.00109	1	04/02/2018 02:22	WG1092315
Xylenes, Total	U		0.000760	0.00327	1	04/02/2018 02:22	WG1092315
(S) Toluene-d8	*102*			*80.0-120*		*04/02/2018 02:22*	WG1092315
(S) Toluene-d8	*109*			*80.0-120*		*04/06/2018 04:58*	WG1092315
(S) Dibromofluoromethane	*108*			*74.0-131*		*04/02/2018 02:22*	WG1092315
(S) Dibromofluoromethane	*91.9*			*74.0-131*		*04/06/2018 04:58*	WG1092315
(S) 4-Bromofluorobenzene	*96.2*			*64.0-132*		*04/06/2018 04:58*	WG1092315
(S) 4-Bromofluorobenzene	*104*			*64.0-132*		*04/02/2018 02:22*	WG1092315

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1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		1.05	25.0	1	03/31/2018 18:26	WG1092115
Acrylonitrile	U	UJ J0	0.873	5.00	1	03/31/2018 18:26	WG1092115
Benzene	U		0.0896	0.500	1	03/31/2018 18:26	WG1092115
Bromobenzene	U		0.133	0.500	1	03/31/2018 18:26	WG1092115
Bromodichloromethane	U		0.0800	0.500	1	03/31/2018 18:26	WG1092115
Bromochloromethane	U		0.145	0.500	1	03/31/2018 18:26	WG1092115
Bromoform	U		0.186	0.500	1	03/31/2018 18:26	WG1092115
Bromomethane	U		0.157	2.50	1	03/31/2018 18:26	WG1092115
n-Butylbenzene	U		0.143	0.500	1	03/31/2018 18:26	WG1092115
sec-Butylbenzene	U		0.134	0.500	1	03/31/2018 18:26	WG1092115
tert-Butylbenzene	U		0.183	0.500	1	03/31/2018 18:26	WG1092115
Carbon disulfide	U		0.101	0.500	1	03/31/2018 18:26	WG1092115
Carbon tetrachloride	U		0.159	0.500	1	03/31/2018 18:26	WG1092115
Chlorobenzene	U		0.140	0.500	1	03/31/2018 18:26	WG1092115
Chlorodibromomethane	U		0.128	0.500	1	03/31/2018 18:26	WG1092115
Chloroethane	U		0.141	2.50	1	03/31/2018 18:26	WG1092115
Chloroform	U		0.0860	0.500	1	03/31/2018 18:26	WG1092115
Chloromethane	U		0.153	1.25	1	03/31/2018 18:26	WG1092115
2-Chlorotoluene	U		0.111	0.500	1	03/31/2018 18:26	WG1092115
4-Chlorotoluene	U		0.0972	0.500	1	03/31/2018 18:26	WG1092115
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	03/31/2018 18:26	WG1092115
1,2-Dibromoethane	U		0.193	0.500	1	03/31/2018 18:26	WG1092115
Dibromomethane	U		0.117	0.500	1	03/31/2018 18:26	WG1092115
1,2-Dichlorobenzene	U		0.101	0.500	1	03/31/2018 18:26	WG1092115
1,3-Dichlorobenzene	U		0.130	0.500	1	03/31/2018 18:26	WG1092115
1,4-Dichlorobenzene	U		0.121	0.500	1	03/31/2018 18:26	WG1092115
Dichlorodifluoromethane	U		0.127	2.50	1	03/31/2018 18:26	WG1092115
1,1-Dichloroethane	U		0.114	0.500	1	03/31/2018 18:26	WG1092115
1,2-Dichloroethane	U		0.108	0.500	1	03/31/2018 18:26	WG1092115
1,1-Dichloroethene	U		0.188	0.500	1	03/31/2018 18:26	WG1092115
cis-1,2-Dichloroethene	U	UJ J0	0.0933	0.500	1	03/31/2018 18:26	WG1092115
trans-1,2-Dichloroethene	U		0.152	0.500	1	03/31/2018 18:26	WG1092115
1,2-Dichloropropane	U		0.190	0.500	1	03/31/2018 18:26	WG1092115
1,1-Dichloropropene	U		0.128	0.500	1	03/31/2018 18:26	WG1092115
1,3-Dichloropropane	U		0.147	1.00	1	03/31/2018 18:26	WG1092115
cis-1,3-Dichloropropene	U		0.0976	0.500	1	03/31/2018 18:26	WG1092115
trans-1,3-Dichloropropene	U		0.222	0.500	1	03/31/2018 18:26	WG1092115
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	03/31/2018 18:26	WG1092115
2,2-Dichloropropane	U		0.0929	0.500	1	03/31/2018 18:26	WG1092115
Di-isopropyl ether	U		0.0924	0.500	1	03/31/2018 18:26	WG1092115
Ethylbenzene	U		0.158	0.500	1	03/31/2018 18:26	WG1092115
Hexachloro-1,3-butadiene	U		0.157	1.00	1	03/31/2018 18:26	WG1092115
2-Hexanone	U		0.757	5.00	1	03/31/2018 18:26	WG1092115
n-Hexane	U		0.305	5.00	1	03/31/2018 18:26	WG1092115
Iodomethane	U		0.377	10.0	1	03/31/2018 18:26	WG1092115
Isopropylbenzene	U		0.126	0.500	1	03/31/2018 18:26	WG1092115
p-Isopropyltoluene	U		0.138	0.500	1	03/31/2018 18:26	WG1092115
2-Butanone (MEK)	U		1.28	5.00	1	03/31/2018 18:26	WG1092115
Methylene Chloride	U		1.07	2.50	1	03/31/2018 18:26	WG1092115
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	03/31/2018 18:26	WG1092115
Methyl tert-butyl ether	U		0.102	0.500	1	03/31/2018 18:26	WG1092115
Naphthalene	U		0.174	2.50	1	03/31/2018 18:26	WG1092115
n-Propylbenzene	U		0.162	0.500	1	03/31/2018 18:26	WG1092115
Styrene	U		0.117	0.500	1	03/31/2018 18:26	WG1092115
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	03/31/2018 18:26	WG1092115
1,1,2,2-Tetrachloroethane	U	UJ J0	0.130	0.500	1	03/31/2018 18:26	WG1092115

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	03/31/2018 18:26	WG1092115
Tetrachloroethene	U		0.199	0.500	1	03/31/2018 18:26	WG1092115
Toluene	U		0.412	0.500	1	03/31/2018 18:26	WG1092115
1,2,3-Trichlorobenzene	U		0.164	0.500	1	03/31/2018 18:26	WG1092115
1,2,4-Trichlorobenzene	U		0.355	0.500	1	03/31/2018 18:26	WG1092115
1,1,1-Trichloroethane	U		0.0940	0.500	1	03/31/2018 18:26	WG1092115
1,1,2-Trichloroethane	U		0.186	0.500	1	03/31/2018 18:26	WG1092115
Trichloroethene	U		0.153	0.500	1	03/31/2018 18:26	WG1092115
Trichlorofluoromethane	U	J4	0.130	2.50	1	03/31/2018 18:26	WG1092115
1,2,3-Trichloropropane	U		0.247	2.50	1	03/31/2018 18:26	WG1092115
1,2,4-Trimethylbenzene	U		0.123	0.500	1	03/31/2018 18:26	WG1092115
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	03/31/2018 18:26	WG1092115
1,3,5-Trimethylbenzene	U		0.124	0.500	1	03/31/2018 18:26	WG1092115
Vinyl acetate	U		0.645	5.00	1	03/31/2018 18:26	WG1092115
Vinyl chloride	U		0.118	0.500	1	03/31/2018 18:26	WG1092115
Xylenes, Total	U		0.316	1.50	1	03/31/2018 18:26	WG1092115
(S) Toluene-d8	*102*			*80.0-120*		*03/31/2018 18:26*	WG1092115
(S) Dibromofluoromethane	*107*			*76.0-123*		*03/31/2018 18:26*	WG1092115
(S) 4-Bromofluorobenzene	*96.1*			*80.0-120*		*03/31/2018 18:26*	WG1092115

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Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	91.9		1	04/04/2018 14:15	WG1093167

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg		Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.0278	J	J	0.0109	0.0544	1	04/02/2018 02:43	WG1092315
Acrylonitrile	U			0.00195	0.0109	1	04/02/2018 02:43	WG1092315
Benzene	U			0.000294	0.00109	1	04/02/2018 02:43	WG1092315
Bromobenzene	U			0.000309	0.00109	1	04/02/2018 02:43	WG1092315
Bromodichloromethane	U			0.000276	0.00109	1	04/02/2018 02:43	WG1092315
Bromochloromethane	U			0.000424	0.00544	1	04/02/2018 02:43	WG1092315
Bromoform	U			0.000461	0.00109	1	04/02/2018 02:43	WG1092315
Bromomethane	U			0.00146	0.00544	1	04/02/2018 02:43	WG1092315
n-Butylbenzene	U			0.000281	0.00109	1	04/02/2018 02:43	WG1092315
sec-Butylbenzene	U			0.000219	0.00109	1	04/02/2018 02:43	WG1092315
tert-Butylbenzene	U			0.000224	0.00109	1	04/02/2018 02:43	WG1092315
Carbon disulfide	U			0.000240	0.00109	1	04/02/2018 02:43	WG1092315
Carbon tetrachloride	U			0.000357	0.00109	1	04/02/2018 02:43	WG1092315
Chlorobenzene	U			0.000231	0.00109	1	04/02/2018 02:43	WG1092315
Chlorodibromomethane	U			0.000406	0.00109	1	04/02/2018 02:43	WG1092315
Chloroethane	U			0.00103	0.00544	1	04/02/2018 02:43	WG1092315
Chloroform	U			0.000249	0.00544	1	04/02/2018 02:43	WG1092315
Chloromethane	U			0.000408	0.00272	1	04/02/2018 02:43	WG1092315
2-Chlorotoluene	U			0.000328	0.00109	1	04/02/2018 02:43	WG1092315
4-Chlorotoluene	U			0.000261	0.00109	1	04/02/2018 02:43	WG1092315
1,2-Dibromo-3-Chloropropane	U			0.00114	0.00544	1	04/02/2018 02:43	WG1092315
1,2-Dibromoethane	U			0.000373	0.00109	1	04/02/2018 02:43	WG1092315
Dibromomethane	U			0.000416	0.00109	1	04/02/2018 02:43	WG1092315
1,2-Dichlorobenzene	U			0.000332	0.00109	1	04/02/2018 02:43	WG1092315
1,3-Dichlorobenzene	U			0.000260	0.00109	1	04/02/2018 02:43	WG1092315
1,4-Dichlorobenzene	U			0.000246	0.00109	1	04/02/2018 02:43	WG1092315
Dichlorodifluoromethane	U			0.000776	0.00544	1	04/02/2018 02:43	WG1092315
1,1-Dichloroethane	U			0.000217	0.00109	1	04/02/2018 02:43	WG1092315
1,2-Dichloroethane	U			0.000288	0.00109	1	04/02/2018 02:43	WG1092315
1,1-Dichloroethene	U			0.000330	0.00109	1	04/02/2018 02:43	WG1092315
cis-1,2-Dichloroethene	0.000490	J	J	0.000256	0.00109	1	04/06/2018 05:19	WG1092315
trans-1,2-Dichloroethene	U			0.000287	0.00109	1	04/02/2018 02:43	WG1092315
1,2-Dichloropropane	U			0.000390	0.00109	1	04/02/2018 02:43	WG1092315
1,1-Dichloropropene	U			0.000345	0.00109	1	04/02/2018 02:43	WG1092315
1,3-Dichloropropane	U			0.000225	0.00109	1	04/02/2018 02:43	WG1092315
cis-1,3-Dichloropropene	U			0.000285	0.00109	1	04/02/2018 02:43	WG1092315
trans-1,3-Dichloropropene	U			0.000291	0.00109	1	04/02/2018 02:43	WG1092315
trans-1,4-Dichloro-2-butene	U			0.000847	0.00272	1	04/02/2018 02:43	WG1092315
2,2-Dichloropropane	U			0.000304	0.00109	1	04/02/2018 02:43	WG1092315
Di-isopropyl ether	U			0.000270	0.00109	1	04/02/2018 02:43	WG1092315
Ethylbenzene	U			0.000323	0.00109	1	04/02/2018 02:43	WG1092315
Hexachloro-1,3-butadiene	U			0.000372	0.00109	1	04/02/2018 02:43	WG1092315
2-Hexanone	U			0.00149	0.0109	1	04/02/2018 02:43	WG1092315
n-Hexane	0.000383	U	B J	0.000316	0.0109	1	04/02/2018 02:43	WG1092315
Iodomethane	U			0.00275	0.0109	1	04/02/2018 02:43	WG1092315
Isopropylbenzene	U			0.000264	0.00109	1	04/02/2018 02:43	WG1092315
p-Isopropyltoluene	U			0.000222	0.00109	1	04/02/2018 02:43	WG1092315
2-Butanone (MEK)	U			0.00509	0.0109	1	04/02/2018 02:43	WG1092315
Methylene Chloride	U			0.00109	0.00544	1	04/02/2018 02:43	WG1092315
4-Methyl-2-pentanone (MIBK)	U			0.00205	0.0109	1	04/02/2018 02:43	WG1092315

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000231	0.00109	1	04/02/2018 02:43	WG1092315
Naphthalene	U		0.00109	0.00544	1	04/02/2018 02:43	WG1092315
n-Propylbenzene	U		0.000224	0.00109	1	04/02/2018 02:43	WG1092315
Styrene	U		0.000255	0.00109	1	04/02/2018 02:43	WG1092315
1,1,1,2-Tetrachloroethane	U		0.000287	0.00109	1	04/02/2018 02:43	WG1092315
1,1,2,2-Tetrachloroethane	U		0.000397	0.00109	1	04/02/2018 02:43	WG1092315
1,1,2-Trichlorotrifluoroethane	U		0.000397	0.00109	1	04/02/2018 02:43	WG1092315
Tetrachloroethene	0.00371		0.000300	0.00109	1	04/02/2018 02:43	WG1092315
Toluene	U		0.000472	0.00544	1	04/02/2018 02:43	WG1092315
1,2,3-Trichlorobenzene	U		0.000333	0.00109	1	04/02/2018 02:43	WG1092315
1,2,4-Trichlorobenzene	U		0.000422	0.00109	1	04/02/2018 02:43	WG1092315
1,1,1-Trichloroethane	U		0.000311	0.00109	1	04/02/2018 02:43	WG1092315
1,1,2-Trichloroethane	U		0.000301	0.00109	1	04/02/2018 02:43	WG1092315
Trichloroethene	U		0.000304	0.00109	1	04/02/2018 02:43	WG1092315
Trichlorofluoromethane	U		0.000416	0.00544	1	04/02/2018 02:43	WG1092315
1,2,3-Trichloropropane	U		0.000806	0.00272	1	04/02/2018 02:43	WG1092315
1,2,4-Trimethylbenzene	U		0.000230	0.00109	1	04/02/2018 02:43	WG1092315
1,2,3-Trimethylbenzene	U		0.000312	0.00109	1	04/02/2018 02:43	WG1092315
1,3,5-Trimethylbenzene	U		0.000289	0.00109	1	04/02/2018 02:43	WG1092315
Vinyl acetate	U		0.00260	0.0109	1	04/02/2018 02:43	WG1092315
Vinyl chloride	0.00142		0.000317	0.00109	1	04/02/2018 02:43	WG1092315
Xylenes, Total	U		0.000760	0.00326	1	04/02/2018 02:43	WG1092315
(S) Toluene-d8	*102*			*80.0-120*		*04/02/2018 02:43*	WG1092315
(S) Toluene-d8	*103*			*80.0-120*		*04/06/2018 05:19*	WG1092315
(S) Dibromofluoromethane	*99.5*			*74.0-131*		*04/06/2018 05:19*	WG1092315
(S) Dibromofluoromethane	*102*			*74.0-131*		*04/02/2018 02:43*	WG1092315
(S) 4-Bromofluorobenzene	*97.6*			*64.0-132*		*04/06/2018 05:19*	WG1092315
(S) 4-Bromofluorobenzene	*101*			*64.0-132*		*04/02/2018 02:43*	WG1092315

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1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	87.2		1	04/04/2018 14:15	WG1093167

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0115	0.0574	1	04/02/2018 03:04	WG1092315
Acrylonitrile	U		0.00205	0.0115	1	04/02/2018 03:04	WG1092315
Benzene	U		0.000310	0.00115	1	04/02/2018 03:04	WG1092315
Bromobenzene	U		0.000326	0.00115	1	04/02/2018 03:04	WG1092315
Bromodichloromethane	U		0.000291	0.00115	1	04/02/2018 03:04	WG1092315
Bromochloromethane	U		0.000447	0.00574	1	04/02/2018 03:04	WG1092315
Bromoform	U		0.000486	0.00115	1	04/02/2018 03:04	WG1092315
Bromomethane	U		0.00154	0.00574	1	04/02/2018 03:04	WG1092315
n-Butylbenzene	U		0.000296	0.00115	1	04/02/2018 03:04	WG1092315
sec-Butylbenzene	U		0.000231	0.00115	1	04/02/2018 03:04	WG1092315
tert-Butylbenzene	U		0.000236	0.00115	1	04/02/2018 03:04	WG1092315
Carbon disulfide	U		0.000254	0.00115	1	04/02/2018 03:04	WG1092315
Carbon tetrachloride	U		0.000376	0.00115	1	04/02/2018 03:04	WG1092315
Chlorobenzene	U		0.000243	0.00115	1	04/02/2018 03:04	WG1092315
Chlorodibromomethane	U		0.000428	0.00115	1	04/02/2018 03:04	WG1092315
Chloroethane	U		0.00109	0.00574	1	04/02/2018 03:04	WG1092315
Chloroform	U		0.000263	0.00574	1	04/02/2018 03:04	WG1092315
Chloromethane	U		0.000430	0.00287	1	04/02/2018 03:04	WG1092315
2-Chlorotoluene	U		0.000345	0.00115	1	04/02/2018 03:04	WG1092315
4-Chlorotoluene	U		0.000275	0.00115	1	04/02/2018 03:04	WG1092315
1,2-Dibromo-3-Chloropropane	U		0.00120	0.00574	1	04/02/2018 03:04	WG1092315
1,2-Dibromoethane	U		0.000393	0.00115	1	04/02/2018 03:04	WG1092315
Dibromomethane	U		0.000438	0.00115	1	04/02/2018 03:04	WG1092315
1,2-Dichlorobenzene	U		0.000350	0.00115	1	04/02/2018 03:04	WG1092315
1,3-Dichlorobenzene	U		0.000274	0.00115	1	04/02/2018 03:04	WG1092315
1,4-Dichlorobenzene	U		0.000259	0.00115	1	04/02/2018 03:04	WG1092315
Dichlorodifluoromethane	U		0.000818	0.00574	1	04/02/2018 03:04	WG1092315
1,1-Dichloroethane	U		0.000228	0.00115	1	04/02/2018 03:04	WG1092315
1,2-Dichloroethane	U		0.000304	0.00115	1	04/02/2018 03:04	WG1092315
1,1-Dichloroethene	U		0.000348	0.00115	1	04/02/2018 03:04	WG1092315
cis-1,2-Dichloroethene	0.00132		0.000270	0.00115	1	04/06/2018 05:40	WG1092315
trans-1,2-Dichloroethene	U		0.000303	0.00115	1	04/02/2018 03:04	WG1092315
1,2-Dichloropropane	U		0.000411	0.00115	1	04/02/2018 03:04	WG1092315
1,1-Dichloropropene	U		0.000364	0.00115	1	04/02/2018 03:04	WG1092315
1,3-Dichloropropane	U		0.000237	0.00115	1	04/02/2018 03:04	WG1092315
cis-1,3-Dichloropropene	U		0.000301	0.00115	1	04/02/2018 03:04	WG1092315
trans-1,3-Dichloropropene	U		0.000306	0.00115	1	04/02/2018 03:04	WG1092315
trans-1,4-Dichloro-2-butene	U		0.000893	0.00287	1	04/02/2018 03:04	WG1092315
2,2-Dichloropropane	U		0.000320	0.00115	1	04/02/2018 03:04	WG1092315
Di-isopropyl ether	U		0.000285	0.00115	1	04/02/2018 03:04	WG1092315
Ethylbenzene	U		0.000341	0.00115	1	04/02/2018 03:04	WG1092315
Hexachloro-1,3-butadiene	U		0.000392	0.00115	1	04/02/2018 03:04	WG1092315
2-Hexanone	U		0.00157	0.0115	1	04/02/2018 03:04	WG1092315
n-Hexane	U		0.000333	0.0115	1	04/02/2018 03:04	WG1092315
Iodomethane	U		0.00290	0.0115	1	04/02/2018 03:04	WG1092315
Isopropylbenzene	U		0.000279	0.00115	1	04/02/2018 03:04	WG1092315
p-Isopropyltoluene	U		0.000234	0.00115	1	04/02/2018 03:04	WG1092315
2-Butanone (MEK)	U		0.00537	0.0115	1	04/02/2018 03:04	WG1092315
Methylene Chloride	U		0.00115	0.00574	1	04/02/2018 03:04	WG1092315
4-Methyl-2-pentanone (MIBK)	U		0.00216	0.0115	1	04/02/2018 03:04	WG1092315

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000243	0.00115	1	04/02/2018 03:04	WG1092315
Naphthalene	U		0.00115	0.00574	1	04/02/2018 03:04	WG1092315
n-Propylbenzene	U		0.000236	0.00115	1	04/02/2018 03:04	WG1092315
Styrene	U		0.000268	0.00115	1	04/02/2018 03:04	WG1092315
1,1,1,2-Tetrachloroethane	U		0.000303	0.00115	1	04/02/2018 03:04	WG1092315
1,1,2,2-Tetrachloroethane	U		0.000419	0.00115	1	04/02/2018 03:04	WG1092315
1,1,2-Trichlorotrifluoroethane	U		0.000419	0.00115	1	04/02/2018 03:04	WG1092315
Tetrachloroethene	0.00419		0.000317	0.00115	1	04/02/2018 03:04	WG1092315
Toluene	U		0.000498	0.00574	1	04/02/2018 03:04	WG1092315
1,2,3-Trichlorobenzene	U		0.000351	0.00115	1	04/02/2018 03:04	WG1092315
1,2,4-Trichlorobenzene	U		0.000445	0.00115	1	04/02/2018 03:04	WG1092315
1,1,1-Trichloroethane	U		0.000328	0.00115	1	04/02/2018 03:04	WG1092315
1,1,2-Trichloroethane	U		0.000318	0.00115	1	04/02/2018 03:04	WG1092315
Trichloroethene	U		0.000320	0.00115	1	04/02/2018 03:04	WG1092315
Trichlorofluoromethane	U		0.000438	0.00574	1	04/02/2018 03:04	WG1092315
1,2,3-Trichloropropane	U		0.000850	0.00287	1	04/02/2018 03:04	WG1092315
1,2,4-Trimethylbenzene	U		0.000242	0.00115	1	04/02/2018 03:04	WG1092315
1,2,3-Trimethylbenzene	U		0.000329	0.00115	1	04/02/2018 03:04	WG1092315
1,3,5-Trimethylbenzene	U		0.000305	0.00115	1	04/02/2018 03:04	WG1092315
Vinyl acetate	U		0.00274	0.0115	1	04/02/2018 03:04	WG1092315
Vinyl chloride	U		0.000334	0.00115	1	04/02/2018 03:04	WG1092315
Xylenes, Total	U		0.000801	0.00344	1	04/02/2018 03:04	WG1092315
(S) Toluene-d8	*103*			*80.0-120*		*04/02/2018 03:04*	WG1092315
(S) Toluene-d8	*103*			*80.0-120*		*04/06/2018 05:40*	WG1092315
(S) Dibromofluoromethane	*99.9*			*74.0-131*		*04/06/2018 05:40*	WG1092315
(S) Dibromofluoromethane	*105*			*74.0-131*		*04/02/2018 03:04*	WG1092315
(S) 4-Bromofluorobenzene	*101*			*64.0-132*		*04/02/2018 03:04*	WG1092315
(S) 4-Bromofluorobenzene	*96.0*			*64.0-132*		*04/06/2018 05:40*	WG1092315

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1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	86.3		1	04/04/2018 14:15	WG1093167

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.0121 J	J	0.0116	0.0579	1	04/06/2018 06:01	WG1092315
Acrylonitrile	U		0.00207	0.0116	1	04/06/2018 06:01	WG1092315
Benzene	U		0.000313	0.00116	1	04/06/2018 06:01	WG1092315
Bromobenzene	U		0.000329	0.00116	1	04/06/2018 06:01	WG1092315
Bromodichloromethane	U		0.000294	0.00116	1	04/06/2018 06:01	WG1092315
Bromochloromethane	U		0.000452	0.00579	1	04/06/2018 06:01	WG1092315
Bromoform	U		0.000491	0.00116	1	04/06/2018 06:01	WG1092315
Bromomethane	U		0.00155	0.00579	1	04/06/2018 06:01	WG1092315
n-Butylbenzene	U		0.000299	0.00116	1	04/06/2018 06:01	WG1092315
sec-Butylbenzene	U		0.000233	0.00116	1	04/06/2018 06:01	WG1092315
tert-Butylbenzene	U		0.000239	0.00116	1	04/06/2018 06:01	WG1092315
Carbon disulfide	U		0.000256	0.00116	1	04/06/2018 06:01	WG1092315
Carbon tetrachloride	U		0.000380	0.00116	1	04/06/2018 06:01	WG1092315
Chlorobenzene	U		0.000246	0.00116	1	04/06/2018 06:01	WG1092315
Chlorodibromomethane	U		0.000432	0.00116	1	04/06/2018 06:01	WG1092315
Chloroethane	U		0.00110	0.00579	1	04/06/2018 06:01	WG1092315
Chloroform	U		0.000265	0.00579	1	04/06/2018 06:01	WG1092315
Chloromethane	U		0.000435	0.00290	1	04/06/2018 06:01	WG1092315
2-Chlorotoluene	U		0.000349	0.00116	1	04/06/2018 06:01	WG1092315
4-Chlorotoluene	U		0.000278	0.00116	1	04/06/2018 06:01	WG1092315
1,2-Dibromo-3-Chloropropane	U		0.00122	0.00579	1	04/06/2018 06:01	WG1092315
1,2-Dibromoethane	U		0.000397	0.00116	1	04/06/2018 06:01	WG1092315
Dibromomethane	U		0.000443	0.00116	1	04/06/2018 06:01	WG1092315
1,2-Dichlorobenzene	U		0.000353	0.00116	1	04/06/2018 06:01	WG1092315
1,3-Dichlorobenzene	U		0.000277	0.00116	1	04/06/2018 06:01	WG1092315
1,4-Dichlorobenzene	U		0.000262	0.00116	1	04/06/2018 06:01	WG1092315
Dichlorodifluoromethane	U		0.000826	0.00579	1	04/06/2018 06:01	WG1092315
1,1-Dichloroethane	U		0.000231	0.00116	1	04/06/2018 06:01	WG1092315
1,2-Dichloroethane	U		0.000307	0.00116	1	04/06/2018 06:01	WG1092315
1,1-Dichloroethene	U		0.000351	0.00116	1	04/06/2018 06:01	WG1092315
cis-1,2-Dichloroethene	0.00502		0.000272	0.00116	1	04/06/2018 06:01	WG1092315
trans-1,2-Dichloroethene	U		0.000306	0.00116	1	04/06/2018 06:01	WG1092315
1,2-Dichloropropane	U		0.000415	0.00116	1	04/06/2018 06:01	WG1092315
1,1-Dichloropropene	U		0.000367	0.00116	1	04/06/2018 06:01	WG1092315
1,3-Dichloropropane	U		0.000240	0.00116	1	04/06/2018 06:01	WG1092315
cis-1,3-Dichloropropene	U		0.000304	0.00116	1	04/06/2018 06:01	WG1092315
trans-1,3-Dichloropropene	U		0.000309	0.00116	1	04/06/2018 06:01	WG1092315
trans-1,4-Dichloro-2-butene	U		0.000902	0.00290	1	04/06/2018 06:01	WG1092315
2,2-Dichloropropane	U		0.000323	0.00116	1	04/06/2018 06:01	WG1092315
Di-isopropyl ether	U		0.000287	0.00116	1	04/06/2018 06:01	WG1092315
Ethylbenzene	U		0.000344	0.00116	1	04/06/2018 06:01	WG1092315
Hexachloro-1,3-butadiene	U		0.000396	0.00116	1	04/06/2018 06:01	WG1092315
2-Hexanone	U		0.00159	0.0116	1	04/06/2018 06:01	WG1092315
n-Hexane	U		0.000336	0.0116	1	04/06/2018 06:01	WG1092315
Iodomethane	U		0.00293	0.0116	1	04/06/2018 06:01	WG1092315
Isopropylbenzene	U		0.000282	0.00116	1	04/06/2018 06:01	WG1092315
p-Isopropyltoluene	U		0.000236	0.00116	1	04/06/2018 06:01	WG1092315
2-Butanone (MEK)	U		0.00542	0.0116	1	04/06/2018 06:01	WG1092315
Methylene Chloride	U		0.00116	0.00579	1	04/06/2018 06:01	WG1092315
4-Methyl-2-pentanone (MIBK)	U		0.00218	0.0116	1	04/06/2018 06:01	WG1092315

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000246	0.00116	1	04/06/2018 06:01	WG1092315
Naphthalene	U		0.00116	0.00579	1	04/06/2018 06:01	WG1092315
n-Propylbenzene	U		0.000239	0.00116	1	04/06/2018 06:01	WG1092315
Styrene	U		0.000271	0.00116	1	04/06/2018 06:01	WG1092315
1,1,1,2-Tetrachloroethane	U		0.000306	0.00116	1	04/06/2018 06:01	WG1092315
1,1,2,2-Tetrachloroethane	U		0.000423	0.00116	1	04/06/2018 06:01	WG1092315
1,1,2-Trichlorotrifluoroethane	U		0.000423	0.00116	1	04/06/2018 06:01	WG1092315
Tetrachloroethene	0.0317		0.000320	0.00116	1	04/06/2018 06:01	WG1092315
Toluene	U		0.000503	0.00579	1	04/06/2018 06:01	WG1092315
1,2,3-Trichlorobenzene	U		0.000355	0.00116	1	04/06/2018 06:01	WG1092315
1,2,4-Trichlorobenzene	U		0.000450	0.00116	1	04/06/2018 06:01	WG1092315
1,1,1-Trichloroethane	U		0.000331	0.00116	1	04/06/2018 06:01	WG1092315
1,1,2-Trichloroethane	U		0.000321	0.00116	1	04/06/2018 06:01	WG1092315
Trichloroethene	0.00188		0.000323	0.00116	1	04/06/2018 06:01	WG1092315
Trichlorofluoromethane	U		0.000443	0.00579	1	04/06/2018 06:01	WG1092315
1,2,3-Trichloropropane	U		0.000859	0.00290	1	04/06/2018 06:01	WG1092315
1,2,4-Trimethylbenzene	U		0.000245	0.00116	1	04/06/2018 06:01	WG1092315
1,2,3-Trimethylbenzene	U		0.000333	0.00116	1	04/06/2018 06:01	WG1092315
1,3,5-Trimethylbenzene	U		0.000308	0.00116	1	04/06/2018 06:01	WG1092315
Vinyl acetate	U		0.00277	0.0116	1	04/06/2018 06:01	WG1092315
Vinyl chloride	0.000458 J	J	0.000337	0.00116	1	04/06/2018 06:01	WG1092315
Xylenes, Total	U		0.000809	0.00348	1	04/06/2018 06:01	WG1092315
(S) Toluene-d8	*105*			*80.0-120*		*04/06/2018 06:01*	WG1092315
(S) Dibromofluoromethane	*99.0*			*74.0-131*		*04/06/2018 06:01*	WG1092315
(S) 4-Bromofluorobenzene	*98.0*			*64.0-132*		*04/06/2018 06:01*	WG1092315

JC 4/25/18

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	92.6		1	04/04/2018 14:15	WG1093167

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0108	0.0540	1	04/02/2018 03:46	WG1092315
Acrylonitrile	U		0.00193	0.0108	1	04/02/2018 03:46	WG1092315
Benzene	U		0.000292	0.00108	1	04/02/2018 03:46	WG1092315
Bromobenzene	U		0.000307	0.00108	1	04/02/2018 03:46	WG1092315
Bromodichloromethane	U		0.000274	0.00108	1	04/02/2018 03:46	WG1092315
Bromochloromethane	U		0.000421	0.00540	1	04/02/2018 03:46	WG1092315
Bromoform	U		0.000458	0.00108	1	04/02/2018 03:46	WG1092315
Bromomethane	U		0.00145	0.00540	1	04/02/2018 03:46	WG1092315
n-Butylbenzene	U		0.000279	0.00108	1	04/02/2018 03:46	WG1092315
sec-Butylbenzene	U		0.000217	0.00108	1	04/02/2018 03:46	WG1092315
tert-Butylbenzene	U		0.000222	0.00108	1	04/02/2018 03:46	WG1092315
Carbon disulfide	U		0.000239	0.00108	1	04/02/2018 03:46	WG1092315
Carbon tetrachloride	U		0.000354	0.00108	1	04/02/2018 03:46	WG1092315
Chlorobenzene	U		0.000229	0.00108	1	04/02/2018 03:46	WG1092315
Chlorodibromomethane	U		0.000403	0.00108	1	04/02/2018 03:46	WG1092315
Chloroethane	U		0.00102	0.00540	1	04/02/2018 03:46	WG1092315
Chloroform	U		0.000247	0.00540	1	04/02/2018 03:46	WG1092315
Chloromethane	U		0.000405	0.00270	1	04/02/2018 03:46	WG1092315
2-Chlorotoluene	U		0.000325	0.00108	1	04/02/2018 03:46	WG1092315
4-Chlorotoluene	U		0.000259	0.00108	1	04/02/2018 03:46	WG1092315
1,2-Dibromo-3-Chloropropane	U		0.00113	0.00540	1	04/02/2018 03:46	WG1092315
1,2-Dibromoethane	U		0.000370	0.00108	1	04/02/2018 03:46	WG1092315
Dibromomethane	U		0.000413	0.00108	1	04/02/2018 03:46	WG1092315
1,2-Dichlorobenzene	U		0.000329	0.00108	1	04/02/2018 03:46	WG1092315
1,3-Dichlorobenzene	U		0.000258	0.00108	1	04/02/2018 03:46	WG1092315
1,4-Dichlorobenzene	U		0.000244	0.00108	1	04/02/2018 03:46	WG1092315
Dichlorodifluoromethane	U		0.000770	0.00540	1	04/02/2018 03:46	WG1092315
1,1-Dichloroethane	U		0.000215	0.00108	1	04/02/2018 03:46	WG1092315
1,2-Dichloroethane	U		0.000286	0.00108	1	04/02/2018 03:46	WG1092315
1,1-Dichloroethene	U		0.000327	0.00108	1	04/02/2018 03:46	WG1092315
cis-1,2-Dichloroethene	0.00265		0.000254	0.00108	1	04/02/2018 03:46	WG1092315
trans-1,2-Dichloroethene	U		0.000285	0.00108	1	04/02/2018 03:46	WG1092315
1,2-Dichloropropane	U		0.000387	0.00108	1	04/02/2018 03:46	WG1092315
1,1-Dichloropropene	U		0.000342	0.00108	1	04/02/2018 03:46	WG1092315
1,3-Dichloropropane	U		0.000224	0.00108	1	04/02/2018 03:46	WG1092315
cis-1,3-Dichloropropene	U		0.000283	0.00108	1	04/02/2018 03:46	WG1092315
trans-1,3-Dichloropropene	U		0.000288	0.00108	1	04/02/2018 03:46	WG1092315
trans-1,4-Dichloro-2-butene	U		0.000840	0.00270	1	04/02/2018 03:46	WG1092315
2,2-Dichloropropane	U		0.000301	0.00108	1	04/02/2018 03:46	WG1092315
Di-isopropyl ether	U		0.000268	0.00108	1	04/02/2018 03:46	WG1092315
Ethylbenzene	U		0.000321	0.00108	1	04/02/2018 03:46	WG1092315
Hexachloro-1,3-butadiene	U		0.000369	0.00108	1	04/02/2018 03:46	WG1092315
2-Hexanone	U		0.00148	0.0108	1	04/02/2018 03:46	WG1092315
n-Hexane	0.000509 U	B J	0.000313	0.0108	1	04/02/2018 03:46	WG1092315
Iodomethane	U		0.00273	0.0108	1	04/02/2018 03:46	WG1092315
Isopropylbenzene	U		0.000262	0.00108	1	04/02/2018 03:46	WG1092315
p-Isopropyltoluene	U		0.000220	0.00108	1	04/02/2018 03:46	WG1092315
2-Butanone (MEK)	U		0.00505	0.0108	1	04/02/2018 03:46	WG1092315
Methylene Chloride	U		0.00108	0.00540	1	04/02/2018 03:46	WG1092315
4-Methyl-2-pentanone (MIBK)	U		0.00203	0.0108	1	04/02/2018 03:46	WG1092315

JC 4/25/18

Volatile Organic Compounds (GC/MS) by Method 8260C

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000229	0.00108	1	04/02/2018 03:46	WG1092315
Naphthalene	U		0.00108	0.00540	1	04/02/2018 03:46	WG1092315
n-Propylbenzene	U		0.000222	0.00108	1	04/02/2018 03:46	WG1092315
Styrene	U		0.000253	0.00108	1	04/02/2018 03:46	WG1092315
1,1,1,2-Tetrachloroethane	U		0.000285	0.00108	1	04/02/2018 03:46	WG1092315
1,1,2,2-Tetrachloroethane	U		0.000394	0.00108	1	04/02/2018 03:46	WG1092315
1,1,2-Trichlorotrifluoroethane	U		0.000394	0.00108	1	04/02/2018 03:46	WG1092315
Tetrachloroethene	0.00746		0.000298	0.00108	1	04/02/2018 03:46	WG1092315
Toluene	U		0.000469	0.00540	1	04/02/2018 03:46	WG1092315
1,2,3-Trichlorobenzene	U		0.000330	0.00108	1	04/02/2018 03:46	WG1092315
1,2,4-Trichlorobenzene	U		0.000419	0.00108	1	04/02/2018 03:46	WG1092315
1,1,1-Trichloroethane	U		0.000309	0.00108	1	04/02/2018 03:46	WG1092315
1,1,2-Trichloroethane	U		0.000299	0.00108	1	04/02/2018 03:46	WG1092315
Trichloroethene	0.000868 J	J	0.000301	0.00108	1	04/02/2018 03:46	WG1092315
Trichlorofluoromethane	U		0.000413	0.00540	1	04/02/2018 03:46	WG1092315
1,2,3-Trichloropropane	U		0.000800	0.00270	1	04/02/2018 03:46	WG1092315
1,2,4-Trimethylbenzene	U		0.000228	0.00108	1	04/02/2018 03:46	WG1092315
1,2,3-Trimethylbenzene	U		0.000310	0.00108	1	04/02/2018 03:46	WG1092315
1,3,5-Trimethylbenzene	U		0.000287	0.00108	1	04/02/2018 03:46	WG1092315
Vinyl acetate	U		0.00258	0.0108	1	04/02/2018 03:46	WG1092315
Vinyl chloride	0.000458 J	J	0.000314	0.00108	1	04/02/2018 03:46	WG1092315
Xylenes, Total	U		0.000754	0.00324	1	04/02/2018 03:46	WG1092315
(S) Toluene-d8	*99.0*			*80.0-120*		*04/02/2018 03:46*	WG1092315
(S) Dibromofluoromethane	*106*			*74.0-131*		*04/02/2018 03:46*	WG1092315
(S) 4-Bromofluorobenzene	*100*			*64.0-132*		*04/02/2018 03:46*	WG1092315

JC 4/25/18

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	88.4		1	04/04/2018 14:15	WG1093167

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.0121 J	J	0.0113	0.0566	1	04/02/2018 04:07	WG1092315
Acrylonitrile	U		0.00203	0.0113	1	04/02/2018 04:07	WG1092315
Benzene	U		0.000306	0.00113	1	04/02/2018 04:07	WG1092315
Bromobenzene	U		0.000321	0.00113	1	04/02/2018 04:07	WG1092315
Bromodichloromethane	U		0.000287	0.00113	1	04/02/2018 04:07	WG1092315
Bromochloromethane	U		0.000441	0.00566	1	04/02/2018 04:07	WG1092315
Bromoform	U		0.000480	0.00113	1	04/02/2018 04:07	WG1092315
Bromomethane	U		0.00152	0.00566	1	04/02/2018 04:07	WG1092315
n-Butylbenzene	U		0.000292	0.00113	1	04/02/2018 04:07	WG1092315
sec-Butylbenzene	U		0.000227	0.00113	1	04/02/2018 04:07	WG1092315
tert-Butylbenzene	U		0.000233	0.00113	1	04/02/2018 04:07	WG1092315
Carbon disulfide	U		0.000250	0.00113	1	04/02/2018 04:07	WG1092315
Carbon tetrachloride	U		0.000371	0.00113	1	04/02/2018 04:07	WG1092315
Chlorobenzene	U		0.000240	0.00113	1	04/02/2018 04:07	WG1092315
Chlorodibromomethane	U		0.000422	0.00113	1	04/02/2018 04:07	WG1092315
Chloroethane	U		0.00107	0.00566	1	04/02/2018 04:07	WG1092315
Chloroform	U		0.000259	0.00566	1	04/02/2018 04:07	WG1092315
Chloromethane	U		0.000424	0.00283	1	04/02/2018 04:07	WG1092315
2-Chlorotoluene	U		0.000341	0.00113	1	04/02/2018 04:07	WG1092315
4-Chlorotoluene	U		0.000272	0.00113	1	04/02/2018 04:07	WG1092315
1,2-Dibromo-3-Chloropropane	U		0.00119	0.00566	1	04/02/2018 04:07	WG1092315
1,2-Dibromoethane	U		0.000388	0.00113	1	04/02/2018 04:07	WG1092315
Dibromomethane	U		0.000432	0.00113	1	04/02/2018 04:07	WG1092315
1,2-Dichlorobenzene	U		0.000345	0.00113	1	04/02/2018 04:07	WG1092315
1,3-Dichlorobenzene	U		0.000270	0.00113	1	04/02/2018 04:07	WG1092315
1,4-Dichlorobenzene	U		0.000256	0.00113	1	04/02/2018 04:07	WG1092315
Dichlorodifluoromethane	U		0.000807	0.00566	1	04/02/2018 04:07	WG1092315
1,1-Dichloroethane	U		0.000225	0.00113	1	04/02/2018 04:07	WG1092315
1,2-Dichloroethane	U		0.000300	0.00113	1	04/02/2018 04:07	WG1092315
1,1-Dichloroethene	U		0.000343	0.00113	1	04/02/2018 04:07	WG1092315
cis-1,2-Dichloroethene	0.00148		0.000266	0.00113	1	04/02/2018 04:07	WG1092315
trans-1,2-Dichloroethene	U		0.000299	0.00113	1	04/02/2018 04:07	WG1092315
1,2-Dichloropropane	U		0.000405	0.00113	1	04/02/2018 04:07	WG1092315
1,1-Dichloropropene	U		0.000359	0.00113	1	04/02/2018 04:07	WG1092315
1,3-Dichloropropane	U		0.000234	0.00113	1	04/02/2018 04:07	WG1092315
cis-1,3-Dichloropropene	U		0.000296	0.00113	1	04/02/2018 04:07	WG1092315
trans-1,3-Dichloropropene	U		0.000302	0.00113	1	04/02/2018 04:07	WG1092315
trans-1,4-Dichloro-2-butene	U		0.000880	0.00283	1	04/02/2018 04:07	WG1092315
2,2-Dichloropropane	U		0.000316	0.00113	1	04/02/2018 04:07	WG1092315
Di-isopropyl ether	U		0.000281	0.00113	1	04/02/2018 04:07	WG1092315
Ethylbenzene	U		0.000336	0.00113	1	04/02/2018 04:07	WG1092315
Hexachloro-1,3-butadiene	U		0.000387	0.00113	1	04/02/2018 04:07	WG1092315
2-Hexanone	U		0.00155	0.0113	1	04/02/2018 04:07	WG1092315
n-Hexane	0.000403 U	B J	0.000328	0.0113	1	04/02/2018 04:07	WG1092315
Iodomethane	U		0.00286	0.0113	1	04/02/2018 04:07	WG1092315
Isopropylbenzene	U		0.000275	0.00113	1	04/02/2018 04:07	WG1092315
p-Isopropyltoluene	U		0.000231	0.00113	1	04/02/2018 04:07	WG1092315
2-Butanone (MEK)	U		0.00530	0.0113	1	04/02/2018 04:07	WG1092315
Methylene Chloride	U		0.00113	0.00566	1	04/02/2018 04:07	WG1092315
4-Methyl-2-pentanone (MIBK)	U		0.00213	0.0113	1	04/02/2018 04:07	WG1092315

JC 4/25/18

Volatile Organic Compounds (GC/MS) by Method 8260C

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg		date / time	
Methyl tert-butyl ether	U		0.000240	0.00113	1	04/02/2018 04:07	WG1092315
Naphthalene	U		0.00113	0.00566	1	04/02/2018 04:07	WG1092315
n-Propylbenzene	U		0.000233	0.00113	1	04/02/2018 04:07	WG1092315
Styrene	U		0.000265	0.00113	1	04/02/2018 04:07	WG1092315
1,1,1,2-Tetrachloroethane	U		0.000299	0.00113	1	04/02/2018 04:07	WG1092315
1,1,2,2-Tetrachloroethane	U		0.000413	0.00113	1	04/02/2018 04:07	WG1092315
1,1,2-Trichlorotrifluoroethane	U		0.000413	0.00113	1	04/02/2018 04:07	WG1092315
Tetrachloroethene	0.00364		0.000312	0.00113	1	04/02/2018 04:07	WG1092315
Toluene	U		0.000491	0.00566	1	04/02/2018 04:07	WG1092315
1,2,3-Trichlorobenzene	U		0.000346	0.00113	1	04/02/2018 04:07	WG1092315
1,2,4-Trichlorobenzene	U		0.000439	0.00113	1	04/02/2018 04:07	WG1092315
1,1,1-Trichloroethane	U		0.000324	0.00113	1	04/02/2018 04:07	WG1092315
1,1,2-Trichloroethane	U		0.000313	0.00113	1	04/02/2018 04:07	WG1092315
Trichloroethene	0.000464 J	J	0.000316	0.00113	1	04/02/2018 04:07	WG1092315
Trichlorofluoromethane	U		0.000432	0.00566	1	04/02/2018 04:07	WG1092315
1,2,3-Trichloropropane	U		0.000839	0.00283	1	04/02/2018 04:07	WG1092315
1,2,4-Trimethylbenzene	U		0.000239	0.00113	1	04/02/2018 04:07	WG1092315
1,2,3-Trimethylbenzene	U		0.000325	0.00113	1	04/02/2018 04:07	WG1092315
1,3,5-Trimethylbenzene	U		0.000301	0.00113	1	04/02/2018 04:07	WG1092315
Vinyl acetate	U		0.00270	0.0113	1	04/02/2018 04:07	WG1092315
Vinyl chloride	0.000466 J	J	0.000329	0.00113	1	04/02/2018 04:07	WG1092315
Xylenes, Total	U		0.000790	0.00339	1	04/02/2018 04:07	WG1092315
(S) Toluene-d8	*101*			*80.0-120*		*04/02/2018 04:07*	WG1092315
(S) Dibromofluoromethane	*104*			*74.0-131*		*04/02/2018 04:07*	WG1092315
(S) 4-Bromofluorobenzene	*101*			*64.0-132*		*04/02/2018 04:07*	WG1092315

JC 4/25/18

B-245-30

Collected date/time: 03/29/18 08:13

SAMPLE RESULTS - 25

L981889

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	72.1		1	04/04/2018 14:15	WG1093167

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.0659 J	J	0.0215	0.108	1.55	04/02/2018 04:28	WG1092315
Acrylonitrile	U		0.00384	0.0215	1.55	04/02/2018 04:28	WG1092315
Benzene	U		0.000580	0.00215	1.55	04/02/2018 04:28	WG1092315
Bromobenzene	U		0.000610	0.00215	1.55	04/02/2018 04:28	WG1092315
Bromodichloromethane	U		0.000547	0.00215	1.55	04/02/2018 04:28	WG1092315
Bromochloromethane	U		0.000838	0.0108	1.55	04/02/2018 04:28	WG1092315
Bromoform	U		0.000912	0.00215	1.55	04/02/2018 04:28	WG1092315
Bromomethane	U		0.00289	0.0108	1.55	04/02/2018 04:28	WG1092315
n-Butylbenzene	U		0.000555	0.00215	1.55	04/02/2018 04:28	WG1092315
sec-Butylbenzene	U		0.000433	0.00215	1.55	04/02/2018 04:28	WG1092315
tert-Butylbenzene	U		0.000443	0.00215	1.55	04/02/2018 04:28	WG1092315
Carbon disulfide	0.00248		0.000474	0.00215	1.55	04/02/2018 04:28	WG1092315
Carbon tetrachloride	U		0.000705	0.00215	1.55	04/02/2018 04:28	WG1092315
Chlorobenzene	U		0.000456	0.00215	1.55	04/02/2018 04:28	WG1092315
Chlorodibromomethane	U		0.000802	0.00215	1.55	04/02/2018 04:28	WG1092315
Chloroethane	U		0.00204	0.0108	1.55	04/02/2018 04:28	WG1092315
Chloroform	U		0.000493	0.0108	1.55	04/02/2018 04:28	WG1092315
Chloromethane	U		0.000806	0.00538	1.55	04/02/2018 04:28	WG1092315
2-Chlorotoluene	U		0.000647	0.00215	1.55	04/02/2018 04:28	WG1092315
4-Chlorotoluene	U		0.000516	0.00215	1.55	04/02/2018 04:28	WG1092315
1,2-Dibromo-3-Chloropropane	U		0.00226	0.0108	1.55	04/02/2018 04:28	WG1092315
1,2-Dibromoethane	U		0.000738	0.00215	1.55	04/02/2018 04:28	WG1092315
Dibromomethane	U		0.000821	0.00215	1.55	04/02/2018 04:28	WG1092315
1,2-Dichlorobenzene	U		0.000656	0.00215	1.55	04/02/2018 04:28	WG1092315
1,3-Dichlorobenzene	U		0.000513	0.00215	1.55	04/02/2018 04:28	WG1092315
1,4-Dichlorobenzene	U		0.000486	0.00215	1.55	04/02/2018 04:28	WG1092315
Dichlorodifluoromethane	U		0.00153	0.0108	1.55	04/02/2018 04:28	WG1092315
1,1-Dichloroethane	U		0.000427	0.00215	1.55	04/02/2018 04:28	WG1092315
1,2-Dichloroethane	U		0.000570	0.00215	1.55	04/02/2018 04:28	WG1092315
1,1-Dichloroethene	0.0259		0.000652	0.00215	1.55	04/02/2018 04:28	WG1092315
cis-1,2-Dichloroethene	4.73		0.0816	0.347	250	04/06/2018 06:22	WG1092315
trans-1,2-Dichloroethene	0.00437		0.000567	0.00215	1.55	04/02/2018 04:28	WG1092315
1,2-Dichloropropane	U		0.000770	0.00215	1.55	04/02/2018 04:28	WG1092315
1,1-Dichloropropene	U		0.000681	0.00215	1.55	04/02/2018 04:28	WG1092315
1,3-Dichloropropane	U		0.000445	0.00215	1.55	04/02/2018 04:28	WG1092315
cis-1,3-Dichloropropene	U		0.000563	0.00215	1.55	04/02/2018 04:28	WG1092315
trans-1,3-Dichloropropene	U		0.000574	0.00215	1.55	04/02/2018 04:28	WG1092315
trans-1,4-Dichloro-2-butene	U		0.00166	0.00538	1.55	04/02/2018 04:28	WG1092315
2,2-Dichloropropane	U		0.000599	0.00215	1.55	04/02/2018 04:28	WG1092315
Di-isopropyl ether	U		0.000533	0.00215	1.55	04/02/2018 04:28	WG1092315
Ethylbenzene	U		0.000638	0.00215	1.55	04/02/2018 04:28	WG1092315
Hexachloro-1,3-butadiene	U		0.000735	0.00215	1.55	04/02/2018 04:28	WG1092315
2-Hexanone	U		0.00294	0.0215	1.55	04/02/2018 04:28	WG1092315
n-Hexane	0.00113 U	B J	0.000624	0.0215	1.55	04/02/2018 04:28	WG1092315
Iodomethane	U		0.00544	0.0215	1.55	04/02/2018 04:28	WG1092315
Isopropylbenzene	U		0.000523	0.00215	1.55	04/02/2018 04:28	WG1092315
p-Isopropyltoluene	U		0.000438	0.00215	1.55	04/02/2018 04:28	WG1092315
2-Butanone (MEK)	U		0.0101	0.0215	1.55	04/02/2018 04:28	WG1092315
Methylene Chloride	U		0.00215	0.0108	1.55	04/02/2018 04:28	WG1092315
4-Methyl-2-pentanone (MIBK)	U		0.00404	0.0215	1.55	04/02/2018 04:28	WG1092315

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000456	0.00215	1.55	04/02/2018 04:28	WG1092315
Naphthalene	U		0.00215	0.0108	1.55	04/02/2018 04:28	WG1092315
n-Propylbenzene	U		0.000443	0.00215	1.55	04/02/2018 04:28	WG1092315
Styrene	U		0.000504	0.00215	1.55	04/02/2018 04:28	WG1092315
1,1,1,2-Tetrachloroethane	U		0.000567	0.00215	1.55	04/02/2018 04:28	WG1092315
1,1,2,2-Tetrachloroethane	U		0.000785	0.00215	1.55	04/02/2018 04:28	WG1092315
1,1,2-Trichlorotrifluoroethane	U		0.000785	0.00215	1.55	04/02/2018 04:28	WG1092315
Tetrachloroethene	0.0737		0.000594	0.00215	1.55	04/02/2018 04:28	WG1092315
Toluene	U		0.000934	0.0108	1.55	04/02/2018 04:28	WG1092315
1,2,3-Trichlorobenzene	U		0.000658	0.00215	1.55	04/02/2018 04:28	WG1092315
1,2,4-Trichlorobenzene	U		0.000834	0.00215	1.55	04/02/2018 04:28	WG1092315
1,1,1-Trichloroethane	U		0.000615	0.00215	1.55	04/02/2018 04:28	WG1092315
1,1,2-Trichloroethane	U		0.000595	0.00215	1.55	04/02/2018 04:28	WG1092315
Trichloroethene	0.145		0.000599	0.00215	1.55	04/02/2018 04:28	WG1092315
Trichlorofluoromethane	U		0.000821	0.0108	1.55	04/02/2018 04:28	WG1092315
1,2,3-Trichloropropane	U		0.00160	0.00538	1.55	04/02/2018 04:28	WG1092315
1,2,4-Trimethylbenzene	U		0.000454	0.00215	1.55	04/02/2018 04:28	WG1092315
1,2,3-Trimethylbenzene	U		0.000617	0.00215	1.55	04/02/2018 04:28	WG1092315
1,3,5-Trimethylbenzene	U		0.000572	0.00215	1.55	04/02/2018 04:28	WG1092315
Vinyl acetate	U		0.00513	0.0215	1.55	04/02/2018 04:28	WG1092315
Vinyl chloride	0.224 J	J	0.101	0.347	250	04/06/2018 06:22	WG1092315
Xylenes, Total	U		0.00150	0.00645	1.55	04/02/2018 04:28	WG1092315
(S) Toluene-d8	*101*			*80.0-120*		*04/02/2018 04:28*	WG1092315
(S) Toluene-d8	*109*			*80.0-120*		*04/06/2018 06:22*	WG1092315
(S) Dibromofluoromethane	*106*			*74.0-131*		*04/02/2018 04:28*	WG1092315
(S) Dibromofluoromethane	*92.9*			*74.0-131*		*04/06/2018 06:22*	WG1092315
(S) 4-Bromofluorobenzene	*102*			*64.0-132*		*04/02/2018 04:28*	WG1092315
(S) 4-Bromofluorobenzene	*97.0*			*64.0-132*		*04/06/2018 06:22*	WG1092315

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1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	88.9		1	04/04/2018 14:15	WG1093167

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0563	1	04/02/2018 05:22	WG1092315
Acrylonitrile	U		0.00201	0.0113	1	04/02/2018 05:22	WG1092315
Benzene	0.000419 J	J	0.000304	0.00113	1	04/02/2018 05:22	WG1092315
Bromobenzene	U		0.000320	0.00113	1	04/02/2018 05:22	WG1092315
Bromodichloromethane	U		0.000286	0.00113	1	04/02/2018 05:22	WG1092315
Bromochloromethane	U		0.000439	0.00563	1	04/02/2018 05:22	WG1092315
Bromoform	U		0.000477	0.00113	1	04/02/2018 05:22	WG1092315
Bromomethane	U		0.00151	0.00563	1	04/02/2018 05:22	WG1092315
n-Butylbenzene	U		0.000290	0.00113	1	04/02/2018 05:22	WG1092315
sec-Butylbenzene	U		0.000226	0.00113	1	04/02/2018 05:22	WG1092315
tert-Butylbenzene	U		0.000232	0.00113	1	04/02/2018 05:22	WG1092315
Carbon disulfide	0.000730 J	J	0.000249	0.00113	1	04/02/2018 05:22	WG1092315
Carbon tetrachloride	U		0.000369	0.00113	1	04/02/2018 05:22	WG1092315
Chlorobenzene	U		0.000239	0.00113	1	04/02/2018 05:22	WG1092315
Chlorodibromomethane	U		0.000420	0.00113	1	04/02/2018 05:22	WG1092315
Chloroethane	U		0.00106	0.00563	1	04/02/2018 05:22	WG1092315
Chloroform	U		0.000258	0.00563	1	04/02/2018 05:22	WG1092315
Chloromethane	U		0.000422	0.00281	1	04/02/2018 05:22	WG1092315
2-Chlorotoluene	U		0.000339	0.00113	1	04/02/2018 05:22	WG1092315
4-Chlorotoluene	U		0.000270	0.00113	1	04/02/2018 05:22	WG1092315
1,2-Dibromo-3-Chloropropane	U		0.00118	0.00563	1	04/02/2018 05:22	WG1092315
1,2-Dibromoethane	U		0.000386	0.00113	1	04/02/2018 05:22	WG1092315
Dibromomethane	U		0.000430	0.00113	1	04/02/2018 05:22	WG1092315
1,2-Dichlorobenzene	U		0.000343	0.00113	1	04/02/2018 05:22	WG1092315
1,3-Dichlorobenzene	U		0.000269	0.00113	1	04/02/2018 05:22	WG1092315
1,4-Dichlorobenzene	U		0.000254	0.00113	1	04/02/2018 05:22	WG1092315
Dichlorodifluoromethane	U		0.000802	0.00563	1	04/02/2018 05:22	WG1092315
1,1-Dichloroethane	U		0.000224	0.00113	1	04/02/2018 05:22	WG1092315
1,2-Dichloroethane	U		0.000298	0.00113	1	04/02/2018 05:22	WG1092315
1,1-Dichloroethene	U		0.000341	0.00113	1	04/02/2018 05:22	WG1092315
cis-1,2-Dichloroethene	0.0564		0.000264	0.00113	1	04/02/2018 05:22	WG1092315
trans-1,2-Dichloroethene	U		0.000297	0.00113	1	04/02/2018 05:22	WG1092315
1,2-Dichloropropane	U		0.000403	0.00113	1	04/02/2018 05:22	WG1092315
1,1-Dichloropropene	U		0.000357	0.00113	1	04/02/2018 05:22	WG1092315
1,3-Dichloropropane	U		0.000233	0.00113	1	04/02/2018 05:22	WG1092315
cis-1,3-Dichloropropene	U		0.000295	0.00113	1	04/02/2018 05:22	WG1092315
trans-1,3-Dichloropropene	U		0.000300	0.00113	1	04/02/2018 05:22	WG1092315
trans-1,4-Dichloro-2-butene	U		0.000875	0.00281	1	04/02/2018 05:22	WG1092315
2,2-Dichloropropane	U		0.000314	0.00113	1	04/02/2018 05:22	WG1092315
Di-isopropyl ether	U		0.000279	0.00113	1	04/02/2018 05:22	WG1092315
Ethylbenzene	U		0.000334	0.00113	1	04/02/2018 05:22	WG1092315
Hexachloro-1,3-butadiene	U		0.000385	0.00113	1	04/02/2018 05:22	WG1092315
2-Hexanone	U		0.00154	0.0113	1	04/02/2018 05:22	WG1092315
n-Hexane	U		0.000326	0.0113	1	04/02/2018 05:22	WG1092315
Iodomethane	U		0.00285	0.0113	1	04/02/2018 05:22	WG1092315
Isopropylbenzene	U		0.000273	0.00113	1	04/02/2018 05:22	WG1092315
p-Isopropyltoluene	U		0.000230	0.00113	1	04/02/2018 05:22	WG1092315
2-Butanone (MEK)	U		0.00527	0.0113	1	04/02/2018 05:22	WG1092315
Methylene Chloride	U		0.00113	0.00563	1	04/02/2018 05:22	WG1092315
4-Methyl-2-pentanone (MIBK)	U		0.00212	0.0113	1	04/02/2018 05:22	WG1092315

JC 4/25/18

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000239	0.00113	1	04/02/2018 05:22	WG1092315
Naphthalene	U		0.00113	0.00563	1	04/02/2018 05:22	WG1092315
n-Propylbenzene	U		0.000232	0.00113	1	04/02/2018 05:22	WG1092315
Styrene	U		0.000263	0.00113	1	04/02/2018 05:22	WG1092315
1,1,1,2-Tetrachloroethane	U		0.000297	0.00113	1	04/02/2018 05:22	WG1092315
1,1,2,2-Tetrachloroethane	U		0.000411	0.00113	1	04/02/2018 05:22	WG1092315
1,1,2-Trichlorotrifluoroethane	U		0.000411	0.00113	1	04/02/2018 05:22	WG1092315
Tetrachloroethene	0.00623		0.000311	0.00113	1	04/02/2018 05:22	WG1092315
Toluene	U		0.000488	0.00563	1	04/02/2018 05:22	WG1092315
1,2,3-Trichlorobenzene	U		0.000344	0.00113	1	04/02/2018 05:22	WG1092315
1,2,4-Trichlorobenzene	U		0.000437	0.00113	1	04/02/2018 05:22	WG1092315
1,1,1-Trichloroethane	U		0.000322	0.00113	1	04/02/2018 05:22	WG1092315
1,1,2-Trichloroethane	U		0.000312	0.00113	1	04/02/2018 05:22	WG1092315
Trichloroethene	0.00152		0.000314	0.00113	1	04/02/2018 05:22	WG1092315
Trichlorofluoromethane	U		0.000430	0.00563	1	04/02/2018 05:22	WG1092315
1,2,3-Trichloropropane	U		0.000834	0.00281	1	04/02/2018 05:22	WG1092315
1,2,4-Trimethylbenzene	U		0.000237	0.00113	1	04/02/2018 05:22	WG1092315
1,2,3-Trimethylbenzene	U		0.000323	0.00113	1	04/02/2018 05:22	WG1092315
1,3,5-Trimethylbenzene	U		0.000299	0.00113	1	04/02/2018 05:22	WG1092315
Vinyl acetate	U		0.00269	0.0113	1	04/02/2018 05:22	WG1092315
Vinyl chloride	0.0194		0.000327	0.00113	1	04/02/2018 05:22	WG1092315
Xylenes, Total	U		0.000785	0.00338	1	04/02/2018 05:22	WG1092315
(S) Toluene-d8	*100*			*80.0-120*		*04/02/2018 05:22*	WG1092315
(S) Dibromofluoromethane	*98.7*			*74.0-131*		*04/02/2018 05:22*	WG1092315
(S) 4-Bromofluorobenzene	*106*			*64.0-132*		*04/02/2018 05:22*	WG1092315

JC 4/25/18

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	89.8		1	04/04/2018 14:15	WG1093167

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.0537 J	J	0.0111	0.0556	1	04/02/2018 05:43	WG1092315
Acrylonitrile	U		0.00199	0.0111	1	04/02/2018 05:43	WG1092315
Benzene	U		0.000301	0.00111	1	04/02/2018 05:43	WG1092315
Bromobenzene	U		0.000316	0.00111	1	04/02/2018 05:43	WG1092315
Bromodichloromethane	U		0.000283	0.00111	1	04/02/2018 05:43	WG1092315
Bromochloromethane	U		0.000434	0.00556	1	04/02/2018 05:43	WG1092315
Bromoform	U		0.000472	0.00111	1	04/02/2018 05:43	WG1092315
Bromomethane	U		0.00149	0.00556	1	04/02/2018 05:43	WG1092315
n-Butylbenzene	U		0.000287	0.00111	1	04/02/2018 05:43	WG1092315
sec-Butylbenzene	U		0.000224	0.00111	1	04/02/2018 05:43	WG1092315
tert-Butylbenzene	U		0.000229	0.00111	1	04/02/2018 05:43	WG1092315
Carbon disulfide	0.000820 J	J	0.000246	0.00111	1	04/02/2018 05:43	WG1092315
Carbon tetrachloride	U		0.000365	0.00111	1	04/02/2018 05:43	WG1092315
Chlorobenzene	U		0.000236	0.00111	1	04/02/2018 05:43	WG1092315
Chlorodibromomethane	U		0.000415	0.00111	1	04/02/2018 05:43	WG1092315
Chloroethane	U		0.00105	0.00556	1	04/02/2018 05:43	WG1092315
Chloroform	U		0.000255	0.00556	1	04/02/2018 05:43	WG1092315
Chloromethane	U		0.000417	0.00278	1	04/02/2018 05:43	WG1092315
2-Chlorotoluene	U		0.000335	0.00111	1	04/02/2018 05:43	WG1092315
4-Chlorotoluene	U		0.000267	0.00111	1	04/02/2018 05:43	WG1092315
1,2-Dibromo-3-Chloropropane	U		0.00117	0.00556	1	04/02/2018 05:43	WG1092315
1,2-Dibromoethane	U		0.000382	0.00111	1	04/02/2018 05:43	WG1092315
Dibromomethane	U		0.000425	0.00111	1	04/02/2018 05:43	WG1092315
1,2-Dichlorobenzene	U		0.000339	0.00111	1	04/02/2018 05:43	WG1092315
1,3-Dichlorobenzene	U		0.000266	0.00111	1	04/02/2018 05:43	WG1092315
1,4-Dichlorobenzene	U		0.000252	0.00111	1	04/02/2018 05:43	WG1092315
Dichlorodifluoromethane	U		0.000794	0.00556	1	04/02/2018 05:43	WG1092315
1,1-Dichloroethane	U		0.000221	0.00111	1	04/02/2018 05:43	WG1092315
1,2-Dichloroethane	U		0.000295	0.00111	1	04/02/2018 05:43	WG1092315
1,1-Dichloroethene	U		0.000337	0.00111	1	04/02/2018 05:43	WG1092315
cis-1,2-Dichloroethene	0.107		0.000262	0.00111	1	04/02/2018 05:43	WG1092315
trans-1,2-Dichloroethene	U		0.000294	0.00111	1	04/02/2018 05:43	WG1092315
1,2-Dichloropropane	U		0.000398	0.00111	1	04/02/2018 05:43	WG1092315
1,1-Dichloropropene	U		0.000353	0.00111	1	04/02/2018 05:43	WG1092315
1,3-Dichloropropane	U		0.000230	0.00111	1	04/02/2018 05:43	WG1092315
cis-1,3-Dichloropropene	U		0.000292	0.00111	1	04/02/2018 05:43	WG1092315
trans-1,3-Dichloropropene	U		0.000297	0.00111	1	04/02/2018 05:43	WG1092315
trans-1,4-Dichloro-2-butene	U		0.000866	0.00278	1	04/02/2018 05:43	WG1092315
2,2-Dichloropropane	U		0.000311	0.00111	1	04/02/2018 05:43	WG1092315
Di-isopropyl ether	U		0.000276	0.00111	1	04/02/2018 05:43	WG1092315
Ethylbenzene	U		0.000331	0.00111	1	04/02/2018 05:43	WG1092315
Hexachloro-1,3-butadiene	U		0.000381	0.00111	1	04/02/2018 05:43	WG1092315
2-Hexanone	U		0.00152	0.0111	1	04/02/2018 05:43	WG1092315
n-Hexane	U		0.000323	0.0111	1	04/02/2018 05:43	WG1092315
Iodomethane	U		0.00282	0.0111	1	04/02/2018 05:43	WG1092315
Isopropylbenzene	U		0.000270	0.00111	1	04/02/2018 05:43	WG1092315
p-Isopropyltoluene	U		0.000227	0.00111	1	04/02/2018 05:43	WG1092315
2-Butanone (MEK)	0.0178		0.00521	0.0111	1	04/02/2018 05:43	WG1092315
Methylene Chloride	U		0.00111	0.00556	1	04/02/2018 05:43	WG1092315
4-Methyl-2-pentanone (MIBK)	U		0.00209	0.0111	1	04/02/2018 05:43	WG1092315

JC 4/25/18

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000236	0.00111	1	04/02/2018 05:43	WG1092315
Naphthalene	U		0.00111	0.00556	1	04/02/2018 05:43	WG1092315
n-Propylbenzene	U		0.000229	0.00111	1	04/02/2018 05:43	WG1092315
Styrene	U		0.000260	0.00111	1	04/02/2018 05:43	WG1092315
1,1,1,2-Tetrachloroethane	U		0.000294	0.00111	1	04/02/2018 05:43	WG1092315
1,1,2,2-Tetrachloroethane	U		0.000406	0.00111	1	04/02/2018 05:43	WG1092315
1,1,2-Trichlorotrifluoroethane	U		0.000406	0.00111	1	04/02/2018 05:43	WG1092315
Tetrachloroethene	0.0149		0.000307	0.00111	1	04/02/2018 05:43	WG1092315
Toluene	U		0.000483	0.00556	1	04/02/2018 05:43	WG1092315
1,2,3-Trichlorobenzene	U		0.000341	0.00111	1	04/02/2018 05:43	WG1092315
1,2,4-Trichlorobenzene	U		0.000432	0.00111	1	04/02/2018 05:43	WG1092315
1,1,1-Trichloroethane	U		0.000318	0.00111	1	04/02/2018 05:43	WG1092315
1,1,2-Trichloroethane	U		0.000308	0.00111	1	04/02/2018 05:43	WG1092315
Trichloroethene	0.00287		0.000311	0.00111	1	04/02/2018 05:43	WG1092315
Trichlorofluoromethane	U		0.000425	0.00556	1	04/02/2018 05:43	WG1092315
1,2,3-Trichloropropane	U		0.000825	0.00278	1	04/02/2018 05:43	WG1092315
1,2,4-Trimethylbenzene	U		0.000235	0.00111	1	04/02/2018 05:43	WG1092315
1,2,3-Trimethylbenzene	U		0.000319	0.00111	1	04/02/2018 05:43	WG1092315
1,3,5-Trimethylbenzene	U		0.000296	0.00111	1	04/02/2018 05:43	WG1092315
Vinyl acetate	U		0.00266	0.0111	1	04/02/2018 05:43	WG1092315
Vinyl chloride	0.0204		0.000324	0.00111	1	04/02/2018 05:43	WG1092315
Xylenes, Total	U		0.000777	0.00334	1	04/02/2018 05:43	WG1092315
(S) Toluene-d8	*101*			*80.0-120*		*04/02/2018 05:43*	WG1092315
(S) Dibromofluoromethane	*98.9*			*74.0-131*		*04/02/2018 05:43*	WG1092315
(S) 4-Bromofluorobenzene	*104*			*64.0-132*		*04/02/2018 05:43*	WG1092315

JC 4/25/18

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	90.0		1	04/04/2018 14:15	WG1093167

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.0272 J	J	0.0111	0.0556	1	04/02/2018 06:05	WG1092315
Acrylonitrile	U		0.00199	0.0111	1	04/02/2018 06:05	WG1092315
Benzene	U		0.000300	0.00111	1	04/02/2018 06:05	WG1092315
Bromobenzene	U		0.000316	0.00111	1	04/02/2018 06:05	WG1092315
Bromodichloromethane	U		0.000282	0.00111	1	04/02/2018 06:05	WG1092315
Bromochloromethane	U		0.000434	0.00556	1	04/02/2018 06:05	WG1092315
Bromoform	U		0.000471	0.00111	1	04/02/2018 06:05	WG1092315
Bromomethane	U		0.00149	0.00556	1	04/02/2018 06:05	WG1092315
n-Butylbenzene	U		0.000287	0.00111	1	04/02/2018 06:05	WG1092315
sec-Butylbenzene	U		0.000223	0.00111	1	04/02/2018 06:05	WG1092315
tert-Butylbenzene	U		0.000229	0.00111	1	04/02/2018 06:05	WG1092315
Carbon disulfide	0.000447 J	J	0.000246	0.00111	1	04/02/2018 06:05	WG1092315
Carbon tetrachloride	U		0.000365	0.00111	1	04/02/2018 06:05	WG1092315
Chlorobenzene	U		0.000236	0.00111	1	04/02/2018 06:05	WG1092315
Chlorodibromomethane	U		0.000415	0.00111	1	04/02/2018 06:05	WG1092315
Chloroethane	U		0.00105	0.00556	1	04/02/2018 06:05	WG1092315
Chloroform	U		0.000255	0.00556	1	04/02/2018 06:05	WG1092315
Chloromethane	U		0.000417	0.00278	1	04/02/2018 06:05	WG1092315
2-Chlorotoluene	U		0.000335	0.00111	1	04/02/2018 06:05	WG1092315
4-Chlorotoluene	U		0.000267	0.00111	1	04/02/2018 06:05	WG1092315
1,2-Dibromo-3-Chloropropane	U		0.00117	0.00556	1	04/02/2018 06:05	WG1092315
1,2-Dibromoethane	U		0.000381	0.00111	1	04/02/2018 06:05	WG1092315
Dibromomethane	U		0.000425	0.00111	1	04/02/2018 06:05	WG1092315
1,2-Dichlorobenzene	U		0.000339	0.00111	1	04/02/2018 06:05	WG1092315
1,3-Dichlorobenzene	U		0.000266	0.00111	1	04/02/2018 06:05	WG1092315
1,4-Dichlorobenzene	U		0.000251	0.00111	1	04/02/2018 06:05	WG1092315
Dichlorodifluoromethane	U		0.000793	0.00556	1	04/02/2018 06:05	WG1092315
1,1-Dichloroethane	U		0.000221	0.00111	1	04/02/2018 06:05	WG1092315
1,2-Dichloroethane	U		0.000295	0.00111	1	04/02/2018 06:05	WG1092315
1,1-Dichloroethene	U		0.000337	0.00111	1	04/02/2018 06:05	WG1092315
cis-1,2-Dichloroethene	0.00725		0.000261	0.00111	1	04/02/2018 06:05	WG1092315
trans-1,2-Dichloroethene	U		0.000293	0.00111	1	04/02/2018 06:05	WG1092315
1,2-Dichloropropane	U		0.000398	0.00111	1	04/02/2018 06:05	WG1092315
1,1-Dichloropropene	U		0.000352	0.00111	1	04/02/2018 06:05	WG1092315
1,3-Dichloropropane	U		0.000230	0.00111	1	04/02/2018 06:05	WG1092315
cis-1,3-Dichloropropene	U		0.000291	0.00111	1	04/02/2018 06:05	WG1092315
trans-1,3-Dichloropropene	U		0.000297	0.00111	1	04/02/2018 06:05	WG1092315
trans-1,4-Dichloro-2-butene	U		0.000865	0.00278	1	04/02/2018 06:05	WG1092315
2,2-Dichloropropane	U		0.000310	0.00111	1	04/02/2018 06:05	WG1092315
Di-isopropyl ether	U		0.000276	0.00111	1	04/02/2018 06:05	WG1092315
Ethylbenzene	U		0.000330	0.00111	1	04/02/2018 06:05	WG1092315
Hexachloro-1,3-butadiene	U		0.000380	0.00111	1	04/02/2018 06:05	WG1092315
2-Hexanone	U		0.00152	0.0111	1	04/02/2018 06:05	WG1092315
n-Hexane	U		0.000322	0.0111	1	04/02/2018 06:05	WG1092315
Iodomethane	U		0.00281	0.0111	1	04/02/2018 06:05	WG1092315
Isopropylbenzene	U		0.000270	0.00111	1	04/02/2018 06:05	WG1092315
p-Isopropyltoluene	U		0.000227	0.00111	1	04/02/2018 06:05	WG1092315
2-Butanone (MEK)	0.0126		0.00520	0.0111	1	04/02/2018 06:05	WG1092315
Methylene Chloride	U		0.00111	0.00556	1	04/02/2018 06:05	WG1092315
4-Methyl-2-pentanone (MIBK)	U		0.00209	0.0111	1	04/02/2018 06:05	WG1092315

JC 4/25/18

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000236	0.00111	1	04/02/2018 06:05	WG1092315
Naphthalene	U		0.00111	0.00556	1	04/02/2018 06:05	WG1092315
n-Propylbenzene	U		0.000229	0.00111	1	04/02/2018 06:05	WG1092315
Styrene	U		0.000260	0.00111	1	04/02/2018 06:05	WG1092315
1,1,1,2-Tetrachloroethane	U		0.000293	0.00111	1	04/02/2018 06:05	WG1092315
1,1,2,2-Tetrachloroethane	U		0.000406	0.00111	1	04/02/2018 06:05	WG1092315
1,1,2-Trichlorotrifluoroethane	U		0.000406	0.00111	1	04/02/2018 06:05	WG1092315
Tetrachloroethene	0.00112		0.000307	0.00111	1	04/02/2018 06:05	WG1092315
Toluene	U		0.000482	0.00556	1	04/02/2018 06:05	WG1092315
1,2,3-Trichlorobenzene	U		0.000340	0.00111	1	04/02/2018 06:05	WG1092315
1,2,4-Trichlorobenzene	U		0.000431	0.00111	1	04/02/2018 06:05	WG1092315
1,1,1-Trichloroethane	U		0.000318	0.00111	1	04/02/2018 06:05	WG1092315
1,1,2-Trichloroethane	U		0.000308	0.00111	1	04/02/2018 06:05	WG1092315
Trichloroethene	0.000720 J	J	0.000310	0.00111	1	04/02/2018 06:05	WG1092315
Trichlorofluoromethane	U		0.000425	0.00556	1	04/02/2018 06:05	WG1092315
1,2,3-Trichloropropane	U		0.000824	0.00278	1	04/02/2018 06:05	WG1092315
1,2,4-Trimethylbenzene	U		0.000235	0.00111	1	04/02/2018 06:05	WG1092315
1,2,3-Trimethylbenzene	U		0.000319	0.00111	1	04/02/2018 06:05	WG1092315
1,3,5-Trimethylbenzene	U		0.000296	0.00111	1	04/02/2018 06:05	WG1092315
Vinyl acetate	U		0.00266	0.0111	1	04/02/2018 06:05	WG1092315
Vinyl chloride	0.00491		0.000323	0.00111	1	04/02/2018 06:05	WG1092315
Xylenes, Total	U		0.000776	0.00333	1	04/02/2018 06:05	WG1092315
(S) Toluene-d8	*103*			*80.0-120*		*04/02/2018 06:05*	WG1092315
(S) Dibromofluoromethane	*103*			*74.0-131*		*04/02/2018 06:05*	WG1092315
(S) 4-Bromofluorobenzene	*103*			*64.0-132*		*04/02/2018 06:05*	WG1092315

JC 4/25/18

B-245-50

Collected date/time: 03/29/18 09:14

SAMPLE RESULTS - 29

L981889

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	88.2		1	04/04/2018 14:15	WG1093167

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.0191 J	J	0.0113	0.0567	1	04/06/2018 06:44	WG1092315
Acrylonitrile	U		0.00203	0.0113	1	04/06/2018 06:44	WG1092315
Benzene	U		0.000306	0.00113	1	04/06/2018 06:44	WG1092315
Bromobenzene	U		0.000322	0.00113	1	04/06/2018 06:44	WG1092315
Bromodichloromethane	U		0.000288	0.00113	1	04/06/2018 06:44	WG1092315
Bromochloromethane	U		0.000442	0.00567	1	04/06/2018 06:44	WG1092315
Bromoform	U		0.000481	0.00113	1	04/06/2018 06:44	WG1092315
Bromomethane	U		0.00152	0.00567	1	04/06/2018 06:44	WG1092315
n-Butylbenzene	U		0.000292	0.00113	1	04/06/2018 06:44	WG1092315
sec-Butylbenzene	U		0.000228	0.00113	1	04/06/2018 06:44	WG1092315
tert-Butylbenzene	U		0.000233	0.00113	1	04/06/2018 06:44	WG1092315
Carbon disulfide	0.000449 J	J	0.000250	0.00113	1	04/06/2018 06:44	WG1092315
Carbon tetrachloride	U		0.000372	0.00113	1	04/06/2018 06:44	WG1092315
Chlorobenzene	U		0.000240	0.00113	1	04/06/2018 06:44	WG1092315
Chlorodibromomethane	U		0.000423	0.00113	1	04/06/2018 06:44	WG1092315
Chloroethane	U		0.00107	0.00567	1	04/06/2018 06:44	WG1092315
Chloroform	U		0.000260	0.00567	1	04/06/2018 06:44	WG1092315
Chloromethane	U		0.000425	0.00283	1	04/06/2018 06:44	WG1092315
2-Chlorotoluene	U		0.000341	0.00113	1	04/06/2018 06:44	WG1092315
4-Chlorotoluene	U		0.000272	0.00113	1	04/06/2018 06:44	WG1092315
1,2-Dibromo-3-Chloropropane	U		0.00119	0.00567	1	04/06/2018 06:44	WG1092315
1,2-Dibromoethane	U		0.000389	0.00113	1	04/06/2018 06:44	WG1092315
Dibromomethane	U		0.000433	0.00113	1	04/06/2018 06:44	WG1092315
1,2-Dichlorobenzene	U		0.000346	0.00113	1	04/06/2018 06:44	WG1092315
1,3-Dichlorobenzene	U		0.000271	0.00113	1	04/06/2018 06:44	WG1092315
1,4-Dichlorobenzene	U		0.000256	0.00113	1	04/06/2018 06:44	WG1092315
Dichlorodifluoromethane	U		0.000808	0.00567	1	04/06/2018 06:44	WG1092315
1,1-Dichloroethane	U		0.000226	0.00113	1	04/06/2018 06:44	WG1092315
1,2-Dichloroethane	U		0.000300	0.00113	1	04/06/2018 06:44	WG1092315
1,1-Dichloroethene	U		0.000343	0.00113	1	04/06/2018 06:44	WG1092315
cis-1,2-Dichloroethene	0.0159		0.000266	0.00113	1	04/06/2018 06:44	WG1092315
trans-1,2-Dichloroethene	U		0.000299	0.00113	1	04/06/2018 06:44	WG1092315
1,2-Dichloropropane	U		0.000406	0.00113	1	04/06/2018 06:44	WG1092315
1,1-Dichloropropene	U		0.000359	0.00113	1	04/06/2018 06:44	WG1092315
1,3-Dichloropropane	U		0.000235	0.00113	1	04/06/2018 06:44	WG1092315
cis-1,3-Dichloropropene	U		0.000297	0.00113	1	04/06/2018 06:44	WG1092315
trans-1,3-Dichloropropene	U		0.000303	0.00113	1	04/06/2018 06:44	WG1092315
trans-1,4-Dichloro-2-butene	U		0.000882	0.00283	1	04/06/2018 06:44	WG1092315
2,2-Dichloropropane	U		0.000316	0.00113	1	04/06/2018 06:44	WG1092315
Di-isopropyl ether	U		0.000281	0.00113	1	04/06/2018 06:44	WG1092315
Ethylbenzene	U		0.000337	0.00113	1	04/06/2018 06:44	WG1092315
Hexachloro-1,3-butadiene	U		0.000388	0.00113	1	04/06/2018 06:44	WG1092315
2-Hexanone	U		0.00155	0.0113	1	04/06/2018 06:44	WG1092315
n-Hexane	U		0.000329	0.0113	1	04/06/2018 06:44	WG1092315
Iodomethane	U		0.00287	0.0113	1	04/06/2018 06:44	WG1092315
Isopropylbenzene	U		0.000275	0.00113	1	04/06/2018 06:44	WG1092315
p-Isopropyltoluene	U		0.000231	0.00113	1	04/06/2018 06:44	WG1092315
2-Butanone (MEK)	U		0.00530	0.0113	1	04/06/2018 06:44	WG1092315
Methylene Chloride	U		0.00113	0.00567	1	04/06/2018 06:44	WG1092315
4-Methyl-2-pentanone (MIBK)	U		0.00213	0.0113	1	04/06/2018 06:44	WG1092315

JC 4/25/18

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000240	0.00113	1	04/06/2018 06:44	WG1092315
Naphthalene	U		0.00113	0.00567	1	04/06/2018 06:44	WG1092315
n-Propylbenzene	U		0.000233	0.00113	1	04/06/2018 06:44	WG1092315
Styrene	U		0.000265	0.00113	1	04/06/2018 06:44	WG1092315
1,1,1,2-Tetrachloroethane	U		0.000299	0.00113	1	04/06/2018 06:44	WG1092315
1,1,2,2-Tetrachloroethane	U		0.000414	0.00113	1	04/06/2018 06:44	WG1092315
1,1,2-Trichlorotrifluoroethane	U		0.000414	0.00113	1	04/06/2018 06:44	WG1092315
Tetrachloroethene	0.00546		0.000313	0.00113	1	04/06/2018 06:44	WG1092315
Toluene	U		0.000492	0.00567	1	04/06/2018 06:44	WG1092315
1,2,3-Trichlorobenzene	U		0.000347	0.00113	1	04/06/2018 06:44	WG1092315
1,2,4-Trichlorobenzene	U		0.000440	0.00113	1	04/06/2018 06:44	WG1092315
1,1,1-Trichloroethane	U		0.000324	0.00113	1	04/06/2018 06:44	WG1092315
1,1,2-Trichloroethane	U		0.000314	0.00113	1	04/06/2018 06:44	WG1092315
Trichloroethene	0.00370		0.000316	0.00113	1	04/06/2018 06:44	WG1092315
Trichlorofluoromethane	U		0.000433	0.00567	1	04/06/2018 06:44	WG1092315
1,2,3-Trichloropropane	U		0.000840	0.00283	1	04/06/2018 06:44	WG1092315
1,2,4-Trimethylbenzene	U		0.000239	0.00113	1	04/06/2018 06:44	WG1092315
1,2,3-Trimethylbenzene	U		0.000325	0.00113	1	04/06/2018 06:44	WG1092315
1,3,5-Trimethylbenzene	U		0.000301	0.00113	1	04/06/2018 06:44	WG1092315
Vinyl acetate	U		0.00271	0.0113	1	04/06/2018 06:44	WG1092315
Vinyl chloride	0.0398		0.000330	0.00113	1	04/06/2018 06:44	WG1092315
Xylenes, Total	U		0.000791	0.00340	1	04/06/2018 06:44	WG1092315
(S) Toluene-d8	*106*			*80.0-120*		*04/06/2018 06:44*	WG1092315
(S) Dibromofluoromethane	*103*			*74.0-131*		*04/06/2018 06:44*	WG1092315
(S) 4-Bromofluorobenzene	*98.3*			*64.0-132*		*04/06/2018 06:44*	WG1092315

JC 4/25/18

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	88.7		1	04/04/2018 13:45	WG1093168

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.0133 J	J	0.0113	0.0563	1	04/02/2018 06:47	WG1092315
Acrylonitrile	U		0.00202	0.0113	1	04/02/2018 06:47	WG1092315
Benzene	U		0.000304	0.00113	1	04/02/2018 06:47	WG1092315
Bromobenzene	U		0.000320	0.00113	1	04/02/2018 06:47	WG1092315
Bromodichloromethane	U		0.000286	0.00113	1	04/02/2018 06:47	WG1092315
Bromochloromethane	U		0.000440	0.00563	1	04/02/2018 06:47	WG1092315
Bromoform	U		0.000478	0.00113	1	04/02/2018 06:47	WG1092315
Bromomethane	U		0.00151	0.00563	1	04/02/2018 06:47	WG1092315
n-Butylbenzene	U		0.000291	0.00113	1	04/02/2018 06:47	WG1092315
sec-Butylbenzene	U		0.000227	0.00113	1	04/02/2018 06:47	WG1092315
tert-Butylbenzene	U		0.000232	0.00113	1	04/02/2018 06:47	WG1092315
Carbon disulfide	U		0.000249	0.00113	1	04/02/2018 06:47	WG1092315
Carbon tetrachloride	U		0.000370	0.00113	1	04/02/2018 06:47	WG1092315
Chlorobenzene	U		0.000239	0.00113	1	04/02/2018 06:47	WG1092315
Chlorodibromomethane	U		0.000420	0.00113	1	04/02/2018 06:47	WG1092315
Chloroethane	U		0.00107	0.00563	1	04/02/2018 06:47	WG1092315
Chloroform	U		0.000258	0.00563	1	04/02/2018 06:47	WG1092315
Chloromethane	U		0.000423	0.00282	1	04/02/2018 06:47	WG1092315
2-Chlorotoluene	U		0.000339	0.00113	1	04/02/2018 06:47	WG1092315
4-Chlorotoluene	U		0.000270	0.00113	1	04/02/2018 06:47	WG1092315
1,2-Dibromo-3-Chloropropane	U		0.00118	0.00563	1	04/02/2018 06:47	WG1092315
1,2-Dibromoethane	U		0.000387	0.00113	1	04/02/2018 06:47	WG1092315
Dibromomethane	U		0.000431	0.00113	1	04/02/2018 06:47	WG1092315
1,2-Dichlorobenzene	U		0.000344	0.00113	1	04/02/2018 06:47	WG1092315
1,3-Dichlorobenzene	U		0.000269	0.00113	1	04/02/2018 06:47	WG1092315
1,4-Dichlorobenzene	U		0.000255	0.00113	1	04/02/2018 06:47	WG1092315
Dichlorodifluoromethane	U		0.000804	0.00563	1	04/02/2018 06:47	WG1092315
1,1-Dichloroethane	U		0.000224	0.00113	1	04/02/2018 06:47	WG1092315
1,2-Dichloroethane	U		0.000299	0.00113	1	04/02/2018 06:47	WG1092315
1,1-Dichloroethene	0.000632 J	J	0.000341	0.00113	1	04/02/2018 06:47	WG1092315
cis-1,2-Dichloroethene	0.0583		0.000265	0.00113	1	04/02/2018 06:47	WG1092315
trans-1,2-Dichloroethene	U		0.000298	0.00113	1	04/02/2018 06:47	WG1092315
1,2-Dichloropropane	U		0.000403	0.00113	1	04/02/2018 06:47	WG1092315
1,1-Dichloropropene	U		0.000357	0.00113	1	04/02/2018 06:47	WG1092315
1,3-Dichloropropane	U		0.000233	0.00113	1	04/02/2018 06:47	WG1092315
cis-1,3-Dichloropropene	U		0.000295	0.00113	1	04/02/2018 06:47	WG1092315
trans-1,3-Dichloropropene	U		0.000301	0.00113	1	04/02/2018 06:47	WG1092315
trans-1,4-Dichloro-2-butene	U		0.000877	0.00282	1	04/02/2018 06:47	WG1092315
2,2-Dichloropropane	U		0.000314	0.00113	1	04/02/2018 06:47	WG1092315
Di-isopropyl ether	U		0.000279	0.00113	1	04/02/2018 06:47	WG1092315
Ethylbenzene	U		0.000335	0.00113	1	04/02/2018 06:47	WG1092315
Hexachloro-1,3-butadiene	U		0.000385	0.00113	1	04/02/2018 06:47	WG1092315
2-Hexanone	U		0.00154	0.0113	1	04/02/2018 06:47	WG1092315
n-Hexane	U		0.000327	0.0113	1	04/02/2018 06:47	WG1092315
Iodomethane	U		0.00285	0.0113	1	04/02/2018 06:47	WG1092315
Isopropylbenzene	U		0.000274	0.00113	1	04/02/2018 06:47	WG1092315
p-Isopropyltoluene	U		0.000230	0.00113	1	04/02/2018 06:47	WG1092315
2-Butanone (MEK)	U		0.00527	0.0113	1	04/02/2018 06:47	WG1092315
Methylene Chloride	U		0.00113	0.00563	1	04/02/2018 06:47	WG1092315
4-Methyl-2-pentanone (MIBK)	U		0.00212	0.0113	1	04/02/2018 06:47	WG1092315

JC 4/25/18

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260C

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg		date / time	
Methyl tert-butyl ether	U		0.000239	0.00113	1	04/02/2018 06:47	WG1092315
Naphthalene	U		0.00113	0.00563	1	04/02/2018 06:47	WG1092315
n-Propylbenzene	U		0.000232	0.00113	1	04/02/2018 06:47	WG1092315
Styrene	U		0.000264	0.00113	1	04/02/2018 06:47	WG1092315
1,1,1,2-Tetrachloroethane	U		0.000298	0.00113	1	04/02/2018 06:47	WG1092315
1,1,2,2-Tetrachloroethane	U		0.000411	0.00113	1	04/02/2018 06:47	WG1092315
1,1,2-Trichlorotrifluoroethane	U		0.000411	0.00113	1	04/02/2018 06:47	WG1092315
Tetrachloroethene	0.00226		0.000311	0.00113	1	04/02/2018 06:47	WG1092315
Toluene	U		0.000489	0.00563	1	04/02/2018 06:47	WG1092315
1,2,3-Trichlorobenzene	U		0.000345	0.00113	1	04/02/2018 06:47	WG1092315
1,2,4-Trichlorobenzene	U		0.000437	0.00113	1	04/02/2018 06:47	WG1092315
1,1,1-Trichloroethane	U		0.000322	0.00113	1	04/02/2018 06:47	WG1092315
1,1,2-Trichloroethane	U		0.000312	0.00113	1	04/02/2018 06:47	WG1092315
Trichloroethene	0.00313		0.000314	0.00113	1	04/02/2018 06:47	WG1092315
Trichlorofluoromethane	U		0.000431	0.00563	1	04/02/2018 06:47	WG1092315
1,2,3-Trichloropropane	U		0.000835	0.00282	1	04/02/2018 06:47	WG1092315
1,2,4-Trimethylbenzene	U		0.000238	0.00113	1	04/02/2018 06:47	WG1092315
1,2,3-Trimethylbenzene	U		0.000323	0.00113	1	04/02/2018 06:47	WG1092315
1,3,5-Trimethylbenzene	U		0.000300	0.00113	1	04/02/2018 06:47	WG1092315
Vinyl acetate	U		0.00269	0.0113	1	04/02/2018 06:47	WG1092315
Vinyl chloride	0.00776		0.000328	0.00113	1	04/02/2018 06:47	WG1092315
Xylenes, Total	U		0.000787	0.00338	1	04/02/2018 06:47	WG1092315
(S) Toluene-d8	*99.5*			*80.0-120*		*04/02/2018 06:47*	WG1092315
(S) Dibromofluoromethane	*103*			*74.0-131*		*04/02/2018 06:47*	WG1092315
(S) 4-Bromofluorobenzene	*103*			*64.0-132*		*04/02/2018 06:47*	WG1092315

JC 4/25/18

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	93.4		1	04/04/2018 13:45	WG1093168

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.0212 J	J	0.0107	0.0536	1	04/02/2018 07:08	WG1092315
Acrylonitrile	U		0.00192	0.0107	1	04/02/2018 07:08	WG1092315
Benzene	0.000503 J	J	0.000289	0.00107	1	04/02/2018 07:08	WG1092315
Bromobenzene	U		0.000304	0.00107	1	04/02/2018 07:08	WG1092315
Bromodichloromethane	U		0.000272	0.00107	1	04/02/2018 07:08	WG1092315
Bromochloromethane	U		0.000418	0.00536	1	04/02/2018 07:08	WG1092315
Bromoform	U		0.000454	0.00107	1	04/02/2018 07:08	WG1092315
Bromomethane	U		0.00144	0.00536	1	04/02/2018 07:08	WG1092315
n-Butylbenzene	U		0.000276	0.00107	1	04/02/2018 07:08	WG1092315
sec-Butylbenzene	U		0.000215	0.00107	1	04/02/2018 07:08	WG1092315
tert-Butylbenzene	U		0.000221	0.00107	1	04/02/2018 07:08	WG1092315
Carbon disulfide	0.000626 J	J	0.000237	0.00107	1	04/02/2018 07:08	WG1092315
Carbon tetrachloride	U		0.000351	0.00107	1	04/02/2018 07:08	WG1092315
Chlorobenzene	U		0.000227	0.00107	1	04/02/2018 07:08	WG1092315
Chlorodibromomethane	U		0.000400	0.00107	1	04/02/2018 07:08	WG1092315
Chloroethane	U		0.00101	0.00536	1	04/02/2018 07:08	WG1092315
Chloroform	U		0.000245	0.00536	1	04/02/2018 07:08	WG1092315
Chloromethane	U		0.000402	0.00268	1	04/02/2018 07:08	WG1092315
2-Chlorotoluene	U		0.000322	0.00107	1	04/02/2018 07:08	WG1092315
4-Chlorotoluene	U		0.000257	0.00107	1	04/02/2018 07:08	WG1092315
1,2-Dibromo-3-Chloropropane	U		0.00112	0.00536	1	04/02/2018 07:08	WG1092315
1,2-Dibromoethane	U		0.000367	0.00107	1	04/02/2018 07:08	WG1092315
Dibromomethane	U		0.000409	0.00107	1	04/02/2018 07:08	WG1092315
1,2-Dichlorobenzene	U		0.000327	0.00107	1	04/02/2018 07:08	WG1092315
1,3-Dichlorobenzene	U		0.000256	0.00107	1	04/02/2018 07:08	WG1092315
1,4-Dichlorobenzene	U		0.000242	0.00107	1	04/02/2018 07:08	WG1092315
Dichlorodifluoromethane	U		0.000764	0.00536	1	04/02/2018 07:08	WG1092315
1,1-Dichloroethane	U		0.000213	0.00107	1	04/02/2018 07:08	WG1092315
1,2-Dichloroethane	U		0.000284	0.00107	1	04/02/2018 07:08	WG1092315
1,1-Dichloroethene	U		0.000325	0.00107	1	04/02/2018 07:08	WG1092315
cis-1,2-Dichloroethene	0.0180		0.000252	0.00107	1	04/02/2018 07:08	WG1092315
trans-1,2-Dichloroethene	U		0.000283	0.00107	1	04/02/2018 07:08	WG1092315
1,2-Dichloropropane	U		0.000383	0.00107	1	04/02/2018 07:08	WG1092315
1,1-Dichloropropene	U		0.000340	0.00107	1	04/02/2018 07:08	WG1092315
1,3-Dichloropropane	U		0.000222	0.00107	1	04/02/2018 07:08	WG1092315
cis-1,3-Dichloropropene	U		0.000281	0.00107	1	04/02/2018 07:08	WG1092315
trans-1,3-Dichloropropene	U		0.000286	0.00107	1	04/02/2018 07:08	WG1092315
trans-1,4-Dichloro-2-butene	U		0.000833	0.00268	1	04/02/2018 07:08	WG1092315
2,2-Dichloropropane	U		0.000299	0.00107	1	04/02/2018 07:08	WG1092315
Di-isopropyl ether	U		0.000266	0.00107	1	04/02/2018 07:08	WG1092315
Ethylbenzene	U		0.000318	0.00107	1	04/02/2018 07:08	WG1092315
Hexachloro-1,3-butadiene	U		0.000366	0.00107	1	04/02/2018 07:08	WG1092315
2-Hexanone	U		0.00147	0.0107	1	04/02/2018 07:08	WG1092315
n-Hexane	U		0.000311	0.0107	1	04/02/2018 07:08	WG1092315
Iodomethane	U		0.00271	0.0107	1	04/02/2018 07:08	WG1092315
Isopropylbenzene	U		0.000260	0.00107	1	04/02/2018 07:08	WG1092315
p-Isopropyltoluene	U		0.000219	0.00107	1	04/02/2018 07:08	WG1092315
2-Butanone (MEK)	0.00503 J	J	0.00501	0.0107	1	04/02/2018 07:08	WG1092315
Methylene Chloride	U		0.00107	0.00536	1	04/02/2018 07:08	WG1092315
4-Methyl-2-pentanone (MIBK)	U		0.00201	0.0107	1	04/02/2018 07:08	WG1092315

JC 4/25/18

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000227	0.00107	1	04/02/2018 07:08	WG1092315
Naphthalene	U		0.00107	0.00536	1	04/02/2018 07:08	WG1092315
n-Propylbenzene	U		0.000221	0.00107	1	04/02/2018 07:08	WG1092315
Styrene	U		0.000251	0.00107	1	04/02/2018 07:08	WG1092315
1,1,1,2-Tetrachloroethane	U		0.000283	0.00107	1	04/02/2018 07:08	WG1092315
1,1,2,2-Tetrachloroethane	U		0.000391	0.00107	1	04/02/2018 07:08	WG1092315
1,1,2-Trichlorotrifluoroethane	U		0.000391	0.00107	1	04/02/2018 07:08	WG1092315
Tetrachloroethene	0.00176		0.000296	0.00107	1	04/02/2018 07:08	WG1092315
Toluene	U		0.000465	0.00536	1	04/02/2018 07:08	WG1092315
1,2,3-Trichlorobenzene	U		0.000328	0.00107	1	04/02/2018 07:08	WG1092315
1,2,4-Trichlorobenzene	U		0.000416	0.00107	1	04/02/2018 07:08	WG1092315
1,1,1-Trichloroethane	U		0.000306	0.00107	1	04/02/2018 07:08	WG1092315
1,1,2-Trichloroethane	U		0.000297	0.00107	1	04/02/2018 07:08	WG1092315
Trichloroethene	0.00181		0.000299	0.00107	1	04/02/2018 07:08	WG1092315
Trichlorofluoromethane	U		0.000409	0.00536	1	04/02/2018 07:08	WG1092315
1,2,3-Trichloropropane	U		0.000794	0.00268	1	04/02/2018 07:08	WG1092315
1,2,4-Trimethylbenzene	U		0.000226	0.00107	1	04/02/2018 07:08	WG1092315
1,2,3-Trimethylbenzene	U		0.000307	0.00107	1	04/02/2018 07:08	WG1092315
1,3,5-Trimethylbenzene	U		0.000285	0.00107	1	04/02/2018 07:08	WG1092315
Vinyl acetate	U		0.00256	0.0107	1	04/02/2018 07:08	WG1092315
Vinyl chloride	0.00999		0.000312	0.00107	1	04/02/2018 07:08	WG1092315
Xylenes, Total	U		0.000748	0.00321	1	04/02/2018 07:08	WG1092315
(S) Toluene-d8	*101*			*80.0-120*		*04/02/2018 07:08*	WG1092315
(S) Dibromofluoromethane	*104*			*74.0-131*		*04/02/2018 07:08*	WG1092315
(S) 4-Bromofluorobenzene	*104*			*64.0-132*		*04/02/2018 07:08*	WG1092315

JC 4/25/18

B-245-65
Collected date/time: 03/29/18 09:42

SAMPLE RESULTS - 32

L981889

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	87.4		1	04/04/2018 13:45	WG1093168

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.0207 J	J	0.0114	0.0572	1	04/02/2018 07:29	WG1092315
Acrylonitrile	U		0.00205	0.0114	1	04/02/2018 07:29	WG1092315
Benzene	U		0.000309	0.00114	1	04/02/2018 07:29	WG1092315
Bromobenzene	U		0.000325	0.00114	1	04/02/2018 07:29	WG1092315
Bromodichloromethane	U		0.000291	0.00114	1	04/02/2018 07:29	WG1092315
Bromochloromethane	U		0.000446	0.00572	1	04/02/2018 07:29	WG1092315
Bromoform	U		0.000485	0.00114	1	04/02/2018 07:29	WG1092315
Bromomethane	U		0.00153	0.00572	1	04/02/2018 07:29	WG1092315
n-Butylbenzene	U		0.000295	0.00114	1	04/02/2018 07:29	WG1092315
sec-Butylbenzene	U		0.000230	0.00114	1	04/02/2018 07:29	WG1092315
tert-Butylbenzene	U		0.000236	0.00114	1	04/02/2018 07:29	WG1092315
Carbon disulfide	0.000633 J	J	0.000253	0.00114	1	04/02/2018 07:29	WG1092315
Carbon tetrachloride	U		0.000375	0.00114	1	04/02/2018 07:29	WG1092315
Chlorobenzene	U		0.000243	0.00114	1	04/02/2018 07:29	WG1092315
Chlorodibromomethane	U		0.000427	0.00114	1	04/02/2018 07:29	WG1092315
Chloroethane	U		0.00108	0.00572	1	04/02/2018 07:29	WG1092315
Chloroform	U		0.000262	0.00572	1	04/02/2018 07:29	WG1092315
Chloromethane	U		0.000429	0.00286	1	04/02/2018 07:29	WG1092315
2-Chlorotoluene	U		0.000344	0.00114	1	04/02/2018 07:29	WG1092315
4-Chlorotoluene	U		0.000275	0.00114	1	04/02/2018 07:29	WG1092315
1,2-Dibromo-3-Chloropropane	U		0.00120	0.00572	1	04/02/2018 07:29	WG1092315
1,2-Dibromoethane	U		0.000392	0.00114	1	04/02/2018 07:29	WG1092315
Dibromomethane	U		0.000437	0.00114	1	04/02/2018 07:29	WG1092315
1,2-Dichlorobenzene	U		0.000349	0.00114	1	04/02/2018 07:29	WG1092315
1,3-Dichlorobenzene	U		0.000273	0.00114	1	04/02/2018 07:29	WG1092315
1,4-Dichlorobenzene	U		0.000259	0.00114	1	04/02/2018 07:29	WG1092315
Dichlorodifluoromethane	U		0.000816	0.00572	1	04/02/2018 07:29	WG1092315
1,1-Dichloroethane	U		0.000228	0.00114	1	04/02/2018 07:29	WG1092315
1,2-Dichloroethane	U		0.000303	0.00114	1	04/02/2018 07:29	WG1092315
1,1-Dichloroethene	U		0.000347	0.00114	1	04/02/2018 07:29	WG1092315
cis-1,2-Dichloroethene	0.0101		0.000269	0.00114	1	04/02/2018 07:29	WG1092315
trans-1,2-Dichloroethene	U		0.000302	0.00114	1	04/02/2018 07:29	WG1092315
1,2-Dichloropropane	U		0.000410	0.00114	1	04/02/2018 07:29	WG1092315
1,1-Dichloropropene	U		0.000363	0.00114	1	04/02/2018 07:29	WG1092315
1,3-Dichloropropane	U		0.000237	0.00114	1	04/02/2018 07:29	WG1092315
cis-1,3-Dichloropropene	U		0.000300	0.00114	1	04/02/2018 07:29	WG1092315
trans-1,3-Dichloropropene	U		0.000305	0.00114	1	04/02/2018 07:29	WG1092315
trans-1,4-Dichloro-2-butene	U		0.000890	0.00286	1	04/02/2018 07:29	WG1092315
2,2-Dichloropropane	U		0.000319	0.00114	1	04/02/2018 07:29	WG1092315
Di-isopropyl ether	U		0.000284	0.00114	1	04/02/2018 07:29	WG1092315
Ethylbenzene	U		0.000340	0.00114	1	04/02/2018 07:29	WG1092315
Hexachloro-1,3-butadiene	U		0.000391	0.00114	1	04/02/2018 07:29	WG1092315
2-Hexanone	U		0.00157	0.0114	1	04/02/2018 07:29	WG1092315
n-Hexane	U		0.000332	0.0114	1	04/02/2018 07:29	WG1092315
Iodomethane	U		0.00289	0.0114	1	04/02/2018 07:29	WG1092315
Isopropylbenzene	U		0.000278	0.00114	1	04/02/2018 07:29	WG1092315
p-Isopropyltoluene	U		0.000233	0.00114	1	04/02/2018 07:29	WG1092315
2-Butanone (MEK)	0.00572 J	J	0.00535	0.0114	1	04/02/2018 07:29	WG1092315
Methylene Chloride	U		0.00114	0.00572	1	04/02/2018 07:29	WG1092315
4-Methyl-2-pentanone (MIBK)	U		0.00215	0.0114	1	04/02/2018 07:29	WG1092315

JC 4/25/18

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000243	0.00114	1	04/02/2018 07:29	WG1092315
Naphthalene	U		0.00114	0.00572	1	04/02/2018 07:29	WG1092315
n-Propylbenzene	U		0.000236	0.00114	1	04/02/2018 07:29	WG1092315
Styrene	U		0.000268	0.00114	1	04/02/2018 07:29	WG1092315
1,1,1,2-Tetrachloroethane	U		0.000302	0.00114	1	04/02/2018 07:29	WG1092315
1,1,2,2-Tetrachloroethane	U		0.000418	0.00114	1	04/02/2018 07:29	WG1092315
1,1,2-Trichlorotrifluoroethane	U		0.000418	0.00114	1	04/02/2018 07:29	WG1092315
Tetrachloroethene	0.000656 J	J	0.000316	0.00114	1	04/02/2018 07:29	WG1092315
Toluene	U		0.000497	0.00572	1	04/02/2018 07:29	WG1092315
1,2,3-Trichlorobenzene	U		0.000350	0.00114	1	04/02/2018 07:29	WG1092315
1,2,4-Trichlorobenzene	U		0.000444	0.00114	1	04/02/2018 07:29	WG1092315
1,1,1-Trichloroethane	U		0.000327	0.00114	1	04/02/2018 07:29	WG1092315
1,1,2-Trichloroethane	U		0.000317	0.00114	1	04/02/2018 07:29	WG1092315
Trichloroethene	0.000449 J	J	0.000319	0.00114	1	04/02/2018 07:29	WG1092315
Trichlorofluoromethane	U		0.000437	0.00572	1	04/02/2018 07:29	WG1092315
1,2,3-Trichloropropane	U		0.000848	0.00286	1	04/02/2018 07:29	WG1092315
1,2,4-Trimethylbenzene	U		0.000241	0.00114	1	04/02/2018 07:29	WG1092315
1,2,3-Trimethylbenzene	U		0.000328	0.00114	1	04/02/2018 07:29	WG1092315
1,3,5-Trimethylbenzene	U		0.000304	0.00114	1	04/02/2018 07:29	WG1092315
Vinyl acetate	U		0.00273	0.0114	1	04/02/2018 07:29	WG1092315
Vinyl chloride	0.00929		0.000333	0.00114	1	04/02/2018 07:29	WG1092315
Xylenes, Total	U		0.000799	0.00343	1	04/02/2018 07:29	WG1092315
(S) Toluene-d8	*101*			*80.0-120*		*04/02/2018 07:29*	WG1092315
(S) Dibromofluoromethane	*105*			*74.0-131*		*04/02/2018 07:29*	WG1092315
(S) 4-Bromofluorobenzene	*104*			*64.0-132*		*04/02/2018 07:29*	WG1092315

JC 4/25/18

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	85.0		1	04/04/2018 13:45	WG1093168

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U UJ	J0	0.0118	0.0588	1	04/01/2018 23:39	WG1092317
Acrylonitrile	U		0.00211	0.0118	1	04/01/2018 23:39	WG1092317
Benzene	U		0.000318	0.00118	1	04/01/2018 23:39	WG1092317
Bromobenzene	U		0.000334	0.00118	1	04/01/2018 23:39	WG1092317
Bromodichloromethane	U		0.000299	0.00118	1	04/01/2018 23:39	WG1092317
Bromochloromethane	U		0.000459	0.00588	1	04/01/2018 23:39	WG1092317
Bromoform	U	UJ J0	0.000499	0.00118	1	04/01/2018 23:39	WG1092317
Bromomethane	U		0.00158	0.00588	1	04/01/2018 23:39	WG1092317
n-Butylbenzene	U		0.000303	0.00118	1	04/01/2018 23:39	WG1092317
sec-Butylbenzene	U		0.000236	0.00118	1	04/01/2018 23:39	WG1092317
tert-Butylbenzene	U		0.000242	0.00118	1	04/01/2018 23:39	WG1092317
Carbon disulfide	U		0.000260	0.00118	1	04/01/2018 23:39	WG1092317
Carbon tetrachloride	U		0.000386	0.00118	1	04/01/2018 23:39	WG1092317
Chlorobenzene	U		0.000249	0.00118	1	04/01/2018 23:39	WG1092317
Chlorodibromomethane	U		0.000439	0.00118	1	04/01/2018 23:39	WG1092317
Chloroethane	U		0.00111	0.00588	1	04/01/2018 23:39	WG1092317
Chloroform	U		0.000269	0.00588	1	04/01/2018 23:39	WG1092317
Chloromethane	U		0.000441	0.00294	1	04/01/2018 23:39	WG1092317
2-Chlorotoluene	U		0.000354	0.00118	1	04/01/2018 23:39	WG1092317
4-Chlorotoluene	U		0.000282	0.00118	1	04/01/2018 23:39	WG1092317
1,2-Dibromo-3-Chloropropane	U		0.00124	0.00588	1	04/01/2018 23:39	WG1092317
1,2-Dibromoethane	U		0.000403	0.00118	1	04/01/2018 23:39	WG1092317
Dibromomethane	U		0.000449	0.00118	1	04/01/2018 23:39	WG1092317
1,2-Dichlorobenzene	U		0.000359	0.00118	1	04/01/2018 23:39	WG1092317
1,3-Dichlorobenzene	U		0.000281	0.00118	1	04/01/2018 23:39	WG1092317
1,4-Dichlorobenzene	U		0.000266	0.00118	1	04/01/2018 23:39	WG1092317
Dichlorodifluoromethane	U		0.000839	0.00588	1	04/01/2018 23:39	WG1092317
1,1-Dichloroethane	U		0.000234	0.00118	1	04/01/2018 23:39	WG1092317
1,2-Dichloroethane	U		0.000312	0.00118	1	04/01/2018 23:39	WG1092317
1,1-Dichloroethene	U		0.000356	0.00118	1	04/01/2018 23:39	WG1092317
cis-1,2-Dichloroethene	0.000656	J J	0.000276	0.00118	1	04/01/2018 23:39	WG1092317
trans-1,2-Dichloroethene	U		0.000311	0.00118	1	04/01/2018 23:39	WG1092317
1,2-Dichloropropane	U		0.000421	0.00118	1	04/01/2018 23:39	WG1092317
1,1-Dichloropropene	U		0.000373	0.00118	1	04/01/2018 23:39	WG1092317
1,3-Dichloropropane	U		0.000244	0.00118	1	04/01/2018 23:39	WG1092317
cis-1,3-Dichloropropene	U		0.000308	0.00118	1	04/01/2018 23:39	WG1092317
trans-1,3-Dichloropropene	U		0.000314	0.00118	1	04/01/2018 23:39	WG1092317
trans-1,4-Dichloro-2-butene	U	UJ J0	0.000915	0.00294	1	04/01/2018 23:39	WG1092317
2,2-Dichloropropane	U		0.000328	0.00118	1	04/01/2018 23:39	WG1092317
Di-isopropyl ether	U	UJ J0	0.000292	0.00118	1	04/01/2018 23:39	WG1092317
Ethylbenzene	U		0.000349	0.00118	1	04/01/2018 23:39	WG1092317
Hexachloro-1,3-butadiene	U		0.000402	0.00118	1	04/01/2018 23:39	WG1092317
2-Hexanone	U		0.00161	0.0118	1	04/01/2018 23:39	WG1092317
n-Hexane	U		0.000341	0.0118	1	04/01/2018 23:39	WG1092317
Iodomethane	U		0.00298	0.0118	1	04/01/2018 23:39	WG1092317
Isopropylbenzene	U		0.000286	0.00118	1	04/01/2018 23:39	WG1092317
p-Isopropyltoluene	U		0.000240	0.00118	1	04/01/2018 23:39	WG1092317
2-Butanone (MEK)	U	UJ J0	0.00551	0.0118	1	04/01/2018 23:39	WG1092317
Methylene Chloride	U		0.00118	0.00588	1	04/01/2018 23:39	WG1092317
4-Methyl-2-pentanone (MIBK)	U		0.00221	0.0118	1	04/01/2018 23:39	WG1092317

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000249	0.00118	1	04/01/2018 23:39	WG1092317
Naphthalene	U		0.00118	0.00588	1	04/01/2018 23:39	WG1092317
n-Propylbenzene	U		0.000242	0.00118	1	04/01/2018 23:39	WG1092317
Styrene	U		0.000275	0.00118	1	04/01/2018 23:39	WG1092317
1,1,1,2-Tetrachloroethane	U		0.000311	0.00118	1	04/01/2018 23:39	WG1092317
1,1,2,2-Tetrachloroethane	U		0.000429	0.00118	1	04/01/2018 23:39	WG1092317
1,1,2-Trichlorotrifluoroethane	U		0.000429	0.00118	1	04/01/2018 23:39	WG1092317
Tetrachloroethene	U		0.000325	0.00118	1	04/01/2018 23:39	WG1092317
Toluene	U		0.000511	0.00588	1	04/01/2018 23:39	WG1092317
1,2,3-Trichlorobenzene	U	J4	0.000360	0.00118	1	04/01/2018 23:39	WG1092317
1,2,4-Trichlorobenzene	U	J4	0.000456	0.00118	1	04/01/2018 23:39	WG1092317
1,1,1-Trichloroethane	U		0.000336	0.00118	1	04/01/2018 23:39	WG1092317
1,1,2-Trichloroethane	U		0.000326	0.00118	1	04/01/2018 23:39	WG1092317
Trichloroethene	U		0.000328	0.00118	1	04/01/2018 23:39	WG1092317
Trichlorofluoromethane	U		0.000449	0.00588	1	04/01/2018 23:39	WG1092317
1,2,3-Trichloropropane	U		0.000872	0.00294	1	04/01/2018 23:39	WG1092317
1,2,4-Trimethylbenzene	U		0.000248	0.00118	1	04/01/2018 23:39	WG1092317
1,2,3-Trimethylbenzene	U		0.000338	0.00118	1	04/01/2018 23:39	WG1092317
1,3,5-Trimethylbenzene	U		0.000313	0.00118	1	04/01/2018 23:39	WG1092317
Vinyl acetate	U UJ	J0	0.00281	0.0118	1	04/01/2018 23:39	WG1092317
Vinyl chloride	0.00151		0.000342	0.00118	1	04/01/2018 23:39	WG1092317
Xylenes, Total	U		0.000821	0.00353	1	04/01/2018 23:39	WG1092317
(S) Toluene-d8	*103*			*80.0-120*		*04/01/2018 23:39*	WG1092317
(S) Dibromofluoromethane	*102*			*74.0-131*		*04/01/2018 23:39*	WG1092317
(S) 4-Bromofluorobenzene	*92.9*			*64.0-132*		*04/01/2018 23:39*	WG1092317

JC 4/25/18

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	88.7		1	04/04/2018 13:45	WG1093168

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U UJ	J0	0.0113	0.0564	1	04/01/2018 23:59	WG1092317
Acrylonitrile	U		0.00202	0.0113	1	04/01/2018 23:59	WG1092317
Benzene	U		0.000304	0.00113	1	04/01/2018 23:59	WG1092317
Bromobenzene	U		0.000320	0.00113	1	04/01/2018 23:59	WG1092317
Bromodichloromethane	U		0.000286	0.00113	1	04/01/2018 23:59	WG1092317
Bromochloromethane	U		0.000440	0.00564	1	04/01/2018 23:59	WG1092317
Bromoform	U UJ	J0	0.000478	0.00113	1	04/01/2018 23:59	WG1092317
Bromomethane	U		0.00151	0.00564	1	04/01/2018 23:59	WG1092317
n-Butylbenzene	U		0.000291	0.00113	1	04/01/2018 23:59	WG1092317
sec-Butylbenzene	U		0.000227	0.00113	1	04/01/2018 23:59	WG1092317
tert-Butylbenzene	U		0.000232	0.00113	1	04/01/2018 23:59	WG1092317
Carbon disulfide	0.000440 J	J	0.000249	0.00113	1	04/01/2018 23:59	WG1092317
Carbon tetrachloride	U		0.000370	0.00113	1	04/01/2018 23:59	WG1092317
Chlorobenzene	U		0.000239	0.00113	1	04/01/2018 23:59	WG1092317
Chlorodibromomethane	U		0.000420	0.00113	1	04/01/2018 23:59	WG1092317
Chloroethane	U		0.00107	0.00564	1	04/01/2018 23:59	WG1092317
Chloroform	U		0.000258	0.00564	1	04/01/2018 23:59	WG1092317
Chloromethane	U		0.000423	0.00282	1	04/01/2018 23:59	WG1092317
2-Chlorotoluene	U		0.000339	0.00113	1	04/01/2018 23:59	WG1092317
4-Chlorotoluene	U		0.000270	0.00113	1	04/01/2018 23:59	WG1092317
1,2-Dibromo-3-Chloropropane	U		0.00118	0.00564	1	04/01/2018 23:59	WG1092317
1,2-Dibromoethane	U		0.000387	0.00113	1	04/01/2018 23:59	WG1092317
Dibromomethane	U		0.000431	0.00113	1	04/01/2018 23:59	WG1092317
1,2-Dichlorobenzene	U		0.000344	0.00113	1	04/01/2018 23:59	WG1092317
1,3-Dichlorobenzene	U		0.000269	0.00113	1	04/01/2018 23:59	WG1092317
1,4-Dichlorobenzene	U		0.000255	0.00113	1	04/01/2018 23:59	WG1092317
Dichlorodifluoromethane	U		0.000804	0.00564	1	04/01/2018 23:59	WG1092317
1,1-Dichloroethane	U		0.000224	0.00113	1	04/01/2018 23:59	WG1092317
1,2-Dichloroethane	U		0.000299	0.00113	1	04/01/2018 23:59	WG1092317
1,1-Dichloroethene	U		0.000341	0.00113	1	04/01/2018 23:59	WG1092317
cis-1,2-Dichloroethene	0.000841 J	J	0.000265	0.00113	1	04/01/2018 23:59	WG1092317
trans-1,2-Dichloroethene	U		0.000298	0.00113	1	04/01/2018 23:59	WG1092317
1,2-Dichloropropane	U		0.000403	0.00113	1	04/01/2018 23:59	WG1092317
1,1-Dichloropropene	U		0.000357	0.00113	1	04/01/2018 23:59	WG1092317
1,3-Dichloropropane	U		0.000233	0.00113	1	04/01/2018 23:59	WG1092317
cis-1,3-Dichloropropene	U		0.000295	0.00113	1	04/01/2018 23:59	WG1092317
trans-1,3-Dichloropropene	U		0.000301	0.00113	1	04/01/2018 23:59	WG1092317
trans-1,4-Dichloro-2-butene	U UJ	J0	0.000877	0.00282	1	04/01/2018 23:59	WG1092317
2,2-Dichloropropane	U		0.000314	0.00113	1	04/01/2018 23:59	WG1092317
Di-isopropyl ether	U UJ	J0	0.000280	0.00113	1	04/01/2018 23:59	WG1092317
Ethylbenzene	U		0.000335	0.00113	1	04/01/2018 23:59	WG1092317
Hexachloro-1,3-butadiene	U		0.000385	0.00113	1	04/01/2018 23:59	WG1092317
2-Hexanone	U		0.00154	0.0113	1	04/01/2018 23:59	WG1092317
n-Hexane	U		0.000327	0.0113	1	04/01/2018 23:59	WG1092317
Iodomethane	U		0.00285	0.0113	1	04/01/2018 23:59	WG1092317
Isopropylbenzene	U		0.000274	0.00113	1	04/01/2018 23:59	WG1092317
p-Isopropyltoluene	U		0.000230	0.00113	1	04/01/2018 23:59	WG1092317
2-Butanone (MEK)	U UJ	J0	0.00527	0.0113	1	04/01/2018 23:59	WG1092317
Methylene Chloride	U		0.00113	0.00564	1	04/01/2018 23:59	WG1092317
4-Methyl-2-pentanone (MIBK)	U		0.00212	0.0113	1	04/01/2018 23:59	WG1092317

JC 4/25/18

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000239	0.00113	1	04/01/2018 23:59	WG1092317
Naphthalene	U		0.00113	0.00564	1	04/01/2018 23:59	WG1092317
n-Propylbenzene	U		0.000232	0.00113	1	04/01/2018 23:59	WG1092317
Styrene	U		0.000264	0.00113	1	04/01/2018 23:59	WG1092317
1,1,1,2-Tetrachloroethane	U		0.000298	0.00113	1	04/01/2018 23:59	WG1092317
1,1,2,2-Tetrachloroethane	U		0.000411	0.00113	1	04/01/2018 23:59	WG1092317
1,1,2-Trichlorotrifluoroethane	U		0.000411	0.00113	1	04/01/2018 23:59	WG1092317
Tetrachloroethene	U		0.000311	0.00113	1	04/01/2018 23:59	WG1092317
Toluene	U		0.000489	0.00564	1	04/01/2018 23:59	WG1092317
1,2,3-Trichlorobenzene	U	J4	0.000345	0.00113	1	04/01/2018 23:59	WG1092317
1,2,4-Trichlorobenzene	U	J4	0.000437	0.00113	1	04/01/2018 23:59	WG1092317
1,1,1-Trichloroethane	U		0.000322	0.00113	1	04/01/2018 23:59	WG1092317
1,1,2-Trichloroethane	U		0.000312	0.00113	1	04/01/2018 23:59	WG1092317
Trichloroethene	U		0.000314	0.00113	1	04/01/2018 23:59	WG1092317
Trichlorofluoromethane	U		0.000431	0.00564	1	04/01/2018 23:59	WG1092317
1,2,3-Trichloropropane	U		0.000835	0.00282	1	04/01/2018 23:59	WG1092317
1,2,4-Trimethylbenzene	U		0.000238	0.00113	1	04/01/2018 23:59	WG1092317
1,2,3-Trimethylbenzene	U		0.000323	0.00113	1	04/01/2018 23:59	WG1092317
1,3,5-Trimethylbenzene	U		0.000300	0.00113	1	04/01/2018 23:59	WG1092317
Vinyl acetate	U UJ	J0	0.00269	0.0113	1	04/01/2018 23:59	WG1092317
Vinyl chloride	0.000623 J	J	0.000328	0.00113	1	04/01/2018 23:59	WG1092317
Xylenes, Total	U		0.000787	0.00338	1	04/01/2018 23:59	WG1092317
(S) Toluene-d8	*108*			*80.0-120*		*04/01/2018 23:59*	WG1092317
(S) Dibromofluoromethane	*98.9*			*74.0-131*		*04/01/2018 23:59*	WG1092317
(S) 4-Bromofluorobenzene	*91.7*			*64.0-132*		*04/01/2018 23:59*	WG1092317

JC 4/25/18

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	86.3		1	04/04/2018 13:45	WG1093168

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg		Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U	UJ	J0	0.0116	0.0579	1	04/02/2018 00:18	WG1092317
Acrylonitrile	U			0.00207	0.0116	1	04/02/2018 00:18	WG1092317
Benzene	U			0.000313	0.00116	1	04/02/2018 00:18	WG1092317
Bromobenzene	U			0.000329	0.00116	1	04/02/2018 00:18	WG1092317
Bromodichloromethane	U			0.000294	0.00116	1	04/02/2018 00:18	WG1092317
Bromochloromethane	U			0.000452	0.00579	1	04/02/2018 00:18	WG1092317
Bromoform	U	UJ	J0	0.000491	0.00116	1	04/02/2018 00:18	WG1092317
Bromomethane	U			0.00155	0.00579	1	04/02/2018 00:18	WG1092317
n-Butylbenzene	U			0.000299	0.00116	1	04/02/2018 00:18	WG1092317
sec-Butylbenzene	U			0.000233	0.00116	1	04/02/2018 00:18	WG1092317
tert-Butylbenzene	U			0.000239	0.00116	1	04/02/2018 00:18	WG1092317
Carbon disulfide	U			0.000256	0.00116	1	04/02/2018 00:18	WG1092317
Carbon tetrachloride	U			0.000380	0.00116	1	04/02/2018 00:18	WG1092317
Chlorobenzene	U			0.000246	0.00116	1	04/02/2018 00:18	WG1092317
Chlorodibromomethane	U			0.000432	0.00116	1	04/02/2018 00:18	WG1092317
Chloroethane	U			0.00110	0.00579	1	04/02/2018 00:18	WG1092317
Chloroform	U			0.000265	0.00579	1	04/02/2018 00:18	WG1092317
Chloromethane	U			0.000434	0.00290	1	04/02/2018 00:18	WG1092317
2-Chlorotoluene	U			0.000349	0.00116	1	04/02/2018 00:18	WG1092317
4-Chlorotoluene	U			0.000278	0.00116	1	04/02/2018 00:18	WG1092317
1,2-Dibromo-3-Chloropropane	U			0.00122	0.00579	1	04/02/2018 00:18	WG1092317
1,2-Dibromoethane	U			0.000397	0.00116	1	04/02/2018 00:18	WG1092317
Dibromomethane	U			0.000443	0.00116	1	04/02/2018 00:18	WG1092317
1,2-Dichlorobenzene	U			0.000353	0.00116	1	04/02/2018 00:18	WG1092317
1,3-Dichlorobenzene	U			0.000277	0.00116	1	04/02/2018 00:18	WG1092317
1,4-Dichlorobenzene	U			0.000262	0.00116	1	04/02/2018 00:18	WG1092317
Dichlorodifluoromethane	U			0.000826	0.00579	1	04/02/2018 00:18	WG1092317
1,1-Dichloroethane	U			0.000231	0.00116	1	04/02/2018 00:18	WG1092317
1,2-Dichloroethane	U			0.000307	0.00116	1	04/02/2018 00:18	WG1092317
1,1-Dichloroethene	U			0.000351	0.00116	1	04/02/2018 00:18	WG1092317
cis-1,2-Dichloroethene	0.000946	J	J	0.000272	0.00116	1	04/02/2018 00:18	WG1092317
trans-1,2-Dichloroethene	U			0.000306	0.00116	1	04/02/2018 00:18	WG1092317
1,2-Dichloropropane	U			0.000415	0.00116	1	04/02/2018 00:18	WG1092317
1,1-Dichloropropene	U			0.000367	0.00116	1	04/02/2018 00:18	WG1092317
1,3-Dichloropropane	U			0.000240	0.00116	1	04/02/2018 00:18	WG1092317
cis-1,3-Dichloropropene	U			0.000304	0.00116	1	04/02/2018 00:18	WG1092317
trans-1,3-Dichloropropene	U			0.000309	0.00116	1	04/02/2018 00:18	WG1092317
trans-1,4-Dichloro-2-butene	U	UJ	J0	0.000901	0.00290	1	04/02/2018 00:18	WG1092317
2,2-Dichloropropane	U			0.000323	0.00116	1	04/02/2018 00:18	WG1092317
Di-isopropyl ether	U	UJ	J0	0.000287	0.00116	1	04/02/2018 00:18	WG1092317
Ethylbenzene	U			0.000344	0.00116	1	04/02/2018 00:18	WG1092317
Hexachloro-1,3-butadiene	U			0.000396	0.00116	1	04/02/2018 00:18	WG1092317
2-Hexanone	U			0.00159	0.0116	1	04/02/2018 00:18	WG1092317
n-Hexane	0.000873	J	J	0.000336	0.0116	1	04/02/2018 00:18	WG1092317
Iodomethane	U			0.00293	0.0116	1	04/02/2018 00:18	WG1092317
Isopropylbenzene	U			0.000282	0.00116	1	04/02/2018 00:18	WG1092317
p-Isopropyltoluene	U			0.000236	0.00116	1	04/02/2018 00:18	WG1092317
2-Butanone (MEK)	U	UJ	J0	0.00542	0.0116	1	04/02/2018 00:18	WG1092317
Methylene Chloride	U			0.00116	0.00579	1	04/02/2018 00:18	WG1092317
4-Methyl-2-pentanone (MIBK)	U			0.00218	0.0116	1	04/02/2018 00:18	WG1092317

JC 4/25/18

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000246	0.00116	1	04/02/2018 00:18	WG1092317
Naphthalene	U		0.00116	0.00579	1	04/02/2018 00:18	WG1092317
n-Propylbenzene	U		0.000239	0.00116	1	04/02/2018 00:18	WG1092317
Styrene	U		0.000271	0.00116	1	04/02/2018 00:18	WG1092317
1,1,1,2-Tetrachloroethane	U		0.000306	0.00116	1	04/02/2018 00:18	WG1092317
1,1,2,2-Tetrachloroethane	U		0.000423	0.00116	1	04/02/2018 00:18	WG1092317
1,1,2-Trichlorotrifluoroethane	U		0.000423	0.00116	1	04/02/2018 00:18	WG1092317
Tetrachloroethene	U		0.000320	0.00116	1	04/02/2018 00:18	WG1092317
Toluene	U		0.000503	0.00579	1	04/02/2018 00:18	WG1092317
1,2,3-Trichlorobenzene	U	J4	0.000355	0.00116	1	04/02/2018 00:18	WG1092317
1,2,4-Trichlorobenzene	U	J4	0.000450	0.00116	1	04/02/2018 00:18	WG1092317
1,1,1-Trichloroethane	U		0.000331	0.00116	1	04/02/2018 00:18	WG1092317
1,1,2-Trichloroethane	U		0.000321	0.00116	1	04/02/2018 00:18	WG1092317
Trichloroethene	U		0.000323	0.00116	1	04/02/2018 00:18	WG1092317
Trichlorofluoromethane	U		0.000443	0.00579	1	04/02/2018 00:18	WG1092317
1,2,3-Trichloropropane	U		0.000858	0.00290	1	04/02/2018 00:18	WG1092317
1,2,4-Trimethylbenzene	U		0.000244	0.00116	1	04/02/2018 00:18	WG1092317
1,2,3-Trimethylbenzene	U		0.000333	0.00116	1	04/02/2018 00:18	WG1092317
1,3,5-Trimethylbenzene	U		0.000308	0.00116	1	04/02/2018 00:18	WG1092317
Vinyl acetate	U UJ	J0	0.00277	0.0116	1	04/02/2018 00:18	WG1092317
Vinyl chloride	0.000863 J	J	0.000337	0.00116	1	04/02/2018 00:18	WG1092317
Xylenes, Total	U		0.000809	0.00348	1	04/02/2018 00:18	WG1092317
(S) Toluene-d8	*106*			*80.0-120*		*04/02/2018 00:18*	WG1092317
(S) Dibromofluoromethane	*103*			*74.0-131*		*04/02/2018 00:18*	WG1092317
(S) 4-Bromofluorobenzene	*87.2*			*64.0-132*		*04/02/2018 00:18*	WG1092317

JC 4/25/18

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	88.2		1	04/04/2018 13:45	WG1093168

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U UJ	J0	0.0113	0.0567	1	04/02/2018 00:38	WG1092317
Acrylonitrile	U		0.00203	0.0113	1	04/02/2018 00:38	WG1092317
Benzene	U		0.000306	0.00113	1	04/02/2018 00:38	WG1092317
Bromobenzene	U		0.000322	0.00113	1	04/02/2018 00:38	WG1092317
Bromodichloromethane	U		0.000288	0.00113	1	04/02/2018 00:38	WG1092317
Bromochloromethane	U		0.000442	0.00567	1	04/02/2018 00:38	WG1092317
Bromoform	U UJ	J0	0.000481	0.00113	1	04/02/2018 00:38	WG1092317
Bromomethane	U		0.00152	0.00567	1	04/02/2018 00:38	WG1092317
n-Butylbenzene	U		0.000293	0.00113	1	04/02/2018 00:38	WG1092317
sec-Butylbenzene	U		0.000228	0.00113	1	04/02/2018 00:38	WG1092317
tert-Butylbenzene	U		0.000234	0.00113	1	04/02/2018 00:38	WG1092317
Carbon disulfide	U		0.000251	0.00113	1	04/02/2018 00:38	WG1092317
Carbon tetrachloride	U		0.000372	0.00113	1	04/02/2018 00:38	WG1092317
Chlorobenzene	U		0.000240	0.00113	1	04/02/2018 00:38	WG1092317
Chlorodibromomethane	U		0.000423	0.00113	1	04/02/2018 00:38	WG1092317
Chloroethane	U		0.00107	0.00567	1	04/02/2018 00:38	WG1092317
Chloroform	U		0.000260	0.00567	1	04/02/2018 00:38	WG1092317
Chloromethane	U		0.000425	0.00284	1	04/02/2018 00:38	WG1092317
2-Chlorotoluene	U		0.000341	0.00113	1	04/02/2018 00:38	WG1092317
4-Chlorotoluene	U		0.000272	0.00113	1	04/02/2018 00:38	WG1092317
1,2-Dibromo-3-Chloropropane	U		0.00119	0.00567	1	04/02/2018 00:38	WG1092317
1,2-Dibromoethane	U		0.000389	0.00113	1	04/02/2018 00:38	WG1092317
Dibromomethane	U		0.000433	0.00113	1	04/02/2018 00:38	WG1092317
1,2-Dichlorobenzene	U		0.000346	0.00113	1	04/02/2018 00:38	WG1092317
1,3-Dichlorobenzene	U		0.000271	0.00113	1	04/02/2018 00:38	WG1092317
1,4-Dichlorobenzene	U		0.000256	0.00113	1	04/02/2018 00:38	WG1092317
Dichlorodifluoromethane	U		0.000809	0.00567	1	04/02/2018 00:38	WG1092317
1,1-Dichloroethane	U		0.000226	0.00113	1	04/02/2018 00:38	WG1092317
1,2-Dichloroethane	U		0.000301	0.00113	1	04/02/2018 00:38	WG1092317
1,1-Dichloroethene	U		0.000344	0.00113	1	04/02/2018 00:38	WG1092317
cis-1,2-Dichloroethene	U		0.000266	0.00113	1	04/02/2018 00:38	WG1092317
trans-1,2-Dichloroethene	U		0.000299	0.00113	1	04/02/2018 00:38	WG1092317
1,2-Dichloropropane	U		0.000406	0.00113	1	04/02/2018 00:38	WG1092317
1,1-Dichloropropene	U		0.000359	0.00113	1	04/02/2018 00:38	WG1092317
1,3-Dichloropropane	U		0.000235	0.00113	1	04/02/2018 00:38	WG1092317
cis-1,3-Dichloropropene	U		0.000297	0.00113	1	04/02/2018 00:38	WG1092317
trans-1,3-Dichloropropene	U		0.000303	0.00113	1	04/02/2018 00:38	WG1092317
trans-1,4-Dichloro-2-butene	U UJ	J0	0.000882	0.00284	1	04/02/2018 00:38	WG1092317
2,2-Dichloropropane	U		0.000316	0.00113	1	04/02/2018 00:38	WG1092317
Di-isopropyl ether	U UJ	J0	0.000281	0.00113	1	04/02/2018 00:38	WG1092317
Ethylbenzene	U		0.000337	0.00113	1	04/02/2018 00:38	WG1092317
Hexachloro-1,3-butadiene	U		0.000388	0.00113	1	04/02/2018 00:38	WG1092317
2-Hexanone	U		0.00155	0.0113	1	04/02/2018 00:38	WG1092317
n-Hexane	U		0.000329	0.0113	1	04/02/2018 00:38	WG1092317
Iodomethane	U		0.00287	0.0113	1	04/02/2018 00:38	WG1092317
Isopropylbenzene	U		0.000276	0.00113	1	04/02/2018 00:38	WG1092317
p-Isopropyltoluene	U		0.000231	0.00113	1	04/02/2018 00:38	WG1092317
2-Butanone (MEK)	U UJ	J0	0.00531	0.0113	1	04/02/2018 00:38	WG1092317 JC 4/25/18
Methylene Chloride	U		0.00113	0.00567	1	04/02/2018 00:38	WG1092317
4-Methyl-2-pentanone (MIBK)	U		0.00213	0.0113	1	04/02/2018 00:38	WG1092317

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg		Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U			0.000240	0.00113	1	04/02/2018 00:38	WG1092317
Naphthalene	U			0.00113	0.00567	1	04/02/2018 00:38	WG1092317
n-Propylbenzene	U			0.000234	0.00113	1	04/02/2018 00:38	WG1092317
Styrene	U			0.000265	0.00113	1	04/02/2018 00:38	WG1092317
1,1,1,2-Tetrachloroethane	U			0.000299	0.00113	1	04/02/2018 00:38	WG1092317
1,1,2,2-Tetrachloroethane	U			0.000414	0.00113	1	04/02/2018 00:38	WG1092317
1,1,2-Trichlorotrifluoroethane	U			0.000414	0.00113	1	04/02/2018 00:38	WG1092317
Tetrachloroethene	U			0.000313	0.00113	1	04/02/2018 00:38	WG1092317
Toluene	U			0.000492	0.00567	1	04/02/2018 00:38	WG1092317
1,2,3-Trichlorobenzene	U		J4	0.000347	0.00113	1	04/02/2018 00:38	WG1092317
1,2,4-Trichlorobenzene	U		J4	0.000440	0.00113	1	04/02/2018 00:38	WG1092317
1,1,1-Trichloroethane	U			0.000324	0.00113	1	04/02/2018 00:38	WG1092317
1,1,2-Trichloroethane	U			0.000314	0.00113	1	04/02/2018 00:38	WG1092317
Trichloroethene	U			0.000316	0.00113	1	04/02/2018 00:38	WG1092317
Trichlorofluoromethane	U			0.000433	0.00567	1	04/02/2018 00:38	WG1092317
1,2,3-Trichloropropane	U			0.000840	0.00284	1	04/02/2018 00:38	WG1092317
1,2,4-Trimethylbenzene	U			0.000239	0.00113	1	04/02/2018 00:38	WG1092317
1,2,3-Trimethylbenzene	U			0.000325	0.00113	1	04/02/2018 00:38	WG1092317
1,3,5-Trimethylbenzene	U			0.000302	0.00113	1	04/02/2018 00:38	WG1092317
Vinyl acetate	U	UJ	J0	0.00271	0.0113	1	04/02/2018 00:38	WG1092317
Vinyl chloride	U			0.000330	0.00113	1	04/02/2018 00:38	WG1092317
Xylenes, Total	U			0.000792	0.00340	1	04/02/2018 00:38	WG1092317
(S) Toluene-d8	*105*				*80.0-120*		*04/02/2018 00:38*	WG1092317
(S) Dibromofluoromethane	*102*				*74.0-131*		*04/02/2018 00:38*	WG1092317
(S) 4-Bromofluorobenzene	*89.1*				*64.0-132*		*04/02/2018 00:38*	WG1092317

JC 4/25/18

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	91.4		1	04/04/2018 13:45	WG1093168

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg		Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U	UJ	J0	0.0109	0.0547	1	04/02/2018 00:58	WG1092317
Acrylonitrile	U			0.00196	0.0109	1	04/02/2018 00:58	WG1092317
Benzene	U			0.000296	0.00109	1	04/02/2018 00:58	WG1092317
Bromobenzene	U			0.000311	0.00109	1	04/02/2018 00:58	WG1092317
Bromodichloromethane	U			0.000278	0.00109	1	04/02/2018 00:58	WG1092317
Bromochloromethane	U			0.000427	0.00547	1	04/02/2018 00:58	WG1092317
Bromoform	U	UJ	J0	0.000464	0.00109	1	04/02/2018 00:58	WG1092317
Bromomethane	U			0.00147	0.00547	1	04/02/2018 00:58	WG1092317
n-Butylbenzene	U			0.000282	0.00109	1	04/02/2018 00:58	WG1092317
sec-Butylbenzene	U			0.000220	0.00109	1	04/02/2018 00:58	WG1092317
tert-Butylbenzene	U			0.000225	0.00109	1	04/02/2018 00:58	WG1092317
Carbon disulfide	U			0.000242	0.00109	1	04/02/2018 00:58	WG1092317
Carbon tetrachloride	U			0.000359	0.00109	1	04/02/2018 00:58	WG1092317
Chlorobenzene	U			0.000232	0.00109	1	04/02/2018 00:58	WG1092317
Chlorodibromomethane	U			0.000408	0.00109	1	04/02/2018 00:58	WG1092317
Chloroethane	U			0.00104	0.00547	1	04/02/2018 00:58	WG1092317
Chloroform	U			0.000251	0.00547	1	04/02/2018 00:58	WG1092317
Chloromethane	U			0.000410	0.00274	1	04/02/2018 00:58	WG1092317
2-Chlorotoluene	U			0.000329	0.00109	1	04/02/2018 00:58	WG1092317
4-Chlorotoluene	U			0.000263	0.00109	1	04/02/2018 00:58	WG1092317
1,2-Dibromo-3-Chloropropane	U			0.00115	0.00547	1	04/02/2018 00:58	WG1092317
1,2-Dibromoethane	U			0.000375	0.00109	1	04/02/2018 00:58	WG1092317
Dibromomethane	U			0.000418	0.00109	1	04/02/2018 00:58	WG1092317
1,2-Dichlorobenzene	U			0.000334	0.00109	1	04/02/2018 00:58	WG1092317
1,3-Dichlorobenzene	U			0.000262	0.00109	1	04/02/2018 00:58	WG1092317
1,4-Dichlorobenzene	U			0.000247	0.00109	1	04/02/2018 00:58	WG1092317
Dichlorodifluoromethane	U			0.000780	0.00547	1	04/02/2018 00:58	WG1092317
1,1-Dichloroethane	U			0.000218	0.00109	1	04/02/2018 00:58	WG1092317
1,2-Dichloroethane	U			0.000290	0.00109	1	04/02/2018 00:58	WG1092317
1,1-Dichloroethene	U			0.000332	0.00109	1	04/02/2018 00:58	WG1092317
cis-1,2-Dichloroethene	U			0.000257	0.00109	1	04/02/2018 00:58	WG1092317
trans-1,2-Dichloroethene	U			0.000289	0.00109	1	04/02/2018 00:58	WG1092317
1,2-Dichloropropane	U			0.000392	0.00109	1	04/02/2018 00:58	WG1092317
1,1-Dichloropropene	U			0.000347	0.00109	1	04/02/2018 00:58	WG1092317
1,3-Dichloropropane	U			0.000227	0.00109	1	04/02/2018 00:58	WG1092317
cis-1,3-Dichloropropene	U			0.000287	0.00109	1	04/02/2018 00:58	WG1092317
trans-1,3-Dichloropropene	U			0.000292	0.00109	1	04/02/2018 00:58	WG1092317
trans-1,4-Dichloro-2-butene	U	UJ	J0	0.000852	0.00274	1	04/02/2018 00:58	WG1092317
2,2-Dichloropropane	U			0.000305	0.00109	1	04/02/2018 00:58	WG1092317
Di-isopropyl ether	U	UJ	J0	0.000271	0.00109	1	04/02/2018 00:58	WG1092317
Ethylbenzene	U			0.000325	0.00109	1	04/02/2018 00:58	WG1092317
Hexachloro-1,3-butadiene	U			0.000374	0.00109	1	04/02/2018 00:58	WG1092317
2-Hexanone	U			0.00150	0.0109	1	04/02/2018 00:58	WG1092317
n-Hexane	U			0.000317	0.0109	1	04/02/2018 00:58	WG1092317
Iodomethane	U			0.00277	0.0109	1	04/02/2018 00:58	WG1092317
Isopropylbenzene	U			0.000266	0.00109	1	04/02/2018 00:58	WG1092317
p-Isopropyltoluene	U			0.000223	0.00109	1	04/02/2018 00:58	WG1092317
2-Butanone (MEK)	U	UJ	J0	0.00512	0.0109	1	04/02/2018 00:58	WG1092317
Methylene Chloride	U			0.00109	0.00547	1	04/02/2018 00:58	WG1092317
4-Methyl-2-pentanone (MIBK)	U			0.00206	0.0109	1	04/02/2018 00:58	WG1092317

JC 4/25/18

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg		Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U			0.000232	0.00109	1	04/02/2018 00:58	WG1092317
Naphthalene	U			0.00109	0.00547	1	04/02/2018 00:58	WG1092317
n-Propylbenzene	U			0.000225	0.00109	1	04/02/2018 00:58	WG1092317
Styrene	U			0.000256	0.00109	1	04/02/2018 00:58	WG1092317
1,1,1,2-Tetrachloroethane	U			0.000289	0.00109	1	04/02/2018 00:58	WG1092317
1,1,2,2-Tetrachloroethane	U			0.000399	0.00109	1	04/02/2018 00:58	WG1092317
1,1,2-Trichlorotrifluoroethane	U			0.000399	0.00109	1	04/02/2018 00:58	WG1092317
Tetrachloroethene	0.000561	J	J	0.000302	0.00109	1	04/02/2018 00:58	WG1092317
Toluene	U			0.000475	0.00547	1	04/02/2018 00:58	WG1092317
1,2,3-Trichlorobenzene	U		J4	0.000335	0.00109	1	04/02/2018 00:58	WG1092317
1,2,4-Trichlorobenzene	U		J4	0.000425	0.00109	1	04/02/2018 00:58	WG1092317
1,1,1-Trichloroethane	U			0.000313	0.00109	1	04/02/2018 00:58	WG1092317
1,1,2-Trichloroethane	U			0.000303	0.00109	1	04/02/2018 00:58	WG1092317
Trichloroethene	U			0.000305	0.00109	1	04/02/2018 00:58	WG1092317
Trichlorofluoromethane	U			0.000418	0.00547	1	04/02/2018 00:58	WG1092317
1,2,3-Trichloropropane	U			0.000811	0.00274	1	04/02/2018 00:58	WG1092317
1,2,4-Trimethylbenzene	U			0.000231	0.00109	1	04/02/2018 00:58	WG1092317
1,2,3-Trimethylbenzene	U			0.000314	0.00109	1	04/02/2018 00:58	WG1092317
1,3,5-Trimethylbenzene	U			0.000291	0.00109	1	04/02/2018 00:58	WG1092317
Vinyl acetate	U	UJ	J0	0.00262	0.0109	1	04/02/2018 00:58	WG1092317
Vinyl chloride	U			0.000318	0.00109	1	04/02/2018 00:58	WG1092317
Xylenes, Total	U			0.000764	0.00328	1	04/02/2018 00:58	WG1092317
(S) Toluene-d8	*105*				*80.0-120*		*04/02/2018 00:58*	WG1092317
(S) Dibromofluoromethane	*101*				*74.0-131*		*04/02/2018 00:58*	WG1092317
(S) 4-Bromofluorobenzene	*87.2*				*64.0-132*		*04/02/2018 00:58*	WG1092317

JC 4/25/18

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	93.2		1	04/04/2018 13:45	WG1093168

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U UJ	J0	0.0107	0.0536	1	04/02/2018 01:17	WG1092317
Acrylonitrile	U		0.00192	0.0107	1	04/02/2018 01:17	WG1092317
Benzene	U		0.000290	0.00107	1	04/02/2018 01:17	WG1092317
Bromobenzene	U		0.000305	0.00107	1	04/02/2018 01:17	WG1092317
Bromodichloromethane	U		0.000272	0.00107	1	04/02/2018 01:17	WG1092317
Bromochloromethane	U		0.000418	0.00536	1	04/02/2018 01:17	WG1092317
Bromoform	U UJ	J0	0.000455	0.00107	1	04/02/2018 01:17	WG1092317
Bromomethane	U		0.00144	0.00536	1	04/02/2018 01:17	WG1092317
n-Butylbenzene	U		0.000277	0.00107	1	04/02/2018 01:17	WG1092317
sec-Butylbenzene	U		0.000216	0.00107	1	04/02/2018 01:17	WG1092317
tert-Butylbenzene	U		0.000221	0.00107	1	04/02/2018 01:17	WG1092317
Carbon disulfide	U		0.000237	0.00107	1	04/02/2018 01:17	WG1092317
Carbon tetrachloride	U		0.000352	0.00107	1	04/02/2018 01:17	WG1092317
Chlorobenzene	U		0.000227	0.00107	1	04/02/2018 01:17	WG1092317
Chlorodibromomethane	U		0.000400	0.00107	1	04/02/2018 01:17	WG1092317
Chloroethane	U		0.00101	0.00536	1	04/02/2018 01:17	WG1092317
Chloroform	U		0.000246	0.00536	1	04/02/2018 01:17	WG1092317
Chloromethane	U		0.000402	0.00268	1	04/02/2018 01:17	WG1092317
2-Chlorotoluene	U		0.000323	0.00107	1	04/02/2018 01:17	WG1092317
4-Chlorotoluene	U		0.000257	0.00107	1	04/02/2018 01:17	WG1092317
1,2-Dibromo-3-Chloropropane	U		0.00113	0.00536	1	04/02/2018 01:17	WG1092317
1,2-Dibromoethane	U		0.000368	0.00107	1	04/02/2018 01:17	WG1092317
Dibromomethane	U		0.000410	0.00107	1	04/02/2018 01:17	WG1092317
1,2-Dichlorobenzene	U		0.000327	0.00107	1	04/02/2018 01:17	WG1092317
1,3-Dichlorobenzene	U		0.000256	0.00107	1	04/02/2018 01:17	WG1092317
1,4-Dichlorobenzene	U		0.000242	0.00107	1	04/02/2018 01:17	WG1092317
Dichlorodifluoromethane	U		0.000765	0.00536	1	04/02/2018 01:17	WG1092317
1,1-Dichloroethane	U		0.000213	0.00107	1	04/02/2018 01:17	WG1092317
1,2-Dichloroethane	U		0.000284	0.00107	1	04/02/2018 01:17	WG1092317
1,1-Dichloroethene	U		0.000325	0.00107	1	04/02/2018 01:17	WG1092317
cis-1,2-Dichloroethene	U		0.000252	0.00107	1	04/02/2018 01:17	WG1092317
trans-1,2-Dichloroethene	U		0.000283	0.00107	1	04/02/2018 01:17	WG1092317
1,2-Dichloropropane	U		0.000384	0.00107	1	04/02/2018 01:17	WG1092317
1,1-Dichloropropene	U		0.000340	0.00107	1	04/02/2018 01:17	WG1092317
1,3-Dichloropropane	U		0.000222	0.00107	1	04/02/2018 01:17	WG1092317
cis-1,3-Dichloropropene	U		0.000281	0.00107	1	04/02/2018 01:17	WG1092317
trans-1,3-Dichloropropene	U		0.000286	0.00107	1	04/02/2018 01:17	WG1092317
trans-1,4-Dichloro-2-butene	U UJ	J0	0.000835	0.00268	1	04/02/2018 01:17	WG1092317
2,2-Dichloropropane	U		0.000299	0.00107	1	04/02/2018 01:17	WG1092317
Di-isopropyl ether	U UJ	J0	0.000266	0.00107	1	04/02/2018 01:17	WG1092317
Ethylbenzene	U		0.000319	0.00107	1	04/02/2018 01:17	WG1092317
Hexachloro-1,3-butadiene	U		0.000367	0.00107	1	04/02/2018 01:17	WG1092317
2-Hexanone	U		0.00147	0.0107	1	04/02/2018 01:17	WG1092317
n-Hexane	U		0.000311	0.0107	1	04/02/2018 01:17	WG1092317
Iodomethane	U		0.00271	0.0107	1	04/02/2018 01:17	WG1092317
Isopropylbenzene	U		0.000261	0.00107	1	04/02/2018 01:17	WG1092317
p-Isopropyltoluene	U		0.000219	0.00107	1	04/02/2018 01:17	WG1092317
2-Butanone (MEK)	U UJ	J0	0.00502	0.0107	1	04/02/2018 01:17	WG1092317
Methylene Chloride	U		0.00107	0.00536	1	04/02/2018 01:17	WG1092317
4-Methyl-2-pentanone (MIBK)	U		0.00202	0.0107	1	04/02/2018 01:17	WG1092317

JC 4/25/18

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000227	0.00107	1	04/02/2018 01:17	WG1092317
Naphthalene	U		0.00107	0.00536	1	04/02/2018 01:17	WG1092317
n-Propylbenzene	U		0.000221	0.00107	1	04/02/2018 01:17	WG1092317
Styrene	U		0.000251	0.00107	1	04/02/2018 01:17	WG1092317
1,1,1,2-Tetrachloroethane	U		0.000283	0.00107	1	04/02/2018 01:17	WG1092317
1,1,2,2-Tetrachloroethane	U		0.000392	0.00107	1	04/02/2018 01:17	WG1092317
1,1,2-Trichlorotrifluoroethane	U		0.000392	0.00107	1	04/02/2018 01:17	WG1092317
Tetrachloroethene	U		0.000296	0.00107	1	04/02/2018 01:17	WG1092317
Toluene	U		0.000466	0.00536	1	04/02/2018 01:17	WG1092317
1,2,3-Trichlorobenzene	U	J4	0.000328	0.00107	1	04/02/2018 01:17	WG1092317
1,2,4-Trichlorobenzene	U	J4	0.000416	0.00107	1	04/02/2018 01:17	WG1092317
1,1,1-Trichloroethane	U		0.000307	0.00107	1	04/02/2018 01:17	WG1092317
1,1,2-Trichloroethane	U		0.000297	0.00107	1	04/02/2018 01:17	WG1092317
Trichloroethene	U		0.000299	0.00107	1	04/02/2018 01:17	WG1092317
Trichlorofluoromethane	U		0.000410	0.00536	1	04/02/2018 01:17	WG1092317
1,2,3-Trichloropropane	U		0.000795	0.00268	1	04/02/2018 01:17	WG1092317
1,2,4-Trimethylbenzene	U		0.000226	0.00107	1	04/02/2018 01:17	WG1092317
1,2,3-Trimethylbenzene	U		0.000308	0.00107	1	04/02/2018 01:17	WG1092317
1,3,5-Trimethylbenzene	U		0.000285	0.00107	1	04/02/2018 01:17	WG1092317
Vinyl acetate	U UJ	J0	0.00256	0.0107	1	04/02/2018 01:17	WG1092317
Vinyl chloride	U		0.000312	0.00107	1	04/02/2018 01:17	WG1092317
Xylenes, Total	U		0.000749	0.00322	1	04/02/2018 01:17	WG1092317
(S) Toluene-d8	*106*			*80.0-120*		*04/02/2018 01:17*	WG1092317
(S) Dibromofluoromethane	*101*			*74.0-131*		*04/02/2018 01:17*	WG1092317
(S) 4-Bromofluorobenzene	*90.4*			*64.0-132*		*04/02/2018 01:17*	WG1092317

JC 4/25/18

MW-153-40

Collected date/time: 03/27/18 12:05

SAMPLE RESULTS - 39

L981889

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	88.3		1	04/04/2018 13:45	WG1093168

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U UJ	J0	0.0113	0.0566	1	04/02/2018 01:37	WG1092317
Acrylonitrile	U		0.00203	0.0113	1	04/02/2018 01:37	WG1092317
Benzene	U		0.000306	0.00113	1	04/02/2018 01:37	WG1092317
Bromobenzene	U		0.000322	0.00113	1	04/02/2018 01:37	WG1092317
Bromodichloromethane	U		0.000288	0.00113	1	04/02/2018 01:37	WG1092317
Bromochloromethane	U		0.000442	0.00566	1	04/02/2018 01:37	WG1092317
Bromoform	U UJ	J0	0.000480	0.00113	1	04/02/2018 01:37	WG1092317
Bromomethane	U		0.00152	0.00566	1	04/02/2018 01:37	WG1092317
n-Butylbenzene	U		0.000292	0.00113	1	04/02/2018 01:37	WG1092317
sec-Butylbenzene	U		0.000228	0.00113	1	04/02/2018 01:37	WG1092317
tert-Butylbenzene	U		0.000233	0.00113	1	04/02/2018 01:37	WG1092317
Carbon disulfide	0.000332 J	J	0.000250	0.00113	1	04/02/2018 01:37	WG1092317
Carbon tetrachloride	U		0.000372	0.00113	1	04/02/2018 01:37	WG1092317
Chlorobenzene	U		0.000240	0.00113	1	04/02/2018 01:37	WG1092317
Chlorodibromomethane	U		0.000423	0.00113	1	04/02/2018 01:37	WG1092317
Chloroethane	U		0.00107	0.00566	1	04/02/2018 01:37	WG1092317
Chloroform	U		0.000259	0.00566	1	04/02/2018 01:37	WG1092317
Chloromethane	U		0.000425	0.00283	1	04/02/2018 01:37	WG1092317
2-Chlorotoluene	U		0.000341	0.00113	1	04/02/2018 01:37	WG1092317
4-Chlorotoluene	U		0.000272	0.00113	1	04/02/2018 01:37	WG1092317
1,2-Dibromo-3-Chloropropane	U		0.00119	0.00566	1	04/02/2018 01:37	WG1092317
1,2-Dibromoethane	U		0.000389	0.00113	1	04/02/2018 01:37	WG1092317
Dibromomethane	U		0.000433	0.00113	1	04/02/2018 01:37	WG1092317
1,2-Dichlorobenzene	U		0.000346	0.00113	1	04/02/2018 01:37	WG1092317
1,3-Dichlorobenzene	U		0.000271	0.00113	1	04/02/2018 01:37	WG1092317
1,4-Dichlorobenzene	U		0.000256	0.00113	1	04/02/2018 01:37	WG1092317
Dichlorodifluoromethane	U		0.000808	0.00566	1	04/02/2018 01:37	WG1092317
1,1-Dichloroethane	U		0.000225	0.00113	1	04/02/2018 01:37	WG1092317
1,2-Dichloroethane	U		0.000300	0.00113	1	04/02/2018 01:37	WG1092317
1,1-Dichloroethene	U		0.000343	0.00113	1	04/02/2018 01:37	WG1092317
cis-1,2-Dichloroethene	0.00421		0.000266	0.00113	1	04/02/2018 01:37	WG1092317
trans-1,2-Dichloroethene	U		0.000299	0.00113	1	04/02/2018 01:37	WG1092317
1,2-Dichloropropane	U		0.000406	0.00113	1	04/02/2018 01:37	WG1092317
1,1-Dichloropropene	U		0.000359	0.00113	1	04/02/2018 01:37	WG1092317
1,3-Dichloropropane	U		0.000235	0.00113	1	04/02/2018 01:37	WG1092317
cis-1,3-Dichloropropene	U		0.000297	0.00113	1	04/02/2018 01:37	WG1092317
trans-1,3-Dichloropropene	U		0.000302	0.00113	1	04/02/2018 01:37	WG1092317
trans-1,4-Dichloro-2-butene	U UJ	J0	0.000881	0.00283	1	04/02/2018 01:37	WG1092317
2,2-Dichloropropane	U		0.000316	0.00113	1	04/02/2018 01:37	WG1092317
Di-isopropyl ether	U UJ	J0	0.000281	0.00113	1	04/02/2018 01:37	WG1092317
Ethylbenzene	U		0.000336	0.00113	1	04/02/2018 01:37	WG1092317
Hexachloro-1,3-butadiene	U		0.000387	0.00113	1	04/02/2018 01:37	WG1092317
2-Hexanone	U		0.00155	0.0113	1	04/02/2018 01:37	WG1092317
n-Hexane	U		0.000329	0.0113	1	04/02/2018 01:37	WG1092317
Iodomethane	U		0.00287	0.0113	1	04/02/2018 01:37	WG1092317
Isopropylbenzene	U		0.000275	0.00113	1	04/02/2018 01:37	WG1092317
p-Isopropyltoluene	U		0.000231	0.00113	1	04/02/2018 01:37	WG1092317
2-Butanone (MEK)	U UJ	J0	0.00530	0.0113	1	04/02/2018 01:37	WG1092317
Methylene Chloride	U		0.00113	0.00566	1	04/02/2018 01:37	WG1092317
4-Methyl-2-pentanone (MIBK)	U		0.00213	0.0113	1	04/02/2018 01:37	WG1092317

JC 4/25/18

MW-153-40

Collected date/time: 03/27/18 12:05

SAMPLE RESULTS - 39

L981889

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000240	0.00113	1	04/02/2018 01:37	WG1092317
Naphthalene	U		0.00113	0.00566	1	04/02/2018 01:37	WG1092317
n-Propylbenzene	U		0.000233	0.00113	1	04/02/2018 01:37	WG1092317
Styrene	U		0.000265	0.00113	1	04/02/2018 01:37	WG1092317
1,1,1,2-Tetrachloroethane	U		0.000299	0.00113	1	04/02/2018 01:37	WG1092317
1,1,2,2-Tetrachloroethane	U		0.000414	0.00113	1	04/02/2018 01:37	WG1092317
1,1,2-Trichlorotrifluoroethane	U		0.000414	0.00113	1	04/02/2018 01:37	WG1092317
Tetrachloroethene	U		0.000313	0.00113	1	04/02/2018 01:37	WG1092317
Toluene	U		0.000492	0.00566	1	04/02/2018 01:37	WG1092317
1,2,3-Trichlorobenzene	U	J4	0.000347	0.00113	1	04/02/2018 01:37	WG1092317
1,2,4-Trichlorobenzene	U	J4	0.000440	0.00113	1	04/02/2018 01:37	WG1092317
1,1,1-Trichloroethane	U		0.000324	0.00113	1	04/02/2018 01:37	WG1092317
1,1,2-Trichloroethane	U		0.000314	0.00113	1	04/02/2018 01:37	WG1092317
Trichloroethene	0.000486 J	J	0.000316	0.00113	1	04/02/2018 01:37	WG1092317
Trichlorofluoromethane	U		0.000433	0.00566	1	04/02/2018 01:37	WG1092317
1,2,3-Trichloropropane	U		0.000839	0.00283	1	04/02/2018 01:37	WG1092317
1,2,4-Trimethylbenzene	U		0.000239	0.00113	1	04/02/2018 01:37	WG1092317
1,2,3-Trimethylbenzene	U		0.000325	0.00113	1	04/02/2018 01:37	WG1092317
1,3,5-Trimethylbenzene	U		0.000301	0.00113	1	04/02/2018 01:37	WG1092317
Vinyl acetate	U UJ	J0	0.00271	0.0113	1	04/02/2018 01:37	WG1092317
Vinyl chloride	U		0.000330	0.00113	1	04/02/2018 01:37	WG1092317
Xylenes, Total	U		0.000791	0.00340	1	04/02/2018 01:37	WG1092317
(S) Toluene-d8	*104*			*80.0-120*		*04/02/2018 01:37*	WG1092317
(S) Dibromofluoromethane	*101*			*74.0-131*		*04/02/2018 01:37*	WG1092317
(S) 4-Bromofluorobenzene	*89.1*			*64.0-132*		*04/02/2018 01:37*	WG1092317

JC 4/25/18

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	90.2		1	04/04/2018 13:30	WG1093170

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U UJ	J0	0.0111	0.0555	1	04/02/2018 01:57	WG1092317
Acrylonitrile	U		0.00199	0.0111	1	04/02/2018 01:57	WG1092317
Benzene	U		0.000299	0.00111	1	04/02/2018 01:57	WG1092317
Bromobenzene	U		0.000315	0.00111	1	04/02/2018 01:57	WG1092317
Bromodichloromethane	U		0.000282	0.00111	1	04/02/2018 01:57	WG1092317
Bromochloromethane	U		0.000433	0.00555	1	04/02/2018 01:57	WG1092317
Bromoform	U UJ	J0	0.000470	0.00111	1	04/02/2018 01:57	WG1092317
Bromomethane	U		0.00149	0.00555	1	04/02/2018 01:57	WG1092317
n-Butylbenzene	U		0.000286	0.00111	1	04/02/2018 01:57	WG1092317
sec-Butylbenzene	U		0.000223	0.00111	1	04/02/2018 01:57	WG1092317
tert-Butylbenzene	U		0.000228	0.00111	1	04/02/2018 01:57	WG1092317
Carbon disulfide	U		0.000245	0.00111	1	04/02/2018 01:57	WG1092317
Carbon tetrachloride	U		0.000364	0.00111	1	04/02/2018 01:57	WG1092317
Chlorobenzene	U		0.000235	0.00111	1	04/02/2018 01:57	WG1092317
Chlorodibromomethane	U		0.000414	0.00111	1	04/02/2018 01:57	WG1092317
Chloroethane	U		0.00105	0.00555	1	04/02/2018 01:57	WG1092317
Chloroform	U		0.000254	0.00555	1	04/02/2018 01:57	WG1092317
Chloromethane	U		0.000416	0.00277	1	04/02/2018 01:57	WG1092317
2-Chlorotoluene	U		0.000334	0.00111	1	04/02/2018 01:57	WG1092317
4-Chlorotoluene	U		0.000266	0.00111	1	04/02/2018 01:57	WG1092317
1,2-Dibromo-3-Chloropropane	U		0.00116	0.00555	1	04/02/2018 01:57	WG1092317
1,2-Dibromoethane	U		0.000380	0.00111	1	04/02/2018 01:57	WG1092317
Dibromomethane	U		0.000424	0.00111	1	04/02/2018 01:57	WG1092317
1,2-Dichlorobenzene	U		0.000338	0.00111	1	04/02/2018 01:57	WG1092317
1,3-Dichlorobenzene	U		0.000265	0.00111	1	04/02/2018 01:57	WG1092317
1,4-Dichlorobenzene	U		0.000251	0.00111	1	04/02/2018 01:57	WG1092317
Dichlorodifluoromethane	U		0.000791	0.00555	1	04/02/2018 01:57	WG1092317
1,1-Dichloroethane	U		0.000221	0.00111	1	04/02/2018 01:57	WG1092317
1,2-Dichloroethane	U		0.000294	0.00111	1	04/02/2018 01:57	WG1092317
1,1-Dichloroethene	U		0.000336	0.00111	1	04/02/2018 01:57	WG1092317
cis-1,2-Dichloroethene	U		0.000261	0.00111	1	04/02/2018 01:57	WG1092317
trans-1,2-Dichloroethene	U		0.000293	0.00111	1	04/02/2018 01:57	WG1092317
1,2-Dichloropropane	U		0.000397	0.00111	1	04/02/2018 01:57	WG1092317
1,1-Dichloropropene	U		0.000352	0.00111	1	04/02/2018 01:57	WG1092317
1,3-Dichloropropane	U		0.000230	0.00111	1	04/02/2018 01:57	WG1092317
cis-1,3-Dichloropropene	U		0.000291	0.00111	1	04/02/2018 01:57	WG1092317
trans-1,3-Dichloropropene	U		0.000296	0.00111	1	04/02/2018 01:57	WG1092317
trans-1,4-Dichloro-2-butene	U UJ	J0	0.000863	0.00277	1	04/02/2018 01:57	WG1092317
2,2-Dichloropropane	U		0.000309	0.00111	1	04/02/2018 01:57	WG1092317
Di-isopropyl ether	U UJ	J0	0.000275	0.00111	1	04/02/2018 01:57	WG1092317
Ethylbenzene	U		0.000329	0.00111	1	04/02/2018 01:57	WG1092317
Hexachloro-1,3-butadiene	U		0.000379	0.00111	1	04/02/2018 01:57	WG1092317
2-Hexanone	U		0.00152	0.0111	1	04/02/2018 01:57	WG1092317
n-Hexane	U		0.000322	0.0111	1	04/02/2018 01:57	WG1092317
Iodomethane	U		0.00281	0.0111	1	04/02/2018 01:57	WG1092317
Isopropylbenzene	U		0.000270	0.00111	1	04/02/2018 01:57	WG1092317
p-Isopropyltoluene	U		0.000226	0.00111	1	04/02/2018 01:57	WG1092317
2-Butanone (MEK)	U UJ	J0	0.00519	0.0111	1	04/02/2018 01:57	WG1092317
Methylene Chloride	U		0.00111	0.00555	1	04/02/2018 01:57	WG1092317
4-Methyl-2-pentanone (MIBK)	U		0.00209	0.0111	1	04/02/2018 01:57	WG1092317

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000235	0.00111	1	04/02/2018 01:57	WG1092317
Naphthalene	U		0.00111	0.00555	1	04/02/2018 01:57	WG1092317
n-Propylbenzene	U		0.000228	0.00111	1	04/02/2018 01:57	WG1092317
Styrene	U		0.000260	0.00111	1	04/02/2018 01:57	WG1092317
1,1,1,2-Tetrachloroethane	U		0.000293	0.00111	1	04/02/2018 01:57	WG1092317
1,1,2,2-Tetrachloroethane	U		0.000405	0.00111	1	04/02/2018 01:57	WG1092317
1,1,2-Trichlorotrifluoroethane	U		0.000405	0.00111	1	04/02/2018 01:57	WG1092317
Tetrachloroethene	U		0.000306	0.00111	1	04/02/2018 01:57	WG1092317
Toluene	U		0.000481	0.00555	1	04/02/2018 01:57	WG1092317
1,2,3-Trichlorobenzene	U	J4	0.000339	0.00111	1	04/02/2018 01:57	WG1092317
1,2,4-Trichlorobenzene	U	J4	0.000430	0.00111	1	04/02/2018 01:57	WG1092317
1,1,1-Trichloroethane	U		0.000317	0.00111	1	04/02/2018 01:57	WG1092317
1,1,2-Trichloroethane	U		0.000307	0.00111	1	04/02/2018 01:57	WG1092317
Trichloroethene	U		0.000309	0.00111	1	04/02/2018 01:57	WG1092317
Trichlorofluoromethane	U		0.000424	0.00555	1	04/02/2018 01:57	WG1092317
1,2,3-Trichloropropane	U		0.000822	0.00277	1	04/02/2018 01:57	WG1092317
1,2,4-Trimethylbenzene	U		0.000234	0.00111	1	04/02/2018 01:57	WG1092317
1,2,3-Trimethylbenzene	U		0.000318	0.00111	1	04/02/2018 01:57	WG1092317
1,3,5-Trimethylbenzene	U		0.000295	0.00111	1	04/02/2018 01:57	WG1092317
Vinyl acetate	U UJ	J0	0.00265	0.0111	1	04/02/2018 01:57	WG1092317
Vinyl chloride	0.00767		0.000323	0.00111	1	04/02/2018 01:57	WG1092317
Xylenes, Total	U		0.000774	0.00333	1	04/02/2018 01:57	WG1092317
(S) Toluene-d8	*104*			*80.0-120*		*04/02/2018 01:57*	WG1092317
(S) Dibromofluoromethane	*101*			*74.0-131*		*04/02/2018 01:57*	WG1092317
(S) 4-Bromofluorobenzene	*92.8*			*64.0-132*		*04/02/2018 01:57*	WG1092317

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1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	88.0		1	04/04/2018 13:30	WG1093170

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch	
Acetone	U UJ	J0	0.0114	0.0568	1	04/02/2018 02:16	WG1092317	
Acrylonitrile	U		0.00203	0.0114	1	04/02/2018 02:16	WG1092317	
Benzene	U		0.000307	0.00114	1	04/02/2018 02:16	WG1092317	
Bromobenzene	U		0.000323	0.00114	1	04/02/2018 02:16	WG1092317	
Bromodichloromethane	U		0.000289	0.00114	1	04/02/2018 02:16	WG1092317	
Bromochloromethane	U		0.000443	0.00568	1	04/02/2018 02:16	WG1092317	
Bromoform	U UJ	J0	0.000482	0.00114	1	04/02/2018 02:16	WG1092317	
Bromomethane	U		0.00152	0.00568	1	04/02/2018 02:16	WG1092317	
n-Butylbenzene	U		0.000293	0.00114	1	04/02/2018 02:16	WG1092317	
sec-Butylbenzene	U		0.000228	0.00114	1	04/02/2018 02:16	WG1092317	
tert-Butylbenzene	U		0.000234	0.00114	1	04/02/2018 02:16	WG1092317	
Carbon disulfide	U		0.000251	0.00114	1	04/02/2018 02:16	WG1092317	
Carbon tetrachloride	U		0.000373	0.00114	1	04/02/2018 02:16	WG1092317	
Chlorobenzene	U		0.000241	0.00114	1	04/02/2018 02:16	WG1092317	
Chlorodibromomethane	U		0.000424	0.00114	1	04/02/2018 02:16	WG1092317	
Chloroethane	U		0.00108	0.00568	1	04/02/2018 02:16	WG1092317	
Chloroform	U		0.000260	0.00568	1	04/02/2018 02:16	WG1092317	
Chloromethane	U		0.000426	0.00284	1	04/02/2018 02:16	WG1092317	
2-Chlorotoluene	U		0.000342	0.00114	1	04/02/2018 02:16	WG1092317	
4-Chlorotoluene	U		0.000273	0.00114	1	04/02/2018 02:16	WG1092317	
1,2-Dibromo-3-Chloropropane	U		0.00119	0.00568	1	04/02/2018 02:16	WG1092317	
1,2-Dibromoethane	U		0.000390	0.00114	1	04/02/2018 02:16	WG1092317	
Dibromomethane	U		0.000434	0.00114	1	04/02/2018 02:16	WG1092317	
1,2-Dichlorobenzene	U		0.000347	0.00114	1	04/02/2018 02:16	WG1092317	
1,3-Dichlorobenzene	U		0.000272	0.00114	1	04/02/2018 02:16	WG1092317	
1,4-Dichlorobenzene	U		0.000257	0.00114	1	04/02/2018 02:16	WG1092317	
Dichlorodifluoromethane	U		0.000810	0.00568	1	04/02/2018 02:16	WG1092317	
1,1-Dichloroethane	U		0.000226	0.00114	1	04/02/2018 02:16	WG1092317	
1,2-Dichloroethane	U		0.000301	0.00114	1	04/02/2018 02:16	WG1092317	
1,1-Dichloroethene	U		0.000344	0.00114	1	04/02/2018 02:16	WG1092317	
cis-1,2-Dichloroethene	U		0.000267	0.00114	1	04/02/2018 02:16	WG1092317	
trans-1,2-Dichloroethene	U		0.000300	0.00114	1	04/02/2018 02:16	WG1092317	
1,2-Dichloropropane	U		0.000407	0.00114	1	04/02/2018 02:16	WG1092317	
1,1-Dichloropropene	U		0.000360	0.00114	1	04/02/2018 02:16	WG1092317	
1,3-Dichloropropane	U		0.000235	0.00114	1	04/02/2018 02:16	WG1092317	
cis-1,3-Dichloropropene	U		0.000298	0.00114	1	04/02/2018 02:16	WG1092317	
trans-1,3-Dichloropropene	U		0.000303	0.00114	1	04/02/2018 02:16	WG1092317	
trans-1,4-Dichloro-2-butene	U UJ	J0	0.000884	0.00284	1	04/02/2018 02:16	WG1092317	
2,2-Dichloropropane	U		0.000317	0.00114	1	04/02/2018 02:16	WG1092317	
Di-isopropyl ether	U UJ	J0	0.000282	0.00114	1	04/02/2018 02:16	WG1092317	
Ethylbenzene	U		0.000338	0.00114	1	04/02/2018 02:16	WG1092317	
Hexachloro-1,3-butadiene	U		0.000389	0.00114	1	04/02/2018 02:16	WG1092317	
2-Hexanone	U		0.00156	0.0114	1	04/02/2018 02:16	WG1092317	
n-Hexane	U		0.000330	0.0114	1	04/02/2018 02:16	WG1092317	JC 4/25/18
Iodomethane	U		0.00288	0.0114	1	04/02/2018 02:16	WG1092317	
Isopropylbenzene	U		0.000276	0.00114	1	04/02/2018 02:16	WG1092317	
p-Isopropyltoluene	U		0.000232	0.00114	1	04/02/2018 02:16	WG1092317	
2-Butanone (MEK)	U UJ	J0	0.00532	0.0114	1	04/02/2018 02:16	WG1092317	
Methylene Chloride	U		0.00114	0.00568	1	04/02/2018 02:16	WG1092317	
4-Methyl-2-pentanone (MIBK)	U		0.00214	0.0114	1	04/02/2018 02:16	WG1092317	

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg		Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U			0.000241	0.00114	1	04/02/2018 02:16	WG1092317
Naphthalene	U			0.00114	0.00568	1	04/02/2018 02:16	WG1092317
n-Propylbenzene	U			0.000234	0.00114	1	04/02/2018 02:16	WG1092317
Styrene	U			0.000266	0.00114	1	04/02/2018 02:16	WG1092317
1,1,1,2-Tetrachloroethane	U			0.000300	0.00114	1	04/02/2018 02:16	WG1092317
1,1,2,2-Tetrachloroethane	U			0.000415	0.00114	1	04/02/2018 02:16	WG1092317
1,1,2-Trichlorotrifluoroethane	U			0.000415	0.00114	1	04/02/2018 02:16	WG1092317
Tetrachloroethene	U			0.000314	0.00114	1	04/02/2018 02:16	WG1092317
Toluene	U			0.000493	0.00568	1	04/02/2018 02:16	WG1092317
1,2,3-Trichlorobenzene	U		J4	0.000348	0.00114	1	04/02/2018 02:16	WG1092317
1,2,4-Trichlorobenzene	U		J4	0.000441	0.00114	1	04/02/2018 02:16	WG1092317
1,1,1-Trichloroethane	U			0.000325	0.00114	1	04/02/2018 02:16	WG1092317
1,1,2-Trichloroethane	U			0.000315	0.00114	1	04/02/2018 02:16	WG1092317
Trichloroethene	U			0.000317	0.00114	1	04/02/2018 02:16	WG1092317
Trichlorofluoromethane	U			0.000434	0.00568	1	04/02/2018 02:16	WG1092317
1,2,3-Trichloropropane	U			0.000842	0.00284	1	04/02/2018 02:16	WG1092317
1,2,4-Trimethylbenzene	U			0.000240	0.00114	1	04/02/2018 02:16	WG1092317
1,2,3-Trimethylbenzene	U			0.000326	0.00114	1	04/02/2018 02:16	WG1092317
1,3,5-Trimethylbenzene	U			0.000302	0.00114	1	04/02/2018 02:16	WG1092317
Vinyl acetate	U	UJ	J0	0.00272	0.0114	1	04/02/2018 02:16	WG1092317
Vinyl chloride	0.000344	J	J	0.000331	0.00114	1	04/02/2018 02:16	WG1092317
Xylenes, Total	U			0.000793	0.00341	1	04/02/2018 02:16	WG1092317
(S) Toluene-d8	*106*				*80.0-120*		*04/02/2018 02:16*	WG1092317
(S) Dibromofluoromethane	*99.8*				*74.0-131*		*04/02/2018 02:16*	WG1092317
(S) 4-Bromofluorobenzene	*90.4*				*64.0-132*		*04/02/2018 02:16*	WG1092317

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Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	89.8		1	04/04/2018 13:30	WG1093170

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U UJ	J0	0.0111	0.0557	1	04/02/2018 02:36	WG1092317
Acrylonitrile	U		0.00199	0.0111	1	04/02/2018 02:36	WG1092317
Benzene	U		0.000301	0.00111	1	04/02/2018 02:36	WG1092317
Bromobenzene	U		0.000316	0.00111	1	04/02/2018 02:36	WG1092317
Bromodichloromethane	U		0.000283	0.00111	1	04/02/2018 02:36	WG1092317
Bromochloromethane	U		0.000434	0.00557	1	04/02/2018 02:36	WG1092317
Bromoform	U UJ	J0	0.000472	0.00111	1	04/02/2018 02:36	WG1092317
Bromomethane	U		0.00149	0.00557	1	04/02/2018 02:36	WG1092317
n-Butylbenzene	U		0.000287	0.00111	1	04/02/2018 02:36	WG1092317
sec-Butylbenzene	U		0.000224	0.00111	1	04/02/2018 02:36	WG1092317
tert-Butylbenzene	U		0.000229	0.00111	1	04/02/2018 02:36	WG1092317
Carbon disulfide	U		0.000246	0.00111	1	04/02/2018 02:36	WG1092317
Carbon tetrachloride	U		0.000365	0.00111	1	04/02/2018 02:36	WG1092317
Chlorobenzene	U		0.000236	0.00111	1	04/02/2018 02:36	WG1092317
Chlorodibromomethane	U		0.000415	0.00111	1	04/02/2018 02:36	WG1092317
Chloroethane	U		0.00105	0.00557	1	04/02/2018 02:36	WG1092317
Chloroform	U		0.000255	0.00557	1	04/02/2018 02:36	WG1092317
Chloromethane	U		0.000418	0.00278	1	04/02/2018 02:36	WG1092317
2-Chlorotoluene	U		0.000335	0.00111	1	04/02/2018 02:36	WG1092317
4-Chlorotoluene	U		0.000267	0.00111	1	04/02/2018 02:36	WG1092317
1,2-Dibromo-3-Chloropropane	U		0.00117	0.00557	1	04/02/2018 02:36	WG1092317
1,2-Dibromoethane	U		0.000382	0.00111	1	04/02/2018 02:36	WG1092317
Dibromomethane	U		0.000425	0.00111	1	04/02/2018 02:36	WG1092317
1,2-Dichlorobenzene	U		0.000340	0.00111	1	04/02/2018 02:36	WG1092317
1,3-Dichlorobenzene	U		0.000266	0.00111	1	04/02/2018 02:36	WG1092317
1,4-Dichlorobenzene	U		0.000252	0.00111	1	04/02/2018 02:36	WG1092317
Dichlorodifluoromethane	U		0.000794	0.00557	1	04/02/2018 02:36	WG1092317
1,1-Dichloroethane	U		0.000222	0.00111	1	04/02/2018 02:36	WG1092317
1,2-Dichloroethane	U		0.000295	0.00111	1	04/02/2018 02:36	WG1092317
1,1-Dichloroethene	U		0.000337	0.00111	1	04/02/2018 02:36	WG1092317
cis-1,2-Dichloroethene	U		0.000262	0.00111	1	04/02/2018 02:36	WG1092317
trans-1,2-Dichloroethene	U		0.000294	0.00111	1	04/02/2018 02:36	WG1092317
1,2-Dichloropropane	U		0.000399	0.00111	1	04/02/2018 02:36	WG1092317
1,1-Dichloropropene	U		0.000353	0.00111	1	04/02/2018 02:36	WG1092317
1,3-Dichloropropane	U		0.000230	0.00111	1	04/02/2018 02:36	WG1092317
cis-1,3-Dichloropropene	U		0.000292	0.00111	1	04/02/2018 02:36	WG1092317
trans-1,3-Dichloropropene	U		0.000297	0.00111	1	04/02/2018 02:36	WG1092317 JC 4/25/18
trans-1,4-Dichloro-2-butene	U UJ	J0	0.000866	0.00278	1	04/02/2018 02:36	WG1092317
2,2-Dichloropropane	U		0.000311	0.00111	1	04/02/2018 02:36	WG1092317
Di-isopropyl ether	U UJ	J0	0.000276	0.00111	1	04/02/2018 02:36	WG1092317
Ethylbenzene	U		0.000331	0.00111	1	04/02/2018 02:36	WG1092317
Hexachloro-1,3-butadiene	U		0.000381	0.00111	1	04/02/2018 02:36	WG1092317
2-Hexanone	U		0.00153	0.0111	1	04/02/2018 02:36	WG1092317
n-Hexane	U		0.000323	0.0111	1	04/02/2018 02:36	WG1092317
Iodomethane	U		0.00282	0.0111	1	04/02/2018 02:36	WG1092317
Isopropylbenzene	U		0.000271	0.00111	1	04/02/2018 02:36	WG1092317
p-Isopropyltoluene	U		0.000227	0.00111	1	04/02/2018 02:36	WG1092317
2-Butanone (MEK)	U UJ	J0	0.00521	0.0111	1	04/02/2018 02:36	WG1092317
Methylene Chloride	U		0.00111	0.00557	1	04/02/2018 02:36	WG1092317
4-Methyl-2-pentanone (MIBK)	U		0.00209	0.0111	1	04/02/2018 02:36	WG1092317

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000236	0.00111	1	04/02/2018 02:36	WG1092317
Naphthalene	U		0.00111	0.00557	1	04/02/2018 02:36	WG1092317
n-Propylbenzene	U		0.000229	0.00111	1	04/02/2018 02:36	WG1092317
Styrene	U		0.000261	0.00111	1	04/02/2018 02:36	WG1092317
1,1,1,2-Tetrachloroethane	U		0.000294	0.00111	1	04/02/2018 02:36	WG1092317
1,1,2,2-Tetrachloroethane	U		0.000406	0.00111	1	04/02/2018 02:36	WG1092317
1,1,2-Trichlorotrifluoroethane	U		0.000406	0.00111	1	04/02/2018 02:36	WG1092317
Tetrachloroethene	U		0.000307	0.00111	1	04/02/2018 02:36	WG1092317
Toluene	U		0.000483	0.00557	1	04/02/2018 02:36	WG1092317
1,2,3-Trichlorobenzene	U	J4	0.000341	0.00111	1	04/02/2018 02:36	WG1092317
1,2,4-Trichlorobenzene	U	J4	0.000432	0.00111	1	04/02/2018 02:36	WG1092317
1,1,1-Trichloroethane	U		0.000318	0.00111	1	04/02/2018 02:36	WG1092317
1,1,2-Trichloroethane	U		0.000308	0.00111	1	04/02/2018 02:36	WG1092317
Trichloroethene	U		0.000311	0.00111	1	04/02/2018 02:36	WG1092317
Trichlorofluoromethane	U		0.000425	0.00557	1	04/02/2018 02:36	WG1092317
1,2,3-Trichloropropane	U		0.000825	0.00278	1	04/02/2018 02:36	WG1092317
1,2,4-Trimethylbenzene	U		0.000235	0.00111	1	04/02/2018 02:36	WG1092317
1,2,3-Trimethylbenzene	U		0.000320	0.00111	1	04/02/2018 02:36	WG1092317
1,3,5-Trimethylbenzene	U		0.000296	0.00111	1	04/02/2018 02:36	WG1092317
Vinyl acetate	U UJ	J0	0.00266	0.0111	1	04/02/2018 02:36	WG1092317
Vinyl chloride	0.000902 J	J	0.000324	0.00111	1	04/02/2018 02:36	WG1092317
Xylenes, Total	U		0.000777	0.00334	1	04/02/2018 02:36	WG1092317
(S) Toluene-d8	*104*			*80.0-120*		*04/02/2018 02:36*	WG1092317
(S) Dibromofluoromethane	*102*			*74.0-131*		*04/02/2018 02:36*	WG1092317
(S) 4-Bromofluorobenzene	*91.7*			*64.0-132*		*04/02/2018 02:36*	WG1092317

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Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	90.6		1	04/04/2018 13:30	WG1093170

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U	UJ J0	0.0110	0.0552	1	04/02/2018 02:55	WG1092317
Acrylonitrile	U		0.00197	0.0110	1	04/02/2018 02:55	WG1092317
Benzene	U		0.000298	0.00110	1	04/02/2018 02:55	WG1092317
Bromobenzene	U		0.000313	0.00110	1	04/02/2018 02:55	WG1092317
Bromodichloromethane	U		0.000280	0.00110	1	04/02/2018 02:55	WG1092317
Bromochloromethane	U		0.000430	0.00552	1	04/02/2018 02:55	WG1092317
Bromoform	U	UJ J0	0.000468	0.00110	1	04/02/2018 02:55	WG1092317
Bromomethane	U		0.00148	0.00552	1	04/02/2018 02:55	WG1092317
n-Butylbenzene	U		0.000285	0.00110	1	04/02/2018 02:55	WG1092317
sec-Butylbenzene	U		0.000222	0.00110	1	04/02/2018 02:55	WG1092317
tert-Butylbenzene	U		0.000227	0.00110	1	04/02/2018 02:55	WG1092317
Carbon disulfide	0.000314	J J	0.000244	0.00110	1	04/02/2018 02:55	WG1092317
Carbon tetrachloride	U		0.000362	0.00110	1	04/02/2018 02:55	WG1092317
Chlorobenzene	U		0.000234	0.00110	1	04/02/2018 02:55	WG1092317
Chlorodibromomethane	U		0.000412	0.00110	1	04/02/2018 02:55	WG1092317
Chloroethane	U		0.00104	0.00552	1	04/02/2018 02:55	WG1092317
Chloroform	U		0.000253	0.00552	1	04/02/2018 02:55	WG1092317
Chloromethane	U		0.000414	0.00276	1	04/02/2018 02:55	WG1092317
2-Chlorotoluene	U		0.000332	0.00110	1	04/02/2018 02:55	WG1092317
4-Chlorotoluene	U		0.000265	0.00110	1	04/02/2018 02:55	WG1092317
1,2-Dibromo-3-Chloropropane	U		0.00116	0.00552	1	04/02/2018 02:55	WG1092317
1,2-Dibromoethane	U		0.000378	0.00110	1	04/02/2018 02:55	WG1092317
Dibromomethane	U		0.000421	0.00110	1	04/02/2018 02:55	WG1092317
1,2-Dichlorobenzene	U		0.000337	0.00110	1	04/02/2018 02:55	WG1092317
1,3-Dichlorobenzene	U		0.000264	0.00110	1	04/02/2018 02:55	WG1092317
1,4-Dichlorobenzene	U		0.000249	0.00110	1	04/02/2018 02:55	WG1092317
Dichlorodifluoromethane	U		0.000787	0.00552	1	04/02/2018 02:55	WG1092317
1,1-Dichloroethane	U		0.000220	0.00110	1	04/02/2018 02:55	WG1092317
1,2-Dichloroethane	U		0.000292	0.00110	1	04/02/2018 02:55	WG1092317
1,1-Dichloroethene	U		0.000334	0.00110	1	04/02/2018 02:55	WG1092317
cis-1,2-Dichloroethene	0.000353	J J	0.000259	0.00110	1	04/02/2018 02:55	WG1092317
trans-1,2-Dichloroethene	U		0.000291	0.00110	1	04/02/2018 02:55	WG1092317
1,2-Dichloropropane	U		0.000395	0.00110	1	04/02/2018 02:55	WG1092317
1,1-Dichloropropene	U		0.000350	0.00110	1	04/02/2018 02:55	WG1092317
1,3-Dichloropropane	U		0.000228	0.00110	1	04/02/2018 02:55	WG1092317
cis-1,3-Dichloropropene	U		0.000289	0.00110	1	04/02/2018 02:55	WG1092317
trans-1,3-Dichloropropene	U		0.000295	0.00110	1	04/02/2018 02:55	WG1092317
trans-1,4-Dichloro-2-butene	U	UJ J0	0.000858	0.00276	1	04/02/2018 02:55	WG1092317
2,2-Dichloropropane	U		0.000308	0.00110	1	04/02/2018 02:55	WG1092317
Di-isopropyl ether	U	UJ J0	0.000274	0.00110	1	04/02/2018 02:55	WG1092317
Ethylbenzene	U		0.000328	0.00110	1	04/02/2018 02:55	WG1092317
Hexachloro-1,3-butadiene	U		0.000377	0.00110	1	04/02/2018 02:55	WG1092317
2-Hexanone	U		0.00151	0.0110	1	04/02/2018 02:55	WG1092317
n-Hexane	U		0.000320	0.0110	1	04/02/2018 02:55	WG1092317
Iodomethane	U		0.00279	0.0110	1	04/02/2018 02:55	WG1092317
Isopropylbenzene	U		0.000268	0.00110	1	04/02/2018 02:55	WG1092317
p-Isopropyltoluene	U		0.000225	0.00110	1	04/02/2018 02:55	WG1092317
2-Butanone (MEK)	U	UJ J0	0.00516	0.0110	1	04/02/2018 02:55	WG1092317
Methylene Chloride	U		0.00110	0.00552	1	04/02/2018 02:55	WG1092317
4-Methyl-2-pentanone (MIBK)	U		0.00207	0.0110	1	04/02/2018 02:55	WG1092317

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000234	0.00110	1	04/02/2018 02:55	WG1092317
Naphthalene	U		0.00110	0.00552	1	04/02/2018 02:55	WG1092317
n-Propylbenzene	U		0.000227	0.00110	1	04/02/2018 02:55	WG1092317
Styrene	U		0.000258	0.00110	1	04/02/2018 02:55	WG1092317
1,1,1,2-Tetrachloroethane	U		0.000291	0.00110	1	04/02/2018 02:55	WG1092317
1,1,2,2-Tetrachloroethane	U		0.000403	0.00110	1	04/02/2018 02:55	WG1092317
1,1,2-Trichlorotrifluoroethane	U		0.000403	0.00110	1	04/02/2018 02:55	WG1092317
Tetrachloroethene	U		0.000305	0.00110	1	04/02/2018 02:55	WG1092317
Toluene	U		0.000479	0.00552	1	04/02/2018 02:55	WG1092317
1,2,3-Trichlorobenzene	U	J4	0.000338	0.00110	1	04/02/2018 02:55	WG1092317
1,2,4-Trichlorobenzene	U	J4	0.000428	0.00110	1	04/02/2018 02:55	WG1092317
1,1,1-Trichloroethane	U		0.000316	0.00110	1	04/02/2018 02:55	WG1092317
1,1,2-Trichloroethane	U		0.000306	0.00110	1	04/02/2018 02:55	WG1092317
Trichloroethene	U		0.000308	0.00110	1	04/02/2018 02:55	WG1092317
Trichlorofluoromethane	U		0.000421	0.00552	1	04/02/2018 02:55	WG1092317
1,2,3-Trichloropropane	U		0.000818	0.00276	1	04/02/2018 02:55	WG1092317
1,2,4-Trimethylbenzene	U		0.000233	0.00110	1	04/02/2018 02:55	WG1092317
1,2,3-Trimethylbenzene	U		0.000317	0.00110	1	04/02/2018 02:55	WG1092317
1,3,5-Trimethylbenzene	U		0.000293	0.00110	1	04/02/2018 02:55	WG1092317
Vinyl acetate	U UJ	J0	0.00264	0.0110	1	04/02/2018 02:55	WG1092317
Vinyl chloride	0.00148		0.000321	0.00110	1	04/02/2018 02:55	WG1092317
Xylenes, Total	U		0.000770	0.00331	1	04/02/2018 02:55	WG1092317
(S) Toluene-d8	*104*			*80.0-120*		*04/02/2018 02:55*	WG1092317
(S) Dibromofluoromethane	*104*			*74.0-131*		*04/02/2018 02:55*	WG1092317
(S) 4-Bromofluorobenzene	*89.1*			*64.0-132*		*04/02/2018 02:55*	WG1092317

JC 4/25/18

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	83.0		1	04/04/2018 13:30	WG1093170

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U UJ	J0	0.0120	0.0602	1	04/02/2018 03:15	WG1092317
Acrylonitrile	U		0.00216	0.0120	1	04/02/2018 03:15	WG1092317
Benzene	U		0.000325	0.00120	1	04/02/2018 03:15	WG1092317
Bromobenzene	U		0.000342	0.00120	1	04/02/2018 03:15	WG1092317
Bromodichloromethane	U		0.000306	0.00120	1	04/02/2018 03:15	WG1092317
Bromochloromethane	U		0.000470	0.00602	1	04/02/2018 03:15	WG1092317
Bromoform	U UJ	J0	0.000511	0.00120	1	04/02/2018 03:15	WG1092317
Bromomethane	U		0.00161	0.00602	1	04/02/2018 03:15	WG1092317
n-Butylbenzene	U		0.000311	0.00120	1	04/02/2018 03:15	WG1092317
sec-Butylbenzene	U		0.000242	0.00120	1	04/02/2018 03:15	WG1092317
tert-Butylbenzene	U		0.000248	0.00120	1	04/02/2018 03:15	WG1092317
Carbon disulfide	0.000436 J	J	0.000266	0.00120	1	04/02/2018 03:15	WG1092317
Carbon tetrachloride	U		0.000395	0.00120	1	04/02/2018 03:15	WG1092317
Chlorobenzene	U		0.000255	0.00120	1	04/02/2018 03:15	WG1092317
Chlorodibromomethane	U		0.000449	0.00120	1	04/02/2018 03:15	WG1092317
Chloroethane	U		0.00114	0.00602	1	04/02/2018 03:15	WG1092317
Chloroform	U		0.000276	0.00602	1	04/02/2018 03:15	WG1092317
Chloromethane	U		0.000452	0.00301	1	04/02/2018 03:15	WG1092317
2-Chlorotoluene	U		0.000362	0.00120	1	04/02/2018 03:15	WG1092317
4-Chlorotoluene	U		0.000289	0.00120	1	04/02/2018 03:15	WG1092317
1,2-Dibromo-3-Chloropropane	U		0.00126	0.00602	1	04/02/2018 03:15	WG1092317
1,2-Dibromoethane	U		0.000413	0.00120	1	04/02/2018 03:15	WG1092317
Dibromomethane	U		0.000460	0.00120	1	04/02/2018 03:15	WG1092317
1,2-Dichlorobenzene	U		0.000367	0.00120	1	04/02/2018 03:15	WG1092317
1,3-Dichlorobenzene	U		0.000288	0.00120	1	04/02/2018 03:15	WG1092317
1,4-Dichlorobenzene	U		0.000272	0.00120	1	04/02/2018 03:15	WG1092317
Dichlorodifluoromethane	U		0.000859	0.00602	1	04/02/2018 03:15	WG1092317
1,1-Dichloroethane	U		0.000240	0.00120	1	04/02/2018 03:15	WG1092317
1,2-Dichloroethane	U		0.000319	0.00120	1	04/02/2018 03:15	WG1092317
1,1-Dichloroethene	U		0.000365	0.00120	1	04/02/2018 03:15	WG1092317
cis-1,2-Dichloroethene	0.000596 J	J	0.000283	0.00120	1	04/02/2018 03:15	WG1092317
trans-1,2-Dichloroethene	U		0.000318	0.00120	1	04/02/2018 03:15	WG1092317
1,2-Dichloropropane	U		0.000431	0.00120	1	04/02/2018 03:15	WG1092317
1,1-Dichloropropene	U		0.000382	0.00120	1	04/02/2018 03:15	WG1092317
1,3-Dichloropropane	U		0.000249	0.00120	1	04/02/2018 03:15	WG1092317
cis-1,3-Dichloropropene	U		0.000316	0.00120	1	04/02/2018 03:15	WG1092317
trans-1,3-Dichloropropene	U		0.000322	0.00120	1	04/02/2018 03:15	WG1092317
trans-1,4-Dichloro-2-butene	U UJ	J0	0.000937	0.00301	1	04/02/2018 03:15	WG1092317
2,2-Dichloropropane	U		0.000336	0.00120	1	04/02/2018 03:15	WG1092317
Di-isopropyl ether	U UJ	J0	0.000299	0.00120	1	04/02/2018 03:15	WG1092317
Ethylbenzene	U		0.000358	0.00120	1	04/02/2018 03:15	WG1092317
Hexachloro-1,3-butadiene	U		0.000412	0.00120	1	04/02/2018 03:15	WG1092317
2-Hexanone	U		0.00165	0.0120	1	04/02/2018 03:15	WG1092317
n-Hexane	U		0.000349	0.0120	1	04/02/2018 03:15	WG1092317
Iodomethane	U		0.00305	0.0120	1	04/02/2018 03:15	WG1092317
Isopropylbenzene	U		0.000293	0.00120	1	04/02/2018 03:15	WG1092317
p-Isopropyltoluene	U		0.000246	0.00120	1	04/02/2018 03:15	WG1092317
2-Butanone (MEK)	U UJ	J0	0.00564	0.0120	1	04/02/2018 03:15	WG1092317
Methylene Chloride	U		0.00120	0.00602	1	04/02/2018 03:15	WG1092317
4-Methyl-2-pentanone (MIBK)	U		0.00226	0.0120	1	04/02/2018 03:15	WG1092317

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MW-153-90

Collected date/time: 03/28/18 11:35

SAMPLE RESULTS - 44

L981889

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000255	0.00120	1	04/02/2018 03:15	WG1092317
Naphthalene	U		0.00120	0.00602	1	04/02/2018 03:15	WG1092317
n-Propylbenzene	U		0.000248	0.00120	1	04/02/2018 03:15	WG1092317
Styrene	U		0.000282	0.00120	1	04/02/2018 03:15	WG1092317
1,1,1,2-Tetrachloroethane	U		0.000318	0.00120	1	04/02/2018 03:15	WG1092317
1,1,2,2-Tetrachloroethane	U		0.000440	0.00120	1	04/02/2018 03:15	WG1092317
1,1,2-Trichlorotrifluoroethane	U		0.000440	0.00120	1	04/02/2018 03:15	WG1092317
Tetrachloroethene	0.000799 J	J	0.000332	0.00120	1	04/02/2018 03:15	WG1092317
Toluene	U		0.000523	0.00602	1	04/02/2018 03:15	WG1092317
1,2,3-Trichlorobenzene	U	J4	0.000369	0.00120	1	04/02/2018 03:15	WG1092317
1,2,4-Trichlorobenzene	U	J4	0.000467	0.00120	1	04/02/2018 03:15	WG1092317
1,1,1-Trichloroethane	U		0.000344	0.00120	1	04/02/2018 03:15	WG1092317
1,1,2-Trichloroethane	U		0.000334	0.00120	1	04/02/2018 03:15	WG1092317
Trichloroethene	U		0.000336	0.00120	1	04/02/2018 03:15	WG1092317
Trichlorofluoromethane	U		0.000460	0.00602	1	04/02/2018 03:15	WG1092317
1,2,3-Trichloropropane	U		0.000892	0.00301	1	04/02/2018 03:15	WG1092317
1,2,4-Trimethylbenzene	U		0.000254	0.00120	1	04/02/2018 03:15	WG1092317
1,2,3-Trimethylbenzene	U		0.000346	0.00120	1	04/02/2018 03:15	WG1092317
1,3,5-Trimethylbenzene	U		0.000320	0.00120	1	04/02/2018 03:15	WG1092317
Vinyl acetate	U UJ	J0	0.00288	0.0120	1	04/02/2018 03:15	WG1092317
Vinyl chloride	0.00176		0.000350	0.00120	1	04/02/2018 03:15	WG1092317
Xylenes, Total	U		0.000841	0.00361	1	04/02/2018 03:15	WG1092317
(S) Toluene-d8	*106*			*80.0-120*		*04/02/2018 03:15*	WG1092317
(S) Dibromofluoromethane	*102*			*74.0-131*		*04/02/2018 03:15*	WG1092317
(S) 4-Bromofluorobenzene	*87.4*			*64.0-132*		*04/02/2018 03:15*	WG1092317

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Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	85.0		1	04/04/2018 13:30	WG1093170

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U	UJ J0	0.0118	0.0588	1	04/02/2018 03:34	WG1092317
Acrylonitrile	U		0.00211	0.0118	1	04/02/2018 03:34	WG1092317
Benzene	U		0.000318	0.00118	1	04/02/2018 03:34	WG1092317
Bromobenzene	U		0.000334	0.00118	1	04/02/2018 03:34	WG1092317
Bromodichloromethane	U		0.000299	0.00118	1	04/02/2018 03:34	WG1092317
Bromochloromethane	U		0.000459	0.00588	1	04/02/2018 03:34	WG1092317
Bromoform	U	UJ J0	0.000499	0.00118	1	04/02/2018 03:34	WG1092317
Bromomethane	U		0.00158	0.00588	1	04/02/2018 03:34	WG1092317
n-Butylbenzene	U		0.000304	0.00118	1	04/02/2018 03:34	WG1092317
sec-Butylbenzene	U		0.000237	0.00118	1	04/02/2018 03:34	WG1092317
tert-Butylbenzene	U		0.000242	0.00118	1	04/02/2018 03:34	WG1092317
Carbon disulfide	0.000319	J J	0.000260	0.00118	1	04/02/2018 03:34	WG1092317
Carbon tetrachloride	U		0.000386	0.00118	1	04/02/2018 03:34	WG1092317
Chlorobenzene	U		0.000249	0.00118	1	04/02/2018 03:34	WG1092317
Chlorodibromomethane	U		0.000439	0.00118	1	04/02/2018 03:34	WG1092317
Chloroethane	U		0.00111	0.00588	1	04/02/2018 03:34	WG1092317
Chloroform	U		0.000269	0.00588	1	04/02/2018 03:34	WG1092317
Chloromethane	U		0.000441	0.00294	1	04/02/2018 03:34	WG1092317
2-Chlorotoluene	U		0.000354	0.00118	1	04/02/2018 03:34	WG1092317
4-Chlorotoluene	U		0.000282	0.00118	1	04/02/2018 03:34	WG1092317
1,2-Dibromo-3-Chloropropane	U		0.00124	0.00588	1	04/02/2018 03:34	WG1092317
1,2-Dibromoethane	U		0.000404	0.00118	1	04/02/2018 03:34	WG1092317
Dibromomethane	U		0.000450	0.00118	1	04/02/2018 03:34	WG1092317
1,2-Dichlorobenzene	U		0.000359	0.00118	1	04/02/2018 03:34	WG1092317
1,3-Dichlorobenzene	U		0.000281	0.00118	1	04/02/2018 03:34	WG1092317
1,4-Dichlorobenzene	U		0.000266	0.00118	1	04/02/2018 03:34	WG1092317
Dichlorodifluoromethane	U		0.000839	0.00588	1	04/02/2018 03:34	WG1092317
1,1-Dichloroethane	U		0.000234	0.00118	1	04/02/2018 03:34	WG1092317
1,2-Dichloroethane	U		0.000312	0.00118	1	04/02/2018 03:34	WG1092317
1,1-Dichloroethene	U		0.000357	0.00118	1	04/02/2018 03:34	WG1092317
cis-1,2-Dichloroethene	0.000773	J J	0.000277	0.00118	1	04/02/2018 03:34	WG1092317
trans-1,2-Dichloroethene	U		0.000311	0.00118	1	04/02/2018 03:34	WG1092317
1,2-Dichloropropane	U		0.000421	0.00118	1	04/02/2018 03:34	WG1092317
1,1-Dichloropropene	U		0.000373	0.00118	1	04/02/2018 03:34	WG1092317
1,3-Dichloropropane	U		0.000244	0.00118	1	04/02/2018 03:34	WG1092317
cis-1,3-Dichloropropene	U		0.000308	0.00118	1	04/02/2018 03:34	WG1092317
trans-1,3-Dichloropropene	U		0.000314	0.00118	1	04/02/2018 03:34	WG1092317
trans-1,4-Dichloro-2-butene	U	UJ J0	0.000916	0.00294	1	04/02/2018 03:34	WG1092317
2,2-Dichloropropane	U		0.000328	0.00118	1	04/02/2018 03:34	WG1092317
Di-isopropyl ether	U	UJ J0	0.000292	0.00118	1	04/02/2018 03:34	WG1092317
Ethylbenzene	U		0.000350	0.00118	1	04/02/2018 03:34	WG1092317
Hexachloro-1,3-butadiene	U		0.000402	0.00118	1	04/02/2018 03:34	WG1092317
2-Hexanone	U		0.00161	0.0118	1	04/02/2018 03:34	WG1092317
n-Hexane	U		0.000341	0.0118	1	04/02/2018 03:34	WG1092317
Iodomethane	U		0.00298	0.0118	1	04/02/2018 03:34	WG1092317
Isopropylbenzene	U		0.000286	0.00118	1	04/02/2018 03:34	WG1092317
p-Isopropyltoluene	U		0.000240	0.00118	1	04/02/2018 03:34	WG1092317
2-Butanone (MEK)	U	UJ J0	0.00551	0.0118	1	04/02/2018 03:34	WG1092317
Methylene Chloride	U		0.00118	0.00588	1	04/02/2018 03:34	WG1092317
4-Methyl-2-pentanone (MIBK)	U		0.00221	0.0118	1	04/02/2018 03:34	WG1092317

JC 4/25/18

MW-153-110

Collected date/time: 03/28/18 12:57

SAMPLE RESULTS - 45

L981889

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260C

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg		date / time	
Methyl tert-butyl ether	U		0.000249	0.00118	1	04/02/2018 03:34	WG1092317
Naphthalene	U		0.00118	0.00588	1	04/02/2018 03:34	WG1092317
n-Propylbenzene	U		0.000242	0.00118	1	04/02/2018 03:34	WG1092317
Styrene	U		0.000275	0.00118	1	04/02/2018 03:34	WG1092317
1,1,1,2-Tetrachloroethane	U		0.000311	0.00118	1	04/02/2018 03:34	WG1092317
1,1,2,2-Tetrachloroethane	U		0.000430	0.00118	1	04/02/2018 03:34	WG1092317
1,1,2-Trichlorotrifluoroethane	U		0.000430	0.00118	1	04/02/2018 03:34	WG1092317
Tetrachloroethene	0.00254		0.000325	0.00118	1	04/02/2018 03:34	WG1092317
Toluene	U		0.000511	0.00588	1	04/02/2018 03:34	WG1092317
1,2,3-Trichlorobenzene	U	J4	0.000360	0.00118	1	04/02/2018 03:34	WG1092317
1,2,4-Trichlorobenzene	U	J4	0.000457	0.00118	1	04/02/2018 03:34	WG1092317
1,1,1-Trichloroethane	U		0.000337	0.00118	1	04/02/2018 03:34	WG1092317
1,1,2-Trichloroethane	U		0.000326	0.00118	1	04/02/2018 03:34	WG1092317
Trichloroethene	U		0.000328	0.00118	1	04/02/2018 03:34	WG1092317
Trichlorofluoromethane	U		0.000450	0.00588	1	04/02/2018 03:34	WG1092317
1,2,3-Trichloropropane	U		0.000872	0.00294	1	04/02/2018 03:34	WG1092317
1,2,4-Trimethylbenzene	U		0.000248	0.00118	1	04/02/2018 03:34	WG1092317
1,2,3-Trimethylbenzene	U		0.000338	0.00118	1	04/02/2018 03:34	WG1092317
1,3,5-Trimethylbenzene	U		0.000313	0.00118	1	04/02/2018 03:34	WG1092317
Vinyl acetate	U	UJ J0	0.00281	0.0118	1	04/02/2018 03:34	WG1092317
Vinyl chloride	0.00311		0.000342	0.00118	1	04/02/2018 03:34	WG1092317
Xylenes, Total	U		0.000821	0.00353	1	04/02/2018 03:34	WG1092317
(S) Toluene-d8	*104*			*80.0-120*		*04/02/2018 03:34*	WG1092317
(S) Dibromofluoromethane	*103*			*74.0-131*		*04/02/2018 03:34*	WG1092317
(S) 4-Bromofluorobenzene	*88.6*			*64.0-132*		*04/02/2018 03:34*	WG1092317

JC 4/25/18

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	87.0		1	04/04/2018 13:30	WG1093170

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U UJ	J0	0.0115	0.0574	1	04/02/2018 03:54	WG1092317
Acrylonitrile	U		0.00206	0.0115	1	04/02/2018 03:54	WG1092317
Benzene	U		0.000310	0.00115	1	04/02/2018 03:54	WG1092317
Bromobenzene	U		0.000326	0.00115	1	04/02/2018 03:54	WG1092317
Bromodichloromethane	U		0.000292	0.00115	1	04/02/2018 03:54	WG1092317
Bromochloromethane	U		0.000448	0.00574	1	04/02/2018 03:54	WG1092317
Bromoform	U UJ	J0	0.000487	0.00115	1	04/02/2018 03:54	WG1092317
Bromomethane	U		0.00154	0.00574	1	04/02/2018 03:54	WG1092317
n-Butylbenzene	U		0.000296	0.00115	1	04/02/2018 03:54	WG1092317
sec-Butylbenzene	U		0.000231	0.00115	1	04/02/2018 03:54	WG1092317
tert-Butylbenzene	U		0.000237	0.00115	1	04/02/2018 03:54	WG1092317
Carbon disulfide	U		0.000254	0.00115	1	04/02/2018 03:54	WG1092317
Carbon tetrachloride	U		0.000377	0.00115	1	04/02/2018 03:54	WG1092317
Chlorobenzene	U		0.000244	0.00115	1	04/02/2018 03:54	WG1092317
Chlorodibromomethane	U		0.000428	0.00115	1	04/02/2018 03:54	WG1092317
Chloroethane	U		0.00109	0.00574	1	04/02/2018 03:54	WG1092317
Chloroform	U		0.000263	0.00574	1	04/02/2018 03:54	WG1092317
Chloromethane	U		0.000431	0.00287	1	04/02/2018 03:54	WG1092317
2-Chlorotoluene	U		0.000346	0.00115	1	04/02/2018 03:54	WG1092317
4-Chlorotoluene	U		0.000276	0.00115	1	04/02/2018 03:54	WG1092317
1,2-Dibromo-3-Chloropropane	U		0.00121	0.00574	1	04/02/2018 03:54	WG1092317
1,2-Dibromoethane	U		0.000394	0.00115	1	04/02/2018 03:54	WG1092317
Dibromomethane	U		0.000439	0.00115	1	04/02/2018 03:54	WG1092317
1,2-Dichlorobenzene	U		0.000350	0.00115	1	04/02/2018 03:54	WG1092317
1,3-Dichlorobenzene	U		0.000275	0.00115	1	04/02/2018 03:54	WG1092317
1,4-Dichlorobenzene	U		0.000260	0.00115	1	04/02/2018 03:54	WG1092317
Dichlorodifluoromethane	U		0.000819	0.00574	1	04/02/2018 03:54	WG1092317
1,1-Dichloroethane	U		0.000229	0.00115	1	04/02/2018 03:54	WG1092317
1,2-Dichloroethane	U		0.000304	0.00115	1	04/02/2018 03:54	WG1092317
1,1-Dichloroethene	U		0.000348	0.00115	1	04/02/2018 03:54	WG1092317
cis-1,2-Dichloroethene	U		0.000270	0.00115	1	04/02/2018 03:54	WG1092317
trans-1,2-Dichloroethene	U		0.000303	0.00115	1	04/02/2018 03:54	WG1092317
1,2-Dichloropropane	U		0.000411	0.00115	1	04/02/2018 03:54	WG1092317
1,1-Dichloropropene	U		0.000364	0.00115	1	04/02/2018 03:54	WG1092317
1,3-Dichloropropane	U		0.000238	0.00115	1	04/02/2018 03:54	WG1092317
cis-1,3-Dichloropropene	U		0.000301	0.00115	1	04/02/2018 03:54	WG1092317
trans-1,3-Dichloropropene	U		0.000307	0.00115	1	04/02/2018 03:54	WG1092317
trans-1,4-Dichloro-2-butene	U UJ	J0	0.000894	0.00287	1	04/02/2018 03:54	WG1092317
2,2-Dichloropropane	U		0.000321	0.00115	1	04/02/2018 03:54	WG1092317
Di-isopropyl ether	U UJ	J0	0.000285	0.00115	1	04/02/2018 03:54	WG1092317
Ethylbenzene	U		0.000341	0.00115	1	04/02/2018 03:54	WG1092317
Hexachloro-1,3-butadiene	U		0.000393	0.00115	1	04/02/2018 03:54	WG1092317
2-Hexanone	U		0.00157	0.0115	1	04/02/2018 03:54	WG1092317
n-Hexane	U		0.000333	0.0115	1	04/02/2018 03:54	WG1092317
Iodomethane	U		0.00291	0.0115	1	04/02/2018 03:54	WG1092317
Isopropylbenzene	U		0.000279	0.00115	1	04/02/2018 03:54	WG1092317
p-Isopropyltoluene	U		0.000234	0.00115	1	04/02/2018 03:54	WG1092317
2-Butanone (MEK)	U UJ	J0	0.00538	0.0115	1	04/02/2018 03:54	WG1092317
Methylene Chloride	U		0.00115	0.00574	1	04/02/2018 03:54	WG1092317
4-Methyl-2-pentanone (MIBK)	U		0.00216	0.0115	1	04/02/2018 03:54	WG1092317

JC 4/25/18

MW-153-130

Collected date/time: 03/29/18 10:19

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg		Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U			0.000244	0.00115	1	04/02/2018 03:54	WG1092317
Naphthalene	U			0.00115	0.00574	1	04/02/2018 03:54	WG1092317
n-Propylbenzene	U			0.000237	0.00115	1	04/02/2018 03:54	WG1092317
Styrene	U			0.000269	0.00115	1	04/02/2018 03:54	WG1092317
1,1,1,2-Tetrachloroethane	U			0.000303	0.00115	1	04/02/2018 03:54	WG1092317
1,1,2,2-Tetrachloroethane	U			0.000419	0.00115	1	04/02/2018 03:54	WG1092317
1,1,2-Trichlorotrifluoroethane	U			0.000419	0.00115	1	04/02/2018 03:54	WG1092317
Tetrachloroethene	0.000648	J	J	0.000317	0.00115	1	04/02/2018 03:54	WG1092317
Toluene	U			0.000499	0.00574	1	04/02/2018 03:54	WG1092317
1,2,3-Trichlorobenzene	U		J4	0.000352	0.00115	1	04/02/2018 03:54	WG1092317
1,2,4-Trichlorobenzene	U		J4	0.000446	0.00115	1	04/02/2018 03:54	WG1092317
1,1,1-Trichloroethane	U			0.000329	0.00115	1	04/02/2018 03:54	WG1092317
1,1,2-Trichloroethane	U			0.000318	0.00115	1	04/02/2018 03:54	WG1092317
Trichloroethene	U			0.000321	0.00115	1	04/02/2018 03:54	WG1092317
Trichlorofluoromethane	U			0.000439	0.00574	1	04/02/2018 03:54	WG1092317
1,2,3-Trichloropropane	U			0.000851	0.00287	1	04/02/2018 03:54	WG1092317
1,2,4-Trimethylbenzene	U			0.000242	0.00115	1	04/02/2018 03:54	WG1092317
1,2,3-Trimethylbenzene	U			0.000330	0.00115	1	04/02/2018 03:54	WG1092317
1,3,5-Trimethylbenzene	U			0.000306	0.00115	1	04/02/2018 03:54	WG1092317
Vinyl acetate	U	UJ	J0	0.00275	0.0115	1	04/02/2018 03:54	WG1092317
Vinyl chloride	U			0.000334	0.00115	1	04/02/2018 03:54	WG1092317
Xylenes, Total	U			0.000802	0.00345	1	04/02/2018 03:54	WG1092317
(S) Toluene-d8	*105*				*80.0-120*		*04/02/2018 03:54*	WG1092317
(S) Dibromofluoromethane	*104*				*74.0-131*		*04/02/2018 03:54*	WG1092317
(S) 4-Bromofluorobenzene	*88.3*				*64.0-132*		*04/02/2018 03:54*	WG1092317

JC 4/25/18

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Collected date/time: 03/29/18 00:00

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		1.05	25.0	1	03/31/2018 18:45	WG1092115
Acrylonitrile	U	UJ J0	0.873	5.00	1	03/31/2018 18:45	WG1092115
Benzene	U		0.0896	0.500	1	03/31/2018 18:45	WG1092115
Bromobenzene	U		0.133	0.500	1	03/31/2018 18:45	WG1092115
Bromodichloromethane	U		0.0800	0.500	1	03/31/2018 18:45	WG1092115
Bromochloromethane	U		0.145	0.500	1	03/31/2018 18:45	WG1092115
Bromoform	U		0.186	0.500	1	03/31/2018 18:45	WG1092115
Bromomethane	U		0.157	2.50	1	03/31/2018 18:45	WG1092115
n-Butylbenzene	U		0.143	0.500	1	03/31/2018 18:45	WG1092115
sec-Butylbenzene	U		0.134	0.500	1	03/31/2018 18:45	WG1092115
tert-Butylbenzene	U		0.183	0.500	1	03/31/2018 18:45	WG1092115
Carbon disulfide	U		0.101	0.500	1	03/31/2018 18:45	WG1092115
Carbon tetrachloride	U		0.159	0.500	1	03/31/2018 18:45	WG1092115
Chlorobenzene	U		0.140	0.500	1	03/31/2018 18:45	WG1092115
Chlorodibromomethane	U		0.128	0.500	1	03/31/2018 18:45	WG1092115
Chloroethane	U		0.141	2.50	1	03/31/2018 18:45	WG1092115
Chloroform	U		0.0860	0.500	1	03/31/2018 18:45	WG1092115
Chloromethane	U		0.153	1.25	1	03/31/2018 18:45	WG1092115
2-Chlorotoluene	U		0.111	0.500	1	03/31/2018 18:45	WG1092115
4-Chlorotoluene	U		0.0972	0.500	1	03/31/2018 18:45	WG1092115
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	03/31/2018 18:45	WG1092115
1,2-Dibromoethane	U		0.193	0.500	1	03/31/2018 18:45	WG1092115
Dibromomethane	U		0.117	0.500	1	03/31/2018 18:45	WG1092115
1,2-Dichlorobenzene	U		0.101	0.500	1	03/31/2018 18:45	WG1092115
1,3-Dichlorobenzene	U		0.130	0.500	1	03/31/2018 18:45	WG1092115
1,4-Dichlorobenzene	U		0.121	0.500	1	03/31/2018 18:45	WG1092115
Dichlorodifluoromethane	U		0.127	2.50	1	03/31/2018 18:45	WG1092115
1,1-Dichloroethane	U		0.114	0.500	1	03/31/2018 18:45	WG1092115
1,2-Dichloroethane	U		0.108	0.500	1	03/31/2018 18:45	WG1092115
1,1-Dichloroethene	U		0.188	0.500	1	03/31/2018 18:45	WG1092115
cis-1,2-Dichloroethene	U	UJ J0	0.0933	0.500	1	03/31/2018 18:45	WG1092115
trans-1,2-Dichloroethene	U		0.152	0.500	1	03/31/2018 18:45	WG1092115
1,2-Dichloropropane	U		0.190	0.500	1	03/31/2018 18:45	WG1092115
1,1-Dichloropropene	U		0.128	0.500	1	03/31/2018 18:45	WG1092115
1,3-Dichloropropane	U		0.147	1.00	1	03/31/2018 18:45	WG1092115
cis-1,3-Dichloropropene	U		0.0976	0.500	1	03/31/2018 18:45	WG1092115
trans-1,3-Dichloropropene	U		0.222	0.500	1	03/31/2018 18:45	WG1092115
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	03/31/2018 18:45	WG1092115
2,2-Dichloropropane	U		0.0929	0.500	1	03/31/2018 18:45	WG1092115
Di-isopropyl ether	U		0.0924	0.500	1	03/31/2018 18:45	WG1092115
Ethylbenzene	U		0.158	0.500	1	03/31/2018 18:45	WG1092115
Hexachloro-1,3-butadiene	U		0.157	1.00	1	03/31/2018 18:45	WG1092115
2-Hexanone	U		0.757	5.00	1	03/31/2018 18:45	WG1092115
n-Hexane	U		0.305	5.00	1	03/31/2018 18:45	WG1092115
Iodomethane	U		0.377	10.0	1	03/31/2018 18:45	WG1092115
Isopropylbenzene	U		0.126	0.500	1	03/31/2018 18:45	WG1092115
p-Isopropyltoluene	U		0.138	0.500	1	03/31/2018 18:45	WG1092115
2-Butanone (MEK)	U		1.28	5.00	1	03/31/2018 18:45	WG1092115
Methylene Chloride	U		1.07	2.50	1	03/31/2018 18:45	WG1092115
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	03/31/2018 18:45	WG1092115
Methyl tert-butyl ether	U		0.102	0.500	1	03/31/2018 18:45	WG1092115
Naphthalene	U		0.174	2.50	1	03/31/2018 18:45	WG1092115
n-Propylbenzene	U		0.162	0.500	1	03/31/2018 18:45	WG1092115
Styrene	U		0.117	0.500	1	03/31/2018 18:45	WG1092115
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	03/31/2018 18:45	WG1092115
1,1,2,2-Tetrachloroethane	U	UJ J0	0.130	0.500	1	03/31/2018 18:45	WG1092115

JC 4/25/18

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	03/31/2018 18:45	WG1092115
Tetrachloroethene	U		0.199	0.500	1	03/31/2018 18:45	WG1092115
Toluene	U		0.412	0.500	1	03/31/2018 18:45	WG1092115
1,2,3-Trichlorobenzene	U		0.164	0.500	1	03/31/2018 18:45	WG1092115
1,2,4-Trichlorobenzene	U		0.355	0.500	1	03/31/2018 18:45	WG1092115
1,1,1-Trichloroethane	U		0.0940	0.500	1	03/31/2018 18:45	WG1092115
1,1,2-Trichloroethane	U		0.186	0.500	1	03/31/2018 18:45	WG1092115
Trichloroethene	U		0.153	0.500	1	03/31/2018 18:45	WG1092115
Trichlorofluoromethane	U	J4	0.130	2.50	1	03/31/2018 18:45	WG1092115
1,2,3-Trichloropropane	U		0.247	2.50	1	03/31/2018 18:45	WG1092115
1,2,4-Trimethylbenzene	U		0.123	0.500	1	03/31/2018 18:45	WG1092115
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	03/31/2018 18:45	WG1092115
1,3,5-Trimethylbenzene	U		0.124	0.500	1	03/31/2018 18:45	WG1092115
Vinyl acetate	U		0.645	5.00	1	03/31/2018 18:45	WG1092115
Vinyl chloride	U		0.118	0.500	1	03/31/2018 18:45	WG1092115
Xylenes, Total	U		0.316	1.50	1	03/31/2018 18:45	WG1092115
(S) Toluene-d8	*98.4*			*80.0-120*		*03/31/2018 18:45*	WG1092115
(S) Dibromofluoromethane	*102*			*76.0-123*		*03/31/2018 18:45*	WG1092115
(S) 4-Bromofluorobenzene	*95.7*			*80.0-120*		*03/31/2018 18:45*	WG1092115

JC 4/25/18

ANALYTICAL REPORT

April 12, 2018

PES Environmental, Inc.- WA

Sample Delivery Group: L982183
Samples Received: 03/31/2018
Project Number: 1413.001.05.601
Description:

Report To: Brian O'Neal/Bill Haldeman
1215 Fourth Ave., Suite 1350
Seattle, WA 98161

Entire Report Reviewed By: Brian Ford

Brian Ford
Technical Service Representative

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B-243-5 L982183-01 Solid

Collected by	Collected date/time	Received date/time
Dan Johnson	03/29/18 13:18	03/31/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1094159	1	04/05/18 15:22	04/05/18 15:33	KS
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1092639	1	03/29/18 13:18	04/03/18 03:22	JHH
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1092919	1	04/02/18 13:18	04/03/18 19:08	LRL

B-243-10 L982183-02 Solid

Collected by	Collected date/time	Received date/time
Dan Johnson	03/29/18 13:29	03/31/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1094159	1	04/05/18 15:22	04/05/18 15:33	KS
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1092639	1	03/29/18 13:29	04/03/18 03:46	JHH
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1092919	1	04/03/18 14:48	04/04/18 16:27	JHH
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1092919-1	200	04/03/18 14:48	04/08/18 17:53	JHH

B-243-15 L982183-03 Solid

Collected by	Collected date/time	Received date/time
Dan Johnson	03/29/18 13:43	03/31/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1094162	1	04/05/18 15:07	04/05/18 15:19	KS
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1092639	1	04/08/18 21:08	04/08/18 22:16	JAH
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1092919-3	25	04/02/18 13:18	04/09/18 13:27	JHH

B-243-20 L982183-04 Solid

Collected by	Collected date/time	Received date/time
Dan Johnson	03/29/18 13:48	03/31/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1094162	1	04/05/18 15:07	04/05/18 15:19	KS
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1092639	1	03/29/18 13:48	04/03/18 04:34	JHH
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1092919	1	04/03/18 14:48	04/03/18 20:37	LRL
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1092919-1	2500	04/03/18 14:48	04/08/18 18:37	JHH

B-243-25 L982183-05 Solid

Collected by	Collected date/time	Received date/time
Dan Johnson	03/29/18 13:53	03/31/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1094162	1	04/05/18 15:07	04/05/18 15:19	KS
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1092639	1	03/29/18 13:53	04/03/18 04:58	JHH
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1092919	1	04/03/18 14:48	04/03/18 20:58	LRL
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1092919-1	200	04/03/18 14:48	04/08/18 19:23	JHH

B-243-30 L982183-06 Solid

Collected by	Collected date/time	Received date/time
Dan Johnson	03/29/18 13:57	03/31/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1094162	1	04/05/18 15:07	04/05/18 15:19	KS
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1092639	1	03/29/18 13:57	04/03/18 05:22	JHH
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1092919	1	04/03/18 14:48	04/03/18 21:19	LRL
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1092919-1	200	04/03/18 14:48	04/08/18 19:46	JHH

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

B-243-35 L982183-07 Solid

Collected by	Collected date/time	Received date/time
Dan Johnson	03/29/18 14:03	03/31/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1094162	1	04/05/18 15:07	04/05/18 15:19	KS
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1092639	1	03/29/18 14:03	04/03/18 05:46	JHH
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1093155	1	03/29/18 14:03	04/04/18 16:57	BMB
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1093155	100	03/29/18 14:03	04/06/18 16:44	BMB

B-243-42 L982183-08 Solid

Collected by	Collected date/time	Received date/time
Dan Johnson	03/29/18 14:21	03/31/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1094162	1	04/05/18 15:07	04/05/18 15:19	KS
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1092639	1	03/29/18 14:21	04/08/18 22:37	JAH
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1093155	1	03/29/18 14:21	04/04/18 17:18	BMB
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1093155	200	03/29/18 14:21	04/06/18 17:04	BMB

B-243-45 L982183-09 Solid

Collected by	Collected date/time	Received date/time
Dan Johnson	03/29/18 14:28	03/31/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1094162	1	04/05/18 15:07	04/05/18 15:19	KS
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1092639	1	03/29/18 14:28	04/03/18 06:34	JHH
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1093155	1	03/29/18 14:28	04/04/18 17:39	BMB
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1093155	200	03/29/18 14:28	04/06/18 17:24	BMB

B-243-50 L982183-10 Solid

Collected by	Collected date/time	Received date/time
Dan Johnson	03/29/18 14:35	03/31/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1094162	1	04/05/18 15:07	04/05/18 15:19	KS
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1092639	1	03/29/18 14:35	04/03/18 06:57	JHH
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1093155	1	03/29/18 14:35	04/04/18 18:00	BMB
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1093155	1000	03/29/18 14:35	04/08/18 15:18	JHH
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1093155	250	03/29/18 14:35	04/06/18 17:44	BMB

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All radiochemical sample results for solids are reported on a dry weight basis with the exception of tritium, carbon-14 and radon, unless wet weight was requested by the client. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Brian Ford

Brian Ford
Technical Service Representative

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	86.1		1	04/05/2018 15:33	WG1094159

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	U		0.0394	0.116	1	04/03/2018 03:22	WG1092639
(S) a,a,a-Trifluorotoluene(FID)	*103*			*77.0-120*		*04/03/2018 03:22*	WG1092639

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U	J3	0.0116	0.0581	1	04/03/2018 19:08	WG1092919
Acrylonitrile	U		0.00208	0.0116	1	04/03/2018 19:08	WG1092919
Benzene	U		0.000314	0.00116	1	04/03/2018 19:08	WG1092919
Bromobenzene	U		0.000330	0.00116	1	04/03/2018 19:08	WG1092919
Bromodichloromethane	U		0.000295	0.00116	1	04/03/2018 19:08	WG1092919
Bromochloromethane	U		0.000453	0.00581	1	04/03/2018 19:08	WG1092919
Bromoform	U		0.000492	0.00116	1	04/03/2018 19:08	WG1092919
Bromomethane	U		0.00156	0.00581	1	04/03/2018 19:08	WG1092919
n-Butylbenzene	U		0.000300	0.00116	1	04/03/2018 19:08	WG1092919
sec-Butylbenzene	U		0.000233	0.00116	1	04/03/2018 19:08	WG1092919
tert-Butylbenzene	U		0.000239	0.00116	1	04/03/2018 19:08	WG1092919
Carbon disulfide	U	J3	0.000257	0.00116	1	04/03/2018 19:08	WG1092919
Carbon tetrachloride	U		0.000381	0.00116	1	04/03/2018 19:08	WG1092919
Chlorobenzene	U		0.000246	0.00116	1	04/03/2018 19:08	WG1092919
Chlorodibromomethane	U		0.000433	0.00116	1	04/03/2018 19:08	WG1092919
Chloroethane	U		0.00110	0.00581	1	04/03/2018 19:08	WG1092919
Chloroform	U		0.000266	0.00581	1	04/03/2018 19:08	WG1092919
Chloromethane	U	J3	0.000436	0.00290	1	04/03/2018 19:08	WG1092919
2-Chlorotoluene	U		0.000350	0.00116	1	04/03/2018 19:08	WG1092919
4-Chlorotoluene	U		0.000279	0.00116	1	04/03/2018 19:08	WG1092919
1,2-Dibromo-3-Chloropropane	U		0.00122	0.00581	1	04/03/2018 19:08	WG1092919
1,2-Dibromoethane	U		0.000398	0.00116	1	04/03/2018 19:08	WG1092919
Dibromomethane	U		0.000444	0.00116	1	04/03/2018 19:08	WG1092919
1,2-Dichlorobenzene	U		0.000354	0.00116	1	04/03/2018 19:08	WG1092919
1,3-Dichlorobenzene	U		0.000278	0.00116	1	04/03/2018 19:08	WG1092919
1,4-Dichlorobenzene	U		0.000262	0.00116	1	04/03/2018 19:08	WG1092919
Dichlorodifluoromethane	U	J3	0.000828	0.00581	1	04/03/2018 19:08	WG1092919
1,1-Dichloroethane	U		0.000231	0.00116	1	04/03/2018 19:08	WG1092919
1,2-Dichloroethane	U		0.000308	0.00116	1	04/03/2018 19:08	WG1092919
1,1-Dichloroethene	U	J3	0.000352	0.00116	1	04/03/2018 19:08	WG1092919
cis-1,2-Dichloroethene	U		0.000273	0.00116	1	04/03/2018 19:08	WG1092919
trans-1,2-Dichloroethene	U		0.000307	0.00116	1	04/03/2018 19:08	WG1092919
1,2-Dichloropropane	U		0.000416	0.00116	1	04/03/2018 19:08	WG1092919
1,1-Dichloropropene	U		0.000368	0.00116	1	04/03/2018 19:08	WG1092919
1,3-Dichloropropane	U		0.000240	0.00116	1	04/03/2018 19:08	WG1092919
cis-1,3-Dichloropropene	U		0.000304	0.00116	1	04/03/2018 19:08	WG1092919
trans-1,3-Dichloropropene	U		0.000310	0.00116	1	04/03/2018 19:08	WG1092919
trans-1,4-Dichloro-2-butene	U		0.000904	0.00290	1	04/03/2018 19:08	WG1092919
2,2-Dichloropropane	U		0.000324	0.00116	1	04/03/2018 19:08	WG1092919
Di-isopropyl ether	U		0.000288	0.00116	1	04/03/2018 19:08	WG1092919
Ethylbenzene	U		0.000345	0.00116	1	04/03/2018 19:08	WG1092919
Hexachloro-1,3-butadiene	U		0.000397	0.00116	1	04/03/2018 19:08	WG1092919
2-Hexanone	U	J3	0.00159	0.0116	1	04/03/2018 19:08	WG1092919
n-Hexane	U	J3	0.000337	0.0116	1	04/03/2018 19:08	WG1092919

B-243-5

SAMPLE RESULTS - 01

Collected date/time: 03/29/18 13:18

L982183

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Iodomethane	U	J3	0.00294	0.0116	1	04/03/2018 19:08	WG1092919
Isopropylbenzene	U		0.000282	0.00116	1	04/03/2018 19:08	WG1092919
p-Isopropyltoluene	U		0.000237	0.00116	1	04/03/2018 19:08	WG1092919
2-Butanone (MEK)	U	J3	0.00544	0.0116	1	04/03/2018 19:08	WG1092919
Methylene Chloride	U		0.00116	0.00581	1	04/03/2018 19:08	WG1092919
4-Methyl-2-pentanone (MIBK)	U		0.00218	0.0116	1	04/03/2018 19:08	WG1092919
Methyl tert-butyl ether	U		0.000246	0.00116	1	04/03/2018 19:08	WG1092919
Naphthalene	U		0.00116	0.00581	1	04/03/2018 19:08	WG1092919
n-Propylbenzene	U		0.000239	0.00116	1	04/03/2018 19:08	WG1092919
Styrene	U		0.000272	0.00116	1	04/03/2018 19:08	WG1092919
1,1,1,2-Tetrachloroethane	U		0.000307	0.00116	1	04/03/2018 19:08	WG1092919
1,1,2,2-Tetrachloroethane	U		0.000424	0.00116	1	04/03/2018 19:08	WG1092919
1,1,2-Trichlorotrifluoroethane	U		0.000424	0.00116	1	04/03/2018 19:08	WG1092919
Tetrachloroethene	0.0560		0.000321	0.00116	1	04/03/2018 19:08	WG1092919
Toluene	U		0.000504	0.00581	1	04/03/2018 19:08	WG1092919
1,2,3-Trichlorobenzene	U		0.000355	0.00116	1	04/03/2018 19:08	WG1092919
1,2,4-Trichlorobenzene	U		0.000451	0.00116	1	04/03/2018 19:08	WG1092919
1,1,1-Trichloroethane	U		0.000332	0.00116	1	04/03/2018 19:08	WG1092919
1,1,2-Trichloroethane	U		0.000322	0.00116	1	04/03/2018 19:08	WG1092919
Trichloroethene	U		0.000324	0.00116	1	04/03/2018 19:08	WG1092919
Trichlorofluoromethane	U		0.000444	0.00581	1	04/03/2018 19:08	WG1092919
1,2,3-Trichloropropane	U		0.000861	0.00290	1	04/03/2018 19:08	WG1092919
1,2,4-Trimethylbenzene	U		0.000245	0.00116	1	04/03/2018 19:08	WG1092919
1,2,3-Trimethylbenzene	U		0.000333	0.00116	1	04/03/2018 19:08	WG1092919
1,3,5-Trimethylbenzene	U		0.000309	0.00116	1	04/03/2018 19:08	WG1092919
Vinyl acetate	U		0.00278	0.0116	1	04/03/2018 19:08	WG1092919
Vinyl chloride	U	J3	0.000338	0.00116	1	04/03/2018 19:08	WG1092919
Xylenes, Total	U		0.000811	0.00348	1	04/03/2018 19:08	WG1092919
(S) Toluene-d8	*102*			*80.0-120*		*04/03/2018 19:08*	WG1092919
(S) Dibromofluoromethane	*101*			*74.0-131*		*04/03/2018 19:08*	WG1092919
(S) 4-Bromofluorobenzene	*103*			*64.0-132*		*04/03/2018 19:08*	WG1092919

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	88.0		1	04/05/2018 15:33	WG1094159

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	0.619		0.0385	0.114	1	04/03/2018 03:46	WG1092639
(S) a,a,a-Trifluorotoluene(FID)	*103*			*77.0-120*		*04/03/2018 03:46*	WG1092639

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U	J3	0.0114	0.0568	1	04/04/2018 16:27	WG1092919
Acrylonitrile	U		0.00203	0.0114	1	04/04/2018 16:27	WG1092919
Benzene	U		0.000307	0.00114	1	04/04/2018 16:27	WG1092919
Bromobenzene	U		0.000323	0.00114	1	04/04/2018 16:27	WG1092919
Bromodichloromethane	U		0.000289	0.00114	1	04/04/2018 16:27	WG1092919
Bromochloromethane	U		0.000443	0.00568	1	04/04/2018 16:27	WG1092919
Bromoform	U		0.000482	0.00114	1	04/04/2018 16:27	WG1092919
Bromomethane	U		0.00152	0.00568	1	04/04/2018 16:27	WG1092919
n-Butylbenzene	0.00143		0.000293	0.00114	1	04/04/2018 16:27	WG1092919
sec-Butylbenzene	0.000993	J	0.000228	0.00114	1	04/04/2018 16:27	WG1092919
tert-Butylbenzene	0.000445	J	0.000234	0.00114	1	04/04/2018 16:27	WG1092919
Carbon disulfide	U	J3	0.000251	0.00114	1	04/04/2018 16:27	WG1092919
Carbon tetrachloride	U		0.000373	0.00114	1	04/04/2018 16:27	WG1092919
Chlorobenzene	U		0.000241	0.00114	1	04/04/2018 16:27	WG1092919
Chlorodibromomethane	U		0.000424	0.00114	1	04/04/2018 16:27	WG1092919
Chloroethane	U		0.00107	0.00568	1	04/04/2018 16:27	WG1092919
Chloroform	U		0.000260	0.00568	1	04/04/2018 16:27	WG1092919
Chloromethane	U	J3	0.000426	0.00284	1	04/04/2018 16:27	WG1092919
2-Chlorotoluene	U		0.000342	0.00114	1	04/04/2018 16:27	WG1092919
4-Chlorotoluene	U		0.000273	0.00114	1	04/04/2018 16:27	WG1092919
1,2-Dibromo-3-Chloropropane	U		0.00119	0.00568	1	04/04/2018 16:27	WG1092919
1,2-Dibromoethane	U		0.000390	0.00114	1	04/04/2018 16:27	WG1092919
Dibromomethane	U		0.000434	0.00114	1	04/04/2018 16:27	WG1092919
1,2-Dichlorobenzene	U		0.000346	0.00114	1	04/04/2018 16:27	WG1092919
1,3-Dichlorobenzene	U		0.000271	0.00114	1	04/04/2018 16:27	WG1092919
1,4-Dichlorobenzene	U		0.000257	0.00114	1	04/04/2018 16:27	WG1092919
Dichlorodifluoromethane	U	J3	0.000810	0.00568	1	04/04/2018 16:27	WG1092919
1,1-Dichloroethane	U		0.000226	0.00114	1	04/04/2018 16:27	WG1092919
1,2-Dichloroethane	U		0.000301	0.00114	1	04/04/2018 16:27	WG1092919
1,1-Dichloroethene	U	J3	0.000344	0.00114	1	04/04/2018 16:27	WG1092919
cis-1,2-Dichloroethene	0.000267	J	0.000267	0.00114	1	04/04/2018 16:27	WG1092919
trans-1,2-Dichloroethene	U		0.000300	0.00114	1	04/04/2018 16:27	WG1092919
1,2-Dichloropropane	U		0.000407	0.00114	1	04/04/2018 16:27	WG1092919
1,1-Dichloropropene	U		0.000360	0.00114	1	04/04/2018 16:27	WG1092919
1,3-Dichloropropane	U		0.000235	0.00114	1	04/04/2018 16:27	WG1092919
cis-1,3-Dichloropropene	U		0.000298	0.00114	1	04/04/2018 16:27	WG1092919
trans-1,3-Dichloropropene	U		0.000303	0.00114	1	04/04/2018 16:27	WG1092919
trans-1,4-Dichloro-2-butene	U		0.000884	0.00284	1	04/04/2018 16:27	WG1092919
2,2-Dichloropropane	U		0.000317	0.00114	1	04/04/2018 16:27	WG1092919
Di-isopropyl ether	U		0.000282	0.00114	1	04/04/2018 16:27	WG1092919
Ethylbenzene	U		0.000337	0.00114	1	04/04/2018 16:27	WG1092919
Hexachloro-1,3-butadiene	U		0.000388	0.00114	1	04/04/2018 16:27	WG1092919
2-Hexanone	U	J3	0.00156	0.0114	1	04/04/2018 16:27	WG1092919
n-Hexane	0.000483	J J3	0.000329	0.0114	1	04/04/2018 16:27	WG1092919

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Iodomethane	U	J3	0.00287	0.0114	1	04/04/2018 16:27	WG1092919
Isopropylbenzene	U		0.000276	0.00114	1	04/04/2018 16:27	WG1092919
p-Isopropyltoluene	0.000749	J	0.000232	0.00114	1	04/04/2018 16:27	WG1092919
2-Butanone (MEK)	U	J3	0.00532	0.0114	1	04/04/2018 16:27	WG1092919
Methylene Chloride	U		0.00114	0.00568	1	04/04/2018 16:27	WG1092919
4-Methyl-2-pentanone (MIBK)	U		0.00214	0.0114	1	04/04/2018 16:27	WG1092919
Methyl tert-butyl ether	U		0.000241	0.00114	1	04/04/2018 16:27	WG1092919
Naphthalene	U		0.00114	0.00568	1	04/04/2018 16:27	WG1092919
n-Propylbenzene	U		0.000234	0.00114	1	04/04/2018 16:27	WG1092919
Styrene	U		0.000266	0.00114	1	04/04/2018 16:27	WG1092919
1,1,1,2-Tetrachloroethane	U		0.000300	0.00114	1	04/04/2018 16:27	WG1092919
1,1,2,2-Tetrachloroethane	U		0.000415	0.00114	1	04/04/2018 16:27	WG1092919
1,1,2-Trichlorotrifluoroethane	U		0.000415	0.00114	1	04/04/2018 16:27	WG1092919
Tetrachloroethene	6.96		0.0627	0.227	200	04/08/2018 17:53	WG1092919-1
Toluene	U		0.000493	0.00568	1	04/04/2018 16:27	WG1092919
1,2,3-Trichlorobenzene	U		0.000348	0.00114	1	04/04/2018 16:27	WG1092919
1,2,4-Trichlorobenzene	U		0.000441	0.00114	1	04/04/2018 16:27	WG1092919
1,1,1-Trichloroethane	U		0.000325	0.00114	1	04/04/2018 16:27	WG1092919
1,1,2-Trichloroethane	U		0.000315	0.00114	1	04/04/2018 16:27	WG1092919
Trichloroethene	0.00115		0.000317	0.00114	1	04/04/2018 16:27	WG1092919
Trichlorofluoromethane	U		0.000434	0.00568	1	04/04/2018 16:27	WG1092919
1,2,3-Trichloropropane	U		0.000842	0.00284	1	04/04/2018 16:27	WG1092919
1,2,4-Trimethylbenzene	0.00226		0.000240	0.00114	1	04/04/2018 16:27	WG1092919
1,2,3-Trimethylbenzene	U		0.000326	0.00114	1	04/04/2018 16:27	WG1092919
1,3,5-Trimethylbenzene	0.00110	J	0.000302	0.00114	1	04/04/2018 16:27	WG1092919
Vinyl acetate	U		0.00271	0.0114	1	04/04/2018 16:27	WG1092919
Vinyl chloride	U	J3	0.000331	0.00114	1	04/04/2018 16:27	WG1092919
Xylenes, Total	U		0.000793	0.00341	1	04/04/2018 16:27	WG1092919
(S) Toluene-d8	*109*			*80.0-120*		*04/04/2018 16:27*	WG1092919
(S) Toluene-d8	*104*			*80.0-120*		*04/08/2018 17:53*	WG1092919-1
(S) Dibromofluoromethane	*98.7*			*74.0-131*		*04/04/2018 16:27*	WG1092919
(S) Dibromofluoromethane	*110*			*74.0-131*		*04/08/2018 17:53*	WG1092919-1
(S) 4-Bromofluorobenzene	*116*			*64.0-132*		*04/04/2018 16:27*	WG1092919
(S) 4-Bromofluorobenzene	*99.6*			*64.0-132*		*04/08/2018 17:53*	WG1092919-1

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	88.4		1	04/05/2018 15:19	WG1094162

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	1.64	V3	0.0384	0.113	1	04/08/2018 22:16	WG1092639
(S) a,a,a-Trifluorotoluene(FID)	*62.3*	J2		*77.0-120*		*04/08/2018 22:16*	WG1092639

Sample Narrative:

L982183-03 WG1092639: Previous run also had low IS/SURR recovery. Matrix effect.

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U	J0	0.283	1.41	25	04/09/2018 13:27	WG1092919-3
Acrylonitrile	U		0.0507	0.283	25	04/09/2018 13:27	WG1092919-3
Benzene	U		0.00764	0.0283	25	04/09/2018 13:27	WG1092919-3
Bromobenzene	U		0.00803	0.0283	25	04/09/2018 13:27	WG1092919-3
Bromodichloromethane	U		0.00719	0.0283	25	04/09/2018 13:27	WG1092919-3
Bromochloromethane	U		0.0110	0.141	25	04/09/2018 13:27	WG1092919-3
Bromoform	U	J0	0.0120	0.0283	25	04/09/2018 13:27	WG1092919-3
Bromomethane	U		0.0379	0.141	25	04/09/2018 13:27	WG1092919-3
n-Butylbenzene	U		0.00730	0.0283	25	04/09/2018 13:27	WG1092919-3
sec-Butylbenzene	U		0.00568	0.0283	25	04/09/2018 13:27	WG1092919-3
tert-Butylbenzene	U		0.00583	0.0283	25	04/09/2018 13:27	WG1092919-3
Carbon disulfide	U		0.00625	0.0283	25	04/09/2018 13:27	WG1092919-3
Carbon tetrachloride	U		0.00928	0.0283	25	04/09/2018 13:27	WG1092919-3
Chlorobenzene	U		0.00600	0.0283	25	04/09/2018 13:27	WG1092919-3
Chlorodibromomethane	U		0.0105	0.0283	25	04/09/2018 13:27	WG1092919-3
Chloroethane	U		0.0267	0.141	25	04/09/2018 13:27	WG1092919-3
Chloroform	U		0.00647	0.141	25	04/09/2018 13:27	WG1092919-3
Chloromethane	U	J0	0.0106	0.0707	25	04/09/2018 13:27	WG1092919-3
2-Chlorotoluene	U		0.00851	0.0283	25	04/09/2018 13:27	WG1092919-3
4-Chlorotoluene	U		0.00679	0.0283	25	04/09/2018 13:27	WG1092919-3
1,2-Dibromo-3-Chloropropane	U		0.0296	0.141	25	04/09/2018 13:27	WG1092919-3
1,2-Dibromoethane	U		0.00971	0.0283	25	04/09/2018 13:27	WG1092919-3
Dibromomethane	U		0.0108	0.0283	25	04/09/2018 13:27	WG1092919-3
1,2-Dichlorobenzene	U		0.00862	0.0283	25	04/09/2018 13:27	WG1092919-3
1,3-Dichlorobenzene	U		0.00677	0.0283	25	04/09/2018 13:27	WG1092919-3
1,4-Dichlorobenzene	U		0.00639	0.0283	25	04/09/2018 13:27	WG1092919-3
Dichlorodifluoromethane	U	J0	0.0201	0.141	25	04/09/2018 13:27	WG1092919-3
1,1-Dichloroethane	U		0.00564	0.0283	25	04/09/2018 13:27	WG1092919-3
1,2-Dichloroethane	U		0.00749	0.0283	25	04/09/2018 13:27	WG1092919-3
1,1-Dichloroethene	U		0.00858	0.0283	25	04/09/2018 13:27	WG1092919-3
cis-1,2-Dichloroethene	U		0.00665	0.0283	25	04/09/2018 13:27	WG1092919-3
trans-1,2-Dichloroethene	U		0.00747	0.0283	25	04/09/2018 13:27	WG1092919-3
1,2-Dichloropropane	U		0.0101	0.0283	25	04/09/2018 13:27	WG1092919-3
1,1-Dichloropropene	U		0.00896	0.0283	25	04/09/2018 13:27	WG1092919-3
1,3-Dichloropropane	U		0.00586	0.0283	25	04/09/2018 13:27	WG1092919-3
cis-1,3-Dichloropropene	U		0.00741	0.0283	25	04/09/2018 13:27	WG1092919-3
trans-1,3-Dichloropropene	U		0.00756	0.0283	25	04/09/2018 13:27	WG1092919-3
trans-1,4-Dichloro-2-butene	U	J0	0.0220	0.0707	25	04/09/2018 13:27	WG1092919-3
2,2-Dichloropropane	U		0.00790	0.0283	25	04/09/2018 13:27	WG1092919-3
Di-isopropyl ether	U	J0	0.00702	0.0283	25	04/09/2018 13:27	WG1092919-3
Ethylbenzene	U		0.00840	0.0283	25	04/09/2018 13:27	WG1092919-3

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Hexachloro-1,3-butadiene	U		0.00967	0.0283	25	04/09/2018 13:27	WG1092919-3
2-Hexanone	U		0.0387	0.283	25	04/09/2018 13:27	WG1092919-3
n-Hexane	U		0.00820	0.283	25	04/09/2018 13:27	WG1092919-3
Iodomethane	U		0.0715	0.283	25	04/09/2018 13:27	WG1092919-3
Isopropylbenzene	U		0.00688	0.0283	25	04/09/2018 13:27	WG1092919-3
p-Isopropyltoluene	U		0.00577	0.0283	25	04/09/2018 13:27	WG1092919-3
2-Butanone (MEK)	U	J0	0.132	0.283	25	04/09/2018 13:27	WG1092919-3
Methylene Chloride	U		0.0283	0.141	25	04/09/2018 13:27	WG1092919-3
4-Methyl-2-pentanone (MIBK)	U		0.0532	0.283	25	04/09/2018 13:27	WG1092919-3
Methyl tert-butyl ether	U		0.00600	0.0283	25	04/09/2018 13:27	WG1092919-3
Naphthalene	U		0.0283	0.141	25	04/09/2018 13:27	WG1092919-3
n-Propylbenzene	U		0.00583	0.0283	25	04/09/2018 13:27	WG1092919-3
Styrene	U		0.00662	0.0283	25	04/09/2018 13:27	WG1092919-3
1,1,1,2-Tetrachloroethane	U		0.00747	0.0283	25	04/09/2018 13:27	WG1092919-3
1,1,2,2-Tetrachloroethane	U		0.0103	0.0283	25	04/09/2018 13:27	WG1092919-3
1,1,2-Trichlorotrifluoroethane	U		0.0103	0.0283	25	04/09/2018 13:27	WG1092919-3
Tetrachloroethene	0.888		0.00781	0.0283	25	04/09/2018 13:27	WG1092919-3
Toluene	U		0.0122	0.141	25	04/09/2018 13:27	WG1092919-3
1,2,3-Trichlorobenzene	U		0.00866	0.0283	25	04/09/2018 13:27	WG1092919-3
1,2,4-Trichlorobenzene	U		0.0110	0.0283	25	04/09/2018 13:27	WG1092919-3
1,1,1-Trichloroethane	U		0.00809	0.0283	25	04/09/2018 13:27	WG1092919-3
1,1,2-Trichloroethane	U		0.00783	0.0283	25	04/09/2018 13:27	WG1092919-3
Trichloroethene	U		0.00790	0.0283	25	04/09/2018 13:27	WG1092919-3
Trichlorofluoromethane	U		0.0108	0.141	25	04/09/2018 13:27	WG1092919-3
1,2,3-Trichloropropane	U		0.0209	0.0707	25	04/09/2018 13:27	WG1092919-3
1,2,4-Trimethylbenzene	U		0.00597	0.0283	25	04/09/2018 13:27	WG1092919-3
1,2,3-Trimethylbenzene	U		0.00812	0.0283	25	04/09/2018 13:27	WG1092919-3
1,3,5-Trimethylbenzene	U		0.00752	0.0283	25	04/09/2018 13:27	WG1092919-3
Vinyl acetate	U	J0	0.0677	0.283	25	04/09/2018 13:27	WG1092919-3
Vinyl chloride	U		0.00824	0.0283	25	04/09/2018 13:27	WG1092919-3
Xylenes, Total	U		0.0197	0.0849	25	04/09/2018 13:27	WG1092919-3
(S) Toluene-d8	*113*			*80.0-120*		*04/09/2018 13:27*	WG1092919-3
(S) Dibromofluoromethane	*93.0*			*74.0-131*		*04/09/2018 13:27*	WG1092919-3
(S) 4-Bromofluorobenzene	*90.9*			*64.0-132*		*04/09/2018 13:27*	WG1092919-3

Sample Narrative:

L982183-03 WG1092919-3: Cannot be analyzed at a lower dilution due to high levels of target and non-target analytes.

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	86.7		1	04/05/2018 15:19	WG1094162

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	1.11		0.0391	0.115	1	04/03/2018 04:34	WG1092639
(S) a,a,a-Trifluorotoluene(FID)	*102*			*77.0-120*		*04/03/2018 04:34*	WG1092639

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U	J3	0.0115	0.0577	1	04/03/2018 20:37	WG1092919
Acrylonitrile	U		0.00206	0.0115	1	04/03/2018 20:37	WG1092919
Benzene	U		0.000311	0.00115	1	04/03/2018 20:37	WG1092919
Bromobenzene	U		0.000327	0.00115	1	04/03/2018 20:37	WG1092919
Bromodichloromethane	U		0.000293	0.00115	1	04/03/2018 20:37	WG1092919
Bromochloromethane	U		0.000450	0.00577	1	04/03/2018 20:37	WG1092919
Bromoform	U		0.000489	0.00115	1	04/03/2018 20:37	WG1092919
Bromomethane	U		0.00155	0.00577	1	04/03/2018 20:37	WG1092919
n-Butylbenzene	U		0.000298	0.00115	1	04/03/2018 20:37	WG1092919
sec-Butylbenzene	U		0.000232	0.00115	1	04/03/2018 20:37	WG1092919
tert-Butylbenzene	U		0.000238	0.00115	1	04/03/2018 20:37	WG1092919
Carbon disulfide	U	J3	0.000255	0.00115	1	04/03/2018 20:37	WG1092919
Carbon tetrachloride	U		0.000378	0.00115	1	04/03/2018 20:37	WG1092919
Chlorobenzene	U		0.000244	0.00115	1	04/03/2018 20:37	WG1092919
Chlorodibromomethane	U		0.000430	0.00115	1	04/03/2018 20:37	WG1092919
Chloroethane	U		0.00109	0.00577	1	04/03/2018 20:37	WG1092919
Chloroform	U		0.000264	0.00577	1	04/03/2018 20:37	WG1092919
Chloromethane	U	J3	0.000432	0.00288	1	04/03/2018 20:37	WG1092919
2-Chlorotoluene	U		0.000347	0.00115	1	04/03/2018 20:37	WG1092919
4-Chlorotoluene	U		0.000277	0.00115	1	04/03/2018 20:37	WG1092919
1,2-Dibromo-3-Chloropropane	U		0.00121	0.00577	1	04/03/2018 20:37	WG1092919
1,2-Dibromoethane	U		0.000396	0.00115	1	04/03/2018 20:37	WG1092919
Dibromomethane	U		0.000440	0.00115	1	04/03/2018 20:37	WG1092919
1,2-Dichlorobenzene	U		0.000352	0.00115	1	04/03/2018 20:37	WG1092919
1,3-Dichlorobenzene	U		0.000276	0.00115	1	04/03/2018 20:37	WG1092919
1,4-Dichlorobenzene	U		0.000261	0.00115	1	04/03/2018 20:37	WG1092919
Dichlorodifluoromethane	U	J3	0.000822	0.00577	1	04/03/2018 20:37	WG1092919
1,1-Dichloroethane	U		0.000229	0.00115	1	04/03/2018 20:37	WG1092919
1,2-Dichloroethane	U		0.000306	0.00115	1	04/03/2018 20:37	WG1092919
1,1-Dichloroethene	U	J3	0.000349	0.00115	1	04/03/2018 20:37	WG1092919
cis-1,2-Dichloroethene	U		0.000271	0.00115	1	04/03/2018 20:37	WG1092919
trans-1,2-Dichloroethene	U		0.000304	0.00115	1	04/03/2018 20:37	WG1092919
1,2-Dichloropropane	U		0.000413	0.00115	1	04/03/2018 20:37	WG1092919
1,1-Dichloropropene	U		0.000366	0.00115	1	04/03/2018 20:37	WG1092919
1,3-Dichloropropane	U		0.000239	0.00115	1	04/03/2018 20:37	WG1092919
cis-1,3-Dichloropropene	U		0.000302	0.00115	1	04/03/2018 20:37	WG1092919
trans-1,3-Dichloropropene	U		0.000308	0.00115	1	04/03/2018 20:37	WG1092919
trans-1,4-Dichloro-2-butene	U		0.000897	0.00288	1	04/03/2018 20:37	WG1092919
2,2-Dichloropropane	U		0.000322	0.00115	1	04/03/2018 20:37	WG1092919
Di-isopropyl ether	U		0.000286	0.00115	1	04/03/2018 20:37	WG1092919
Ethylbenzene	U		0.000342	0.00115	1	04/03/2018 20:37	WG1092919
Hexachloro-1,3-butadiene	U		0.000394	0.00115	1	04/03/2018 20:37	WG1092919
2-Hexanone	U	J3	0.00158	0.0115	1	04/03/2018 20:37	WG1092919
n-Hexane	U	J3	0.000334	0.0115	1	04/03/2018 20:37	WG1092919

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Iodomethane	U	J3	0.00292	0.0115	1	04/03/2018 20:37	WG1092919
Isopropylbenzene	U		0.000280	0.00115	1	04/03/2018 20:37	WG1092919
p-Isopropyltoluene	U		0.000235	0.00115	1	04/03/2018 20:37	WG1092919
2-Butanone (MEK)	U	J3	0.00540	0.0115	1	04/03/2018 20:37	WG1092919
Methylene Chloride	U		0.00115	0.00577	1	04/03/2018 20:37	WG1092919
4-Methyl-2-pentanone (MIBK)	U		0.00217	0.0115	1	04/03/2018 20:37	WG1092919
Methyl tert-butyl ether	U		0.000244	0.00115	1	04/03/2018 20:37	WG1092919
Naphthalene	U		0.00115	0.00577	1	04/03/2018 20:37	WG1092919
n-Propylbenzene	U		0.000238	0.00115	1	04/03/2018 20:37	WG1092919
Styrene	U		0.000270	0.00115	1	04/03/2018 20:37	WG1092919
1,1,1,2-Tetrachloroethane	U		0.000304	0.00115	1	04/03/2018 20:37	WG1092919
1,1,2,2-Tetrachloroethane	U		0.000421	0.00115	1	04/03/2018 20:37	WG1092919
1,1,2-Trichlorotrifluoroethane	U		0.000421	0.00115	1	04/03/2018 20:37	WG1092919
Tetrachloroethene	25.3		0.796	2.88	2500	04/08/2018 18:37	WG1092919-1
Toluene	U		0.000500	0.00577	1	04/03/2018 20:37	WG1092919
1,2,3-Trichlorobenzene	U		0.000353	0.00115	1	04/03/2018 20:37	WG1092919
1,2,4-Trichlorobenzene	U		0.000447	0.00115	1	04/03/2018 20:37	WG1092919
1,1,1-Trichloroethane	U		0.000330	0.00115	1	04/03/2018 20:37	WG1092919
1,1,2-Trichloroethane	U		0.000319	0.00115	1	04/03/2018 20:37	WG1092919
Trichloroethene	0.0563		0.000322	0.00115	1	04/03/2018 20:37	WG1092919
Trichlorofluoromethane	U		0.000440	0.00577	1	04/03/2018 20:37	WG1092919
1,2,3-Trichloropropane	U		0.000854	0.00288	1	04/03/2018 20:37	WG1092919
1,2,4-Trimethylbenzene	U		0.000243	0.00115	1	04/03/2018 20:37	WG1092919
1,2,3-Trimethylbenzene	U		0.000331	0.00115	1	04/03/2018 20:37	WG1092919
1,3,5-Trimethylbenzene	U		0.000307	0.00115	1	04/03/2018 20:37	WG1092919
Vinyl acetate	U		0.00276	0.0115	1	04/03/2018 20:37	WG1092919
Vinyl chloride	U	J3	0.000336	0.00115	1	04/03/2018 20:37	WG1092919
Xylenes, Total	U		0.000805	0.00346	1	04/03/2018 20:37	WG1092919
(S) Toluene-d8	*101*			*80.0-120*		*04/03/2018 20:37*	WG1092919
(S) Toluene-d8	*104*			*80.0-120*		*04/08/2018 18:37*	WG1092919-1
(S) Dibromofluoromethane	*109*			*74.0-131*		*04/03/2018 20:37*	WG1092919
(S) Dibromofluoromethane	*113*			*74.0-131*		*04/08/2018 18:37*	WG1092919-1
(S) 4-Bromofluorobenzene	*142*	J1		*64.0-132*		*04/03/2018 20:37*	WG1092919
(S) 4-Bromofluorobenzene	*93.2*			*64.0-132*		*04/08/2018 18:37*	WG1092919-1

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	89.7		1	04/05/2018 15:19	WG1094162

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	0.568		0.0378	0.111	1	04/03/2018 04:58	WG1092639
(S) a,a,a-Trifluorotoluene(FID)	*103*			*77.0-120*		*04/03/2018 04:58*	WG1092639

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U	J3	0.0111	0.0557	1	04/03/2018 20:58	WG1092919
Acrylonitrile	U		0.00199	0.0111	1	04/03/2018 20:58	WG1092919
Benzene	U		0.000301	0.00111	1	04/03/2018 20:58	WG1092919
Bromobenzene	U		0.000316	0.00111	1	04/03/2018 20:58	WG1092919
Bromodichloromethane	U		0.000283	0.00111	1	04/03/2018 20:58	WG1092919
Bromochloromethane	U		0.000435	0.00557	1	04/03/2018 20:58	WG1092919
Bromoform	U		0.000472	0.00111	1	04/03/2018 20:58	WG1092919
Bromomethane	U		0.00149	0.00557	1	04/03/2018 20:58	WG1092919
n-Butylbenzene	U		0.000288	0.00111	1	04/03/2018 20:58	WG1092919
sec-Butylbenzene	U		0.000224	0.00111	1	04/03/2018 20:58	WG1092919
tert-Butylbenzene	U		0.000230	0.00111	1	04/03/2018 20:58	WG1092919
Carbon disulfide	U	J3	0.000246	0.00111	1	04/03/2018 20:58	WG1092919
Carbon tetrachloride	U		0.000366	0.00111	1	04/03/2018 20:58	WG1092919
Chlorobenzene	U		0.000236	0.00111	1	04/03/2018 20:58	WG1092919
Chlorodibromomethane	U		0.000416	0.00111	1	04/03/2018 20:58	WG1092919
Chloroethane	U		0.00105	0.00557	1	04/03/2018 20:58	WG1092919
Chloroform	U		0.000255	0.00557	1	04/03/2018 20:58	WG1092919
Chloromethane	U	J3	0.000418	0.00279	1	04/03/2018 20:58	WG1092919
2-Chlorotoluene	U		0.000335	0.00111	1	04/03/2018 20:58	WG1092919
4-Chlorotoluene	U		0.000267	0.00111	1	04/03/2018 20:58	WG1092919
1,2-Dibromo-3-Chloropropane	U		0.00117	0.00557	1	04/03/2018 20:58	WG1092919
1,2-Dibromoethane	U		0.000382	0.00111	1	04/03/2018 20:58	WG1092919
Dibromomethane	U		0.000426	0.00111	1	04/03/2018 20:58	WG1092919
1,2-Dichlorobenzene	U		0.000340	0.00111	1	04/03/2018 20:58	WG1092919
1,3-Dichlorobenzene	U		0.000266	0.00111	1	04/03/2018 20:58	WG1092919
1,4-Dichlorobenzene	U		0.000252	0.00111	1	04/03/2018 20:58	WG1092919
Dichlorodifluoromethane	U	J3	0.000795	0.00557	1	04/03/2018 20:58	WG1092919
1,1-Dichloroethane	U		0.000222	0.00111	1	04/03/2018 20:58	WG1092919
1,2-Dichloroethane	U		0.000295	0.00111	1	04/03/2018 20:58	WG1092919
1,1-Dichloroethene	U	J3	0.000338	0.00111	1	04/03/2018 20:58	WG1092919
cis-1,2-Dichloroethene	U		0.000262	0.00111	1	04/03/2018 20:58	WG1092919
trans-1,2-Dichloroethene	U		0.000294	0.00111	1	04/03/2018 20:58	WG1092919
1,2-Dichloropropane	U		0.000399	0.00111	1	04/03/2018 20:58	WG1092919
1,1-Dichloropropene	U		0.000353	0.00111	1	04/03/2018 20:58	WG1092919
1,3-Dichloropropane	U		0.000231	0.00111	1	04/03/2018 20:58	WG1092919
cis-1,3-Dichloropropene	U		0.000292	0.00111	1	04/03/2018 20:58	WG1092919
trans-1,3-Dichloropropene	U		0.000298	0.00111	1	04/03/2018 20:58	WG1092919
trans-1,4-Dichloro-2-butene	U		0.000867	0.00279	1	04/03/2018 20:58	WG1092919
2,2-Dichloropropane	U		0.000311	0.00111	1	04/03/2018 20:58	WG1092919
Di-isopropyl ether	U		0.000276	0.00111	1	04/03/2018 20:58	WG1092919
Ethylbenzene	U		0.000331	0.00111	1	04/03/2018 20:58	WG1092919
Hexachloro-1,3-butadiene	U		0.000381	0.00111	1	04/03/2018 20:58	WG1092919
2-Hexanone	U	J3	0.00153	0.0111	1	04/03/2018 20:58	WG1092919
n-Hexane	0.0248	J3	0.000323	0.0111	1	04/03/2018 20:58	WG1092919

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Iodomethane	U	J3	0.00282	0.0111	1	04/03/2018 20:58	WG1092919
Isopropylbenzene	U		0.000271	0.00111	1	04/03/2018 20:58	WG1092919
p-Isopropyltoluene	U		0.000227	0.00111	1	04/03/2018 20:58	WG1092919
2-Butanone (MEK)	U	J3	0.00522	0.0111	1	04/03/2018 20:58	WG1092919
Methylene Chloride	U		0.00111	0.00557	1	04/03/2018 20:58	WG1092919
4-Methyl-2-pentanone (MIBK)	U		0.00210	0.0111	1	04/03/2018 20:58	WG1092919
Methyl tert-butyl ether	U		0.000236	0.00111	1	04/03/2018 20:58	WG1092919
Naphthalene	U		0.00111	0.00557	1	04/03/2018 20:58	WG1092919
n-Propylbenzene	U		0.000230	0.00111	1	04/03/2018 20:58	WG1092919
Styrene	U		0.000261	0.00111	1	04/03/2018 20:58	WG1092919
1,1,1,2-Tetrachloroethane	U		0.000294	0.00111	1	04/03/2018 20:58	WG1092919
1,1,2,2-Tetrachloroethane	U		0.000407	0.00111	1	04/03/2018 20:58	WG1092919
1,1,2-Trichlorotrifluoroethane	U		0.000407	0.00111	1	04/03/2018 20:58	WG1092919
Tetrachloroethene	6.66		0.0615	0.223	200	04/08/2018 19:23	WG1092919-1
Toluene	U		0.000484	0.00557	1	04/03/2018 20:58	WG1092919
1,2,3-Trichlorobenzene	U		0.000341	0.00111	1	04/03/2018 20:58	WG1092919
1,2,4-Trichlorobenzene	U		0.000432	0.00111	1	04/03/2018 20:58	WG1092919
1,1,1-Trichloroethane	U		0.000319	0.00111	1	04/03/2018 20:58	WG1092919
1,1,2-Trichloroethane	U		0.000309	0.00111	1	04/03/2018 20:58	WG1092919
Trichloroethene	0.0547		0.000311	0.00111	1	04/03/2018 20:58	WG1092919
Trichlorofluoromethane	U		0.000426	0.00557	1	04/03/2018 20:58	WG1092919
1,2,3-Trichloropropane	U		0.000826	0.00279	1	04/03/2018 20:58	WG1092919
1,2,4-Trimethylbenzene	U		0.000235	0.00111	1	04/03/2018 20:58	WG1092919
1,2,3-Trimethylbenzene	U		0.000320	0.00111	1	04/03/2018 20:58	WG1092919
1,3,5-Trimethylbenzene	U		0.000296	0.00111	1	04/03/2018 20:58	WG1092919
Vinyl acetate	U		0.00266	0.0111	1	04/03/2018 20:58	WG1092919
Vinyl chloride	U	J3	0.000324	0.00111	1	04/03/2018 20:58	WG1092919
Xylenes, Total	U		0.000778	0.00334	1	04/03/2018 20:58	WG1092919
(S) Toluene-d8	*102*			*80.0-120*		*04/03/2018 20:58*	WG1092919
(S) Toluene-d8	*103*			*80.0-120*		*04/08/2018 19:23*	WG1092919-1
(S) Dibromofluoromethane	*102*			*74.0-131*		*04/03/2018 20:58*	WG1092919
(S) Dibromofluoromethane	*110*			*74.0-131*		*04/08/2018 19:23*	WG1092919-1
(S) 4-Bromofluorobenzene	*110*			*64.0-132*		*04/03/2018 20:58*	WG1092919
(S) 4-Bromofluorobenzene	*93.4*			*64.0-132*		*04/08/2018 19:23*	WG1092919-1

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	91.8		1	04/05/2018 15:19	WG1094162

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	0.586		0.0369	0.109	1	04/03/2018 05:22	WG1092639
(S) a,a,a-Trifluorotoluene(FID)	*103*			*77.0-120*		*04/03/2018 05:22*	WG1092639

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U	J3	0.0109	0.0545	1	04/03/2018 21:19	WG1092919
Acrylonitrile	U		0.00195	0.0109	1	04/03/2018 21:19	WG1092919
Benzene	U		0.000294	0.00109	1	04/03/2018 21:19	WG1092919
Bromobenzene	U		0.000309	0.00109	1	04/03/2018 21:19	WG1092919
Bromodichloromethane	U		0.000277	0.00109	1	04/03/2018 21:19	WG1092919
Bromochloromethane	U		0.000425	0.00545	1	04/03/2018 21:19	WG1092919
Bromoform	U		0.000462	0.00109	1	04/03/2018 21:19	WG1092919
Bromomethane	U		0.00146	0.00545	1	04/03/2018 21:19	WG1092919
n-Butylbenzene	U		0.000281	0.00109	1	04/03/2018 21:19	WG1092919
sec-Butylbenzene	U		0.000219	0.00109	1	04/03/2018 21:19	WG1092919
tert-Butylbenzene	U		0.000224	0.00109	1	04/03/2018 21:19	WG1092919
Carbon disulfide	U	J3	0.000241	0.00109	1	04/03/2018 21:19	WG1092919
Carbon tetrachloride	U		0.000357	0.00109	1	04/03/2018 21:19	WG1092919
Chlorobenzene	U		0.000231	0.00109	1	04/03/2018 21:19	WG1092919
Chlorodibromomethane	U		0.000406	0.00109	1	04/03/2018 21:19	WG1092919
Chloroethane	U		0.00103	0.00545	1	04/03/2018 21:19	WG1092919
Chloroform	U		0.000249	0.00545	1	04/03/2018 21:19	WG1092919
Chloromethane	U	J3	0.000408	0.00272	1	04/03/2018 21:19	WG1092919
2-Chlorotoluene	U		0.000328	0.00109	1	04/03/2018 21:19	WG1092919
4-Chlorotoluene	U		0.000261	0.00109	1	04/03/2018 21:19	WG1092919
1,2-Dibromo-3-Chloropropane	U		0.00114	0.00545	1	04/03/2018 21:19	WG1092919
1,2-Dibromoethane	U		0.000374	0.00109	1	04/03/2018 21:19	WG1092919
Dibromomethane	U		0.000416	0.00109	1	04/03/2018 21:19	WG1092919
1,2-Dichlorobenzene	U		0.000332	0.00109	1	04/03/2018 21:19	WG1092919
1,3-Dichlorobenzene	U		0.000260	0.00109	1	04/03/2018 21:19	WG1092919
1,4-Dichlorobenzene	U		0.000246	0.00109	1	04/03/2018 21:19	WG1092919
Dichlorodifluoromethane	U	J3	0.000776	0.00545	1	04/03/2018 21:19	WG1092919
1,1-Dichloroethane	U		0.000217	0.00109	1	04/03/2018 21:19	WG1092919
1,2-Dichloroethane	U		0.000289	0.00109	1	04/03/2018 21:19	WG1092919
1,1-Dichloroethene	U	J3	0.000330	0.00109	1	04/03/2018 21:19	WG1092919
cis-1,2-Dichloroethene	U		0.000256	0.00109	1	04/03/2018 21:19	WG1092919
trans-1,2-Dichloroethene	U		0.000287	0.00109	1	04/03/2018 21:19	WG1092919
1,2-Dichloropropane	U		0.000390	0.00109	1	04/03/2018 21:19	WG1092919
1,1-Dichloropropene	U		0.000345	0.00109	1	04/03/2018 21:19	WG1092919
1,3-Dichloropropane	U		0.000225	0.00109	1	04/03/2018 21:19	WG1092919
cis-1,3-Dichloropropene	U		0.000285	0.00109	1	04/03/2018 21:19	WG1092919
trans-1,3-Dichloropropene	U		0.000291	0.00109	1	04/03/2018 21:19	WG1092919
trans-1,4-Dichloro-2-butene	U		0.000847	0.00272	1	04/03/2018 21:19	WG1092919
2,2-Dichloropropane	U		0.000304	0.00109	1	04/03/2018 21:19	WG1092919
Di-isopropyl ether	U		0.000270	0.00109	1	04/03/2018 21:19	WG1092919
Ethylbenzene	U		0.000323	0.00109	1	04/03/2018 21:19	WG1092919
Hexachloro-1,3-butadiene	U		0.000372	0.00109	1	04/03/2018 21:19	WG1092919
2-Hexanone	U	J3	0.00149	0.0109	1	04/03/2018 21:19	WG1092919
n-Hexane	U	J3	0.000316	0.0109	1	04/03/2018 21:19	WG1092919

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Iodomethane	U	J3	0.00276	0.0109	1	04/03/2018 21:19	WG1092919
Isopropylbenzene	U		0.000265	0.00109	1	04/03/2018 21:19	WG1092919
p-Isopropyltoluene	U		0.000222	0.00109	1	04/03/2018 21:19	WG1092919
2-Butanone (MEK)	U	J3	0.00510	0.0109	1	04/03/2018 21:19	WG1092919
Methylene Chloride	U		0.00109	0.00545	1	04/03/2018 21:19	WG1092919
4-Methyl-2-pentanone (MIBK)	U		0.00205	0.0109	1	04/03/2018 21:19	WG1092919
Methyl tert-butyl ether	U		0.000231	0.00109	1	04/03/2018 21:19	WG1092919
Naphthalene	U		0.00109	0.00545	1	04/03/2018 21:19	WG1092919
n-Propylbenzene	U		0.000224	0.00109	1	04/03/2018 21:19	WG1092919
Styrene	U		0.000255	0.00109	1	04/03/2018 21:19	WG1092919
1,1,1,2-Tetrachloroethane	U		0.000287	0.00109	1	04/03/2018 21:19	WG1092919
1,1,2,2-Tetrachloroethane	U		0.000397	0.00109	1	04/03/2018 21:19	WG1092919
1,1,2-Trichlorotrifluoroethane	U		0.000397	0.00109	1	04/03/2018 21:19	WG1092919
Tetrachloroethene	6.12		0.0601	0.218	200	04/08/2018 19:46	WG1092919-1
Toluene	U		0.000473	0.00545	1	04/03/2018 21:19	WG1092919
1,2,3-Trichlorobenzene	U		0.000333	0.00109	1	04/03/2018 21:19	WG1092919
1,2,4-Trichlorobenzene	U		0.000423	0.00109	1	04/03/2018 21:19	WG1092919
1,1,1-Trichloroethane	U		0.000311	0.00109	1	04/03/2018 21:19	WG1092919
1,1,2-Trichloroethane	U		0.000302	0.00109	1	04/03/2018 21:19	WG1092919
Trichloroethene	0.0763		0.000304	0.00109	1	04/03/2018 21:19	WG1092919
Trichlorofluoromethane	U		0.000416	0.00545	1	04/03/2018 21:19	WG1092919
1,2,3-Trichloropropane	U		0.000807	0.00272	1	04/03/2018 21:19	WG1092919
1,2,4-Trimethylbenzene	U		0.000230	0.00109	1	04/03/2018 21:19	WG1092919
1,2,3-Trimethylbenzene	U		0.000313	0.00109	1	04/03/2018 21:19	WG1092919
1,3,5-Trimethylbenzene	U		0.000290	0.00109	1	04/03/2018 21:19	WG1092919
Vinyl acetate	U		0.00260	0.0109	1	04/03/2018 21:19	WG1092919
Vinyl chloride	U	J3	0.000317	0.00109	1	04/03/2018 21:19	WG1092919
Xylenes, Total	U		0.000760	0.00327	1	04/03/2018 21:19	WG1092919
(S) Toluene-d8	*102*			*80.0-120*		*04/03/2018 21:19*	WG1092919
(S) Toluene-d8	*103*			*80.0-120*		*04/08/2018 19:46*	WG1092919-1
(S) Dibromofluoromethane	*98.2*			*74.0-131*		*04/03/2018 21:19*	WG1092919
(S) Dibromofluoromethane	*109*			*74.0-131*		*04/08/2018 19:46*	WG1092919-1
(S) 4-Bromofluorobenzene	*109*			*64.0-132*		*04/03/2018 21:19*	WG1092919
(S) 4-Bromofluorobenzene	*95.8*			*64.0-132*		*04/08/2018 19:46*	WG1092919-1

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	90.3		1	04/05/2018 15:19	WG1094162

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	0.491		0.0376	0.111	1	04/03/2018 05:46	WG1092639
(S) a,a,a-Trifluorotoluene(FID)	*102*			*77.0-120*		*04/03/2018 05:46*	WG1092639

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0111	0.0554	1	04/04/2018 16:57	WG1093155
Acrylonitrile	U		0.00198	0.0111	1	04/04/2018 16:57	WG1093155
Benzene	U		0.000299	0.00111	1	04/04/2018 16:57	WG1093155
Bromobenzene	U		0.000315	0.00111	1	04/04/2018 16:57	WG1093155
Bromodichloromethane	U		0.000281	0.00111	1	04/04/2018 16:57	WG1093155
Bromochloromethane	U		0.000432	0.00554	1	04/04/2018 16:57	WG1093155
Bromoform	U		0.000470	0.00111	1	04/04/2018 16:57	WG1093155
Bromomethane	U	J0	0.00148	0.00554	1	04/04/2018 16:57	WG1093155
n-Butylbenzene	U		0.000286	0.00111	1	04/04/2018 16:57	WG1093155
sec-Butylbenzene	U		0.000223	0.00111	1	04/04/2018 16:57	WG1093155
tert-Butylbenzene	U		0.000228	0.00111	1	04/04/2018 16:57	WG1093155
Carbon disulfide	0.00114		0.000245	0.00111	1	04/04/2018 16:57	WG1093155
Carbon tetrachloride	U		0.000363	0.00111	1	04/04/2018 16:57	WG1093155
Chlorobenzene	U		0.000235	0.00111	1	04/04/2018 16:57	WG1093155
Chlorodibromomethane	U		0.000413	0.00111	1	04/04/2018 16:57	WG1093155
Chloroethane	U	J0	0.00105	0.00554	1	04/04/2018 16:57	WG1093155
Chloroform	0.000274	J	0.000254	0.00554	1	04/04/2018 16:57	WG1093155
Chloromethane	U		0.000415	0.00277	1	04/04/2018 16:57	WG1093155
2-Chlorotoluene	U		0.000333	0.00111	1	04/04/2018 16:57	WG1093155
4-Chlorotoluene	U		0.000266	0.00111	1	04/04/2018 16:57	WG1093155
1,2-Dibromo-3-Chloropropane	U		0.00116	0.00554	1	04/04/2018 16:57	WG1093155
1,2-Dibromoethane	U		0.000380	0.00111	1	04/04/2018 16:57	WG1093155
Dibromomethane	U		0.000423	0.00111	1	04/04/2018 16:57	WG1093155
1,2-Dichlorobenzene	U		0.000338	0.00111	1	04/04/2018 16:57	WG1093155
1,3-Dichlorobenzene	U		0.000265	0.00111	1	04/04/2018 16:57	WG1093155
1,4-Dichlorobenzene	U		0.000250	0.00111	1	04/04/2018 16:57	WG1093155
Dichlorodifluoromethane	U		0.000790	0.00554	1	04/04/2018 16:57	WG1093155
1,1-Dichloroethane	U		0.000220	0.00111	1	04/04/2018 16:57	WG1093155
1,2-Dichloroethane	U		0.000294	0.00111	1	04/04/2018 16:57	WG1093155
1,1-Dichloroethene	0.000700	J	0.000336	0.00111	1	04/04/2018 16:57	WG1093155
cis-1,2-Dichloroethene	0.0121		0.000260	0.00111	1	04/04/2018 16:57	WG1093155
trans-1,2-Dichloroethene	U		0.000292	0.00111	1	04/04/2018 16:57	WG1093155
1,2-Dichloropropane	U		0.000397	0.00111	1	04/04/2018 16:57	WG1093155
1,1-Dichloropropene	U		0.000351	0.00111	1	04/04/2018 16:57	WG1093155
1,3-Dichloropropane	U		0.000229	0.00111	1	04/04/2018 16:57	WG1093155
cis-1,3-Dichloropropene	U		0.000290	0.00111	1	04/04/2018 16:57	WG1093155
trans-1,3-Dichloropropene	U		0.000296	0.00111	1	04/04/2018 16:57	WG1093155
trans-1,4-Dichloro-2-butene	U		0.000862	0.00277	1	04/04/2018 16:57	WG1093155
2,2-Dichloropropane	U		0.000309	0.00111	1	04/04/2018 16:57	WG1093155
Di-isopropyl ether	U		0.000275	0.00111	1	04/04/2018 16:57	WG1093155
Ethylbenzene	U		0.000329	0.00111	1	04/04/2018 16:57	WG1093155
Hexachloro-1,3-butadiene	U		0.000379	0.00111	1	04/04/2018 16:57	WG1093155
2-Hexanone	U		0.00152	0.0111	1	04/04/2018 16:57	WG1093155
n-Hexane	U		0.000321	0.0111	1	04/04/2018 16:57	WG1093155

Volatile Organic Compounds (GC/MS) by Method 8260C

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg		date / time	
Iodomethane	U		0.00280	0.0111	1	04/04/2018 16:57	WG1093155
Isopropylbenzene	U		0.000269	0.00111	1	04/04/2018 16:57	WG1093155
p-Isopropyltoluene	U		0.000226	0.00111	1	04/04/2018 16:57	WG1093155
2-Butanone (MEK)	U		0.00518	0.0111	1	04/04/2018 16:57	WG1093155
Methylene Chloride	U		0.00111	0.00554	1	04/04/2018 16:57	WG1093155
4-Methyl-2-pentanone (MIBK)	U		0.00208	0.0111	1	04/04/2018 16:57	WG1093155
Methyl tert-butyl ether	U		0.000235	0.00111	1	04/04/2018 16:57	WG1093155
Naphthalene	U		0.00111	0.00554	1	04/04/2018 16:57	WG1093155
n-Propylbenzene	U		0.000228	0.00111	1	04/04/2018 16:57	WG1093155
Styrene	U		0.000259	0.00111	1	04/04/2018 16:57	WG1093155
1,1,1,2-Tetrachloroethane	U		0.000292	0.00111	1	04/04/2018 16:57	WG1093155
1,1,2,2-Tetrachloroethane	U		0.000404	0.00111	1	04/04/2018 16:57	WG1093155
1,1,2-Trichlorotrifluoroethane	U		0.000404	0.00111	1	04/04/2018 16:57	WG1093155
Tetrachloroethene	11.0		0.0306	0.111	100	04/06/2018 16:44	WG1093155
Toluene	U		0.000481	0.00554	1	04/04/2018 16:57	WG1093155
1,2,3-Trichlorobenzene	U		0.000339	0.00111	1	04/04/2018 16:57	WG1093155
1,2,4-Trichlorobenzene	U		0.000430	0.00111	1	04/04/2018 16:57	WG1093155
1,1,1-Trichloroethane	U		0.000317	0.00111	1	04/04/2018 16:57	WG1093155
1,1,2-Trichloroethane	U		0.000307	0.00111	1	04/04/2018 16:57	WG1093155
Trichloroethene	0.0967		0.000309	0.00111	1	04/04/2018 16:57	WG1093155
Trichlorofluoromethane	U		0.000423	0.00554	1	04/04/2018 16:57	WG1093155
1,2,3-Trichloropropane	U		0.000821	0.00277	1	04/04/2018 16:57	WG1093155
1,2,4-Trimethylbenzene	U		0.000234	0.00111	1	04/04/2018 16:57	WG1093155
1,2,3-Trimethylbenzene	U		0.000318	0.00111	1	04/04/2018 16:57	WG1093155
1,3,5-Trimethylbenzene	U		0.000295	0.00111	1	04/04/2018 16:57	WG1093155
Vinyl acetate	U		0.00265	0.0111	1	04/04/2018 16:57	WG1093155
Vinyl chloride	U		0.000322	0.00111	1	04/04/2018 16:57	WG1093155
Xylenes, Total	U		0.000773	0.00332	1	04/04/2018 16:57	WG1093155
(S) Toluene-d8	*103*			*80.0-120*		*04/04/2018 16:57*	WG1093155
(S) Toluene-d8	*111*			*80.0-120*		*04/06/2018 16:44*	WG1093155
(S) Dibromofluoromethane	*101*			*74.0-131*		*04/04/2018 16:57*	WG1093155
(S) Dibromofluoromethane	*105*			*74.0-131*		*04/06/2018 16:44*	WG1093155
(S) 4-Bromofluorobenzene	*98.8*			*64.0-132*		*04/06/2018 16:44*	WG1093155
(S) 4-Bromofluorobenzene	*101*			*64.0-132*		*04/04/2018 16:57*	WG1093155

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	91.5		1	04/05/2018 15:19	WG1094162

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	0.724		0.0370	0.109	1	04/08/2018 22:37	WG1092639
(S) a,a,a-Trifluorotoluene(FID)	*100*			*77.0-120*		*04/08/2018 22:37*	WG1092639

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0109	0.0546	1	04/04/2018 17:18	WG1093155
Acrylonitrile	U		0.00196	0.0109	1	04/04/2018 17:18	WG1093155
Benzene	U		0.000295	0.00109	1	04/04/2018 17:18	WG1093155
Bromobenzene	U		0.000310	0.00109	1	04/04/2018 17:18	WG1093155
Bromodichloromethane	U		0.000278	0.00109	1	04/04/2018 17:18	WG1093155
Bromochloromethane	U		0.000426	0.00546	1	04/04/2018 17:18	WG1093155
Bromoform	U		0.000463	0.00109	1	04/04/2018 17:18	WG1093155
Bromomethane	U	J0	0.00146	0.00546	1	04/04/2018 17:18	WG1093155
n-Butylbenzene	U		0.000282	0.00109	1	04/04/2018 17:18	WG1093155
sec-Butylbenzene	U		0.000220	0.00109	1	04/04/2018 17:18	WG1093155
tert-Butylbenzene	U		0.000225	0.00109	1	04/04/2018 17:18	WG1093155
Carbon disulfide	0.00163		0.000242	0.00109	1	04/04/2018 17:18	WG1093155
Carbon tetrachloride	U		0.000358	0.00109	1	04/04/2018 17:18	WG1093155
Chlorobenzene	U		0.000232	0.00109	1	04/04/2018 17:18	WG1093155
Chlorodibromomethane	U		0.000408	0.00109	1	04/04/2018 17:18	WG1093155
Chloroethane	U	J0	0.00103	0.00546	1	04/04/2018 17:18	WG1093155
Chloroform	U		0.000250	0.00546	1	04/04/2018 17:18	WG1093155
Chloromethane	U		0.000410	0.00273	1	04/04/2018 17:18	WG1093155
2-Chlorotoluene	U		0.000329	0.00109	1	04/04/2018 17:18	WG1093155
4-Chlorotoluene	U		0.000262	0.00109	1	04/04/2018 17:18	WG1093155
1,2-Dibromo-3-Chloropropane	U		0.00115	0.00546	1	04/04/2018 17:18	WG1093155
1,2-Dibromoethane	U		0.000375	0.00109	1	04/04/2018 17:18	WG1093155
Dibromomethane	U		0.000417	0.00109	1	04/04/2018 17:18	WG1093155
1,2-Dichlorobenzene	U		0.000333	0.00109	1	04/04/2018 17:18	WG1093155
1,3-Dichlorobenzene	U		0.000261	0.00109	1	04/04/2018 17:18	WG1093155
1,4-Dichlorobenzene	U		0.000247	0.00109	1	04/04/2018 17:18	WG1093155
Dichlorodifluoromethane	U		0.000779	0.00546	1	04/04/2018 17:18	WG1093155
1,1-Dichloroethane	U		0.000217	0.00109	1	04/04/2018 17:18	WG1093155
1,2-Dichloroethane	U		0.000290	0.00109	1	04/04/2018 17:18	WG1093155
1,1-Dichloroethene	0.00399		0.000331	0.00109	1	04/04/2018 17:18	WG1093155
cis-1,2-Dichloroethene	1.40		0.0514	0.219	200	04/06/2018 17:04	WG1093155
trans-1,2-Dichloroethene	0.000783	J	0.000288	0.00109	1	04/04/2018 17:18	WG1093155
1,2-Dichloropropane	U		0.000391	0.00109	1	04/04/2018 17:18	WG1093155
1,1-Dichloropropene	U		0.000346	0.00109	1	04/04/2018 17:18	WG1093155
1,3-Dichloropropane	U		0.000226	0.00109	1	04/04/2018 17:18	WG1093155
cis-1,3-Dichloropropene	U		0.000286	0.00109	1	04/04/2018 17:18	WG1093155
trans-1,3-Dichloropropene	U		0.000292	0.00109	1	04/04/2018 17:18	WG1093155
trans-1,4-Dichloro-2-butene	U		0.000850	0.00273	1	04/04/2018 17:18	WG1093155
2,2-Dichloropropane	U		0.000305	0.00109	1	04/04/2018 17:18	WG1093155
Di-isopropyl ether	U		0.000271	0.00109	1	04/04/2018 17:18	WG1093155
Ethylbenzene	U		0.000325	0.00109	1	04/04/2018 17:18	WG1093155
Hexachloro-1,3-butadiene	U		0.000374	0.00109	1	04/04/2018 17:18	WG1093155
2-Hexanone	U		0.00150	0.0109	1	04/04/2018 17:18	WG1093155
n-Hexane	U		0.000317	0.0109	1	04/04/2018 17:18	WG1093155

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Iodomethane	U		0.00276	0.0109	1	04/04/2018 17:18	WG1093155
Isopropylbenzene	U		0.000266	0.00109	1	04/04/2018 17:18	WG1093155
p-Isopropyltoluene	U		0.000223	0.00109	1	04/04/2018 17:18	WG1093155
2-Butanone (MEK)	U		0.00511	0.0109	1	04/04/2018 17:18	WG1093155
Methylene Chloride	U		0.00109	0.00546	1	04/04/2018 17:18	WG1093155
4-Methyl-2-pentanone (MIBK)	U		0.00205	0.0109	1	04/04/2018 17:18	WG1093155
Methyl tert-butyl ether	U		0.000232	0.00109	1	04/04/2018 17:18	WG1093155
Naphthalene	U		0.00109	0.00546	1	04/04/2018 17:18	WG1093155
n-Propylbenzene	U		0.000225	0.00109	1	04/04/2018 17:18	WG1093155
Styrene	U		0.000256	0.00109	1	04/04/2018 17:18	WG1093155
1,1,1,2-Tetrachloroethane	U		0.000288	0.00109	1	04/04/2018 17:18	WG1093155
1,1,2,2-Tetrachloroethane	U		0.000399	0.00109	1	04/04/2018 17:18	WG1093155
1,1,2-Trichlorotrifluoroethane	U		0.000399	0.00109	1	04/04/2018 17:18	WG1093155
Tetrachloroethene	9.04		0.0603	0.219	200	04/06/2018 17:04	WG1093155
Toluene	U		0.000474	0.00546	1	04/04/2018 17:18	WG1093155
1,2,3-Trichlorobenzene	U		0.000334	0.00109	1	04/04/2018 17:18	WG1093155
1,2,4-Trichlorobenzene	U		0.000424	0.00109	1	04/04/2018 17:18	WG1093155
1,1,1-Trichloroethane	U		0.000313	0.00109	1	04/04/2018 17:18	WG1093155
1,1,2-Trichloroethane	U		0.000303	0.00109	1	04/04/2018 17:18	WG1093155
Trichloroethene	0.834		0.0610	0.219	200	04/06/2018 17:04	WG1093155
Trichlorofluoromethane	U		0.000417	0.00546	1	04/04/2018 17:18	WG1093155
1,2,3-Trichloropropane	U		0.000810	0.00273	1	04/04/2018 17:18	WG1093155
1,2,4-Trimethylbenzene	U		0.000231	0.00109	1	04/04/2018 17:18	WG1093155
1,2,3-Trimethylbenzene	U		0.000314	0.00109	1	04/04/2018 17:18	WG1093155
1,3,5-Trimethylbenzene	U		0.000291	0.00109	1	04/04/2018 17:18	WG1093155
Vinyl acetate	U		0.00261	0.0109	1	04/04/2018 17:18	WG1093155
Vinyl chloride	0.0160		0.000318	0.00109	1	04/04/2018 17:18	WG1093155
Xylenes, Total	U		0.000763	0.00328	1	04/04/2018 17:18	WG1093155
(S) Toluene-d8	*100*			*80.0-120*		*04/04/2018 17:18*	WG1093155
(S) Toluene-d8	*113*			*80.0-120*		*04/06/2018 17:04*	WG1093155
(S) Dibromofluoromethane	*101*			*74.0-131*		*04/06/2018 17:04*	WG1093155
(S) Dibromofluoromethane	*104*			*74.0-131*		*04/04/2018 17:18*	WG1093155
(S) 4-Bromofluorobenzene	*105*			*64.0-132*		*04/04/2018 17:18*	WG1093155
(S) 4-Bromofluorobenzene	*101*			*64.0-132*		*04/06/2018 17:04*	WG1093155

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	92.3		1	04/05/2018 15:19	WG1094162

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	0.820		0.0367	0.108	1	04/03/2018 06:34	WG1092639
(S) a,a,a-Trifluorotoluene(FID)	*103*			*77.0-120*		*04/03/2018 06:34*	WG1092639

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0108	0.0542	1	04/04/2018 17:39	WG1093155
Acrylonitrile	U		0.00194	0.0108	1	04/04/2018 17:39	WG1093155
Benzene	U		0.000293	0.00108	1	04/04/2018 17:39	WG1093155
Bromobenzene	U		0.000308	0.00108	1	04/04/2018 17:39	WG1093155
Bromodichloromethane	U		0.000275	0.00108	1	04/04/2018 17:39	WG1093155
Bromochloromethane	U		0.000423	0.00542	1	04/04/2018 17:39	WG1093155
Bromoform	U		0.000459	0.00108	1	04/04/2018 17:39	WG1093155
Bromomethane	U	J0	0.00145	0.00542	1	04/04/2018 17:39	WG1093155
n-Butylbenzene	U		0.000280	0.00108	1	04/04/2018 17:39	WG1093155
sec-Butylbenzene	U		0.000218	0.00108	1	04/04/2018 17:39	WG1093155
tert-Butylbenzene	U		0.000223	0.00108	1	04/04/2018 17:39	WG1093155
Carbon disulfide	0.00150		0.000239	0.00108	1	04/04/2018 17:39	WG1093155
Carbon tetrachloride	U		0.000355	0.00108	1	04/04/2018 17:39	WG1093155
Chlorobenzene	U		0.000230	0.00108	1	04/04/2018 17:39	WG1093155
Chlorodibromomethane	U		0.000404	0.00108	1	04/04/2018 17:39	WG1093155
Chloroethane	U	J0	0.00102	0.00542	1	04/04/2018 17:39	WG1093155
Chloroform	U		0.000248	0.00542	1	04/04/2018 17:39	WG1093155
Chloromethane	U		0.000406	0.00271	1	04/04/2018 17:39	WG1093155
2-Chlorotoluene	U		0.000326	0.00108	1	04/04/2018 17:39	WG1093155
4-Chlorotoluene	U		0.000260	0.00108	1	04/04/2018 17:39	WG1093155
1,2-Dibromo-3-Chloropropane	U		0.00114	0.00542	1	04/04/2018 17:39	WG1093155
1,2-Dibromoethane	U		0.000372	0.00108	1	04/04/2018 17:39	WG1093155
Dibromomethane	U		0.000414	0.00108	1	04/04/2018 17:39	WG1093155
1,2-Dichlorobenzene	U		0.000330	0.00108	1	04/04/2018 17:39	WG1093155
1,3-Dichlorobenzene	U		0.000259	0.00108	1	04/04/2018 17:39	WG1093155
1,4-Dichlorobenzene	U		0.000245	0.00108	1	04/04/2018 17:39	WG1093155
Dichlorodifluoromethane	U		0.000772	0.00542	1	04/04/2018 17:39	WG1093155
1,1-Dichloroethane	U		0.000216	0.00108	1	04/04/2018 17:39	WG1093155
1,2-Dichloroethane	U		0.000287	0.00108	1	04/04/2018 17:39	WG1093155
1,1-Dichloroethene	0.00362		0.000328	0.00108	1	04/04/2018 17:39	WG1093155
cis-1,2-Dichloroethene	0.569		0.0509	0.217	200	04/06/2018 17:24	WG1093155
trans-1,2-Dichloroethene	0.000462	J	0.000286	0.00108	1	04/04/2018 17:39	WG1093155
1,2-Dichloropropane	U		0.000388	0.00108	1	04/04/2018 17:39	WG1093155
1,1-Dichloropropene	U		0.000343	0.00108	1	04/04/2018 17:39	WG1093155
1,3-Dichloropropane	U		0.000224	0.00108	1	04/04/2018 17:39	WG1093155
cis-1,3-Dichloropropene	U		0.000284	0.00108	1	04/04/2018 17:39	WG1093155
trans-1,3-Dichloropropene	U		0.000289	0.00108	1	04/04/2018 17:39	WG1093155
trans-1,4-Dichloro-2-butene	U		0.000843	0.00271	1	04/04/2018 17:39	WG1093155
2,2-Dichloropropane	U		0.000302	0.00108	1	04/04/2018 17:39	WG1093155
Di-isopropyl ether	U		0.000269	0.00108	1	04/04/2018 17:39	WG1093155
Ethylbenzene	U		0.000322	0.00108	1	04/04/2018 17:39	WG1093155
Hexachloro-1,3-butadiene	U		0.000371	0.00108	1	04/04/2018 17:39	WG1093155
2-Hexanone	U		0.00148	0.0108	1	04/04/2018 17:39	WG1093155
n-Hexane	0.000612	J	0.000314	0.0108	1	04/04/2018 17:39	WG1093155

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Iodomethane	U		0.00274	0.0108	1	04/04/2018 17:39	WG1093155
Isopropylbenzene	U		0.000263	0.00108	1	04/04/2018 17:39	WG1093155
p-Isopropyltoluene	U		0.000221	0.00108	1	04/04/2018 17:39	WG1093155
2-Butanone (MEK)	U		0.00507	0.0108	1	04/04/2018 17:39	WG1093155
Methylene Chloride	U		0.00108	0.00542	1	04/04/2018 17:39	WG1093155
4-Methyl-2-pentanone (MIBK)	U		0.00204	0.0108	1	04/04/2018 17:39	WG1093155
Methyl tert-butyl ether	U		0.000230	0.00108	1	04/04/2018 17:39	WG1093155
Naphthalene	U		0.00108	0.00542	1	04/04/2018 17:39	WG1093155
n-Propylbenzene	U		0.000223	0.00108	1	04/04/2018 17:39	WG1093155
Styrene	U		0.000254	0.00108	1	04/04/2018 17:39	WG1093155
1,1,1,2-Tetrachloroethane	U		0.000286	0.00108	1	04/04/2018 17:39	WG1093155
1,1,2,2-Tetrachloroethane	U		0.000395	0.00108	1	04/04/2018 17:39	WG1093155
1,1,2-Trichlorotrifluoroethane	U		0.000395	0.00108	1	04/04/2018 17:39	WG1093155
Tetrachloroethene	12.2		0.0598	0.217	200	04/06/2018 17:24	WG1093155
Toluene	U		0.000470	0.00542	1	04/04/2018 17:39	WG1093155
1,2,3-Trichlorobenzene	U		0.000332	0.00108	1	04/04/2018 17:39	WG1093155
1,2,4-Trichlorobenzene	U		0.000420	0.00108	1	04/04/2018 17:39	WG1093155
1,1,1-Trichloroethane	U		0.000310	0.00108	1	04/04/2018 17:39	WG1093155
1,1,2-Trichloroethane	U		0.000300	0.00108	1	04/04/2018 17:39	WG1093155
Trichloroethene	1.87		0.0605	0.217	200	04/06/2018 17:24	WG1093155
Trichlorofluoromethane	U		0.000414	0.00542	1	04/04/2018 17:39	WG1093155
1,2,3-Trichloropropane	U		0.000803	0.00271	1	04/04/2018 17:39	WG1093155
1,2,4-Trimethylbenzene	U		0.000229	0.00108	1	04/04/2018 17:39	WG1093155
1,2,3-Trimethylbenzene	U		0.000311	0.00108	1	04/04/2018 17:39	WG1093155
1,3,5-Trimethylbenzene	U		0.000288	0.00108	1	04/04/2018 17:39	WG1093155
Vinyl acetate	U		0.00259	0.0108	1	04/04/2018 17:39	WG1093155
Vinyl chloride	0.00310		0.000315	0.00108	1	04/04/2018 17:39	WG1093155
Xylenes, Total	U		0.000756	0.00325	1	04/04/2018 17:39	WG1093155
(S) Toluene-d8	*99.7*			*80.0-120*		*04/04/2018 17:39*	WG1093155
(S) Toluene-d8	*109*			*80.0-120*		*04/06/2018 17:24*	WG1093155
(S) Dibromofluoromethane	*105*			*74.0-131*		*04/06/2018 17:24*	WG1093155
(S) Dibromofluoromethane	*102*			*74.0-131*		*04/04/2018 17:39*	WG1093155
(S) 4-Bromofluorobenzene	*102*			*64.0-132*		*04/06/2018 17:24*	WG1093155
(S) 4-Bromofluorobenzene	*105*			*64.0-132*		*04/04/2018 17:39*	WG1093155

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	86.6		1	04/05/2018 15:19	WG1094162

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	5.12		0.0391	0.115	1	04/03/2018 06:57	WG1092639
(S) a,a,a-Trifluorotoluene(FID)	*104*			*77.0-120*		*04/03/2018 06:57*	WG1092639

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0115	0.0577	1	04/04/2018 18:00	WG1093155
Acrylonitrile	U		0.00207	0.0115	1	04/04/2018 18:00	WG1093155
Benzene	U		0.000312	0.00115	1	04/04/2018 18:00	WG1093155
Bromobenzene	U		0.000328	0.00115	1	04/04/2018 18:00	WG1093155
Bromodichloromethane	U		0.000293	0.00115	1	04/04/2018 18:00	WG1093155
Bromochloromethane	U		0.000450	0.00577	1	04/04/2018 18:00	WG1093155
Bromoform	U		0.000490	0.00115	1	04/04/2018 18:00	WG1093155
Bromomethane	U	J0	0.00155	0.00577	1	04/04/2018 18:00	WG1093155
n-Butylbenzene	U		0.000298	0.00115	1	04/04/2018 18:00	WG1093155
sec-Butylbenzene	U		0.000232	0.00115	1	04/04/2018 18:00	WG1093155
tert-Butylbenzene	U		0.000238	0.00115	1	04/04/2018 18:00	WG1093155
Carbon disulfide	0.00489		0.000255	0.00115	1	04/04/2018 18:00	WG1093155
Carbon tetrachloride	U		0.000379	0.00115	1	04/04/2018 18:00	WG1093155
Chlorobenzene	U		0.000245	0.00115	1	04/04/2018 18:00	WG1093155
Chlorodibromomethane	U		0.000431	0.00115	1	04/04/2018 18:00	WG1093155
Chloroethane	U	J0	0.00109	0.00577	1	04/04/2018 18:00	WG1093155
Chloroform	U		0.000264	0.00577	1	04/04/2018 18:00	WG1093155
Chloromethane	U		0.000433	0.00289	1	04/04/2018 18:00	WG1093155
2-Chlorotoluene	U		0.000348	0.00115	1	04/04/2018 18:00	WG1093155
4-Chlorotoluene	U		0.000277	0.00115	1	04/04/2018 18:00	WG1093155
1,2-Dibromo-3-Chloropropane	U		0.00121	0.00577	1	04/04/2018 18:00	WG1093155
1,2-Dibromoethane	U		0.000396	0.00115	1	04/04/2018 18:00	WG1093155
Dibromomethane	U		0.000441	0.00115	1	04/04/2018 18:00	WG1093155
1,2-Dichlorobenzene	U		0.000352	0.00115	1	04/04/2018 18:00	WG1093155
1,3-Dichlorobenzene	U		0.000276	0.00115	1	04/04/2018 18:00	WG1093155
1,4-Dichlorobenzene	U		0.000261	0.00115	1	04/04/2018 18:00	WG1093155
Dichlorodifluoromethane	U		0.000823	0.00577	1	04/04/2018 18:00	WG1093155
1,1-Dichloroethane	U		0.000230	0.00115	1	04/04/2018 18:00	WG1093155
1,2-Dichloroethane	U		0.000306	0.00115	1	04/04/2018 18:00	WG1093155
1,1-Dichloroethene	0.0354		0.000350	0.00115	1	04/04/2018 18:00	WG1093155
cis-1,2-Dichloroethene	16.0		0.0679	0.289	250	04/06/2018 17:44	WG1093155
trans-1,2-Dichloroethene	0.00868		0.000305	0.00115	1	04/04/2018 18:00	WG1093155
1,2-Dichloropropane	U		0.000413	0.00115	1	04/04/2018 18:00	WG1093155
1,1-Dichloropropene	U		0.000366	0.00115	1	04/04/2018 18:00	WG1093155
1,3-Dichloropropane	U		0.000239	0.00115	1	04/04/2018 18:00	WG1093155
cis-1,3-Dichloropropene	U		0.000303	0.00115	1	04/04/2018 18:00	WG1093155
trans-1,3-Dichloropropene	U		0.000308	0.00115	1	04/04/2018 18:00	WG1093155
trans-1,4-Dichloro-2-butene	U		0.000898	0.00289	1	04/04/2018 18:00	WG1093155
2,2-Dichloropropane	U		0.000322	0.00115	1	04/04/2018 18:00	WG1093155
Di-isopropyl ether	U		0.000286	0.00115	1	04/04/2018 18:00	WG1093155
Ethylbenzene	U		0.000343	0.00115	1	04/04/2018 18:00	WG1093155
Hexachloro-1,3-butadiene	U		0.000395	0.00115	1	04/04/2018 18:00	WG1093155
2-Hexanone	U		0.00158	0.0115	1	04/04/2018 18:00	WG1093155
n-Hexane	U		0.000335	0.0115	1	04/04/2018 18:00	WG1093155

B-243-50

SAMPLE RESULTS - 10

Collected date/time: 03/29/18 14:35

L982183

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Iodomethane	U		0.00292	0.0115	1	04/04/2018 18:00	WG1093155
Isopropylbenzene	U		0.000281	0.00115	1	04/04/2018 18:00	WG1093155
p-Isopropyltoluene	U		0.000236	0.00115	1	04/04/2018 18:00	WG1093155
2-Butanone (MEK)	U		0.00540	0.0115	1	04/04/2018 18:00	WG1093155
Methylene Chloride	U		0.00115	0.00577	1	04/04/2018 18:00	WG1093155
4-Methyl-2-pentanone (MIBK)	U		0.00217	0.0115	1	04/04/2018 18:00	WG1093155
Methyl tert-butyl ether	U		0.000245	0.00115	1	04/04/2018 18:00	WG1093155
Naphthalene	U		0.00115	0.00577	1	04/04/2018 18:00	WG1093155
n-Propylbenzene	U		0.000238	0.00115	1	04/04/2018 18:00	WG1093155
Styrene	U		0.000270	0.00115	1	04/04/2018 18:00	WG1093155
1,1,1,2-Tetrachloroethane	U		0.000305	0.00115	1	04/04/2018 18:00	WG1093155
1,1,2,2-Tetrachloroethane	U		0.000421	0.00115	1	04/04/2018 18:00	WG1093155
1,1,2-Trichlorotrifluoroethane	U		0.000421	0.00115	1	04/04/2018 18:00	WG1093155
Tetrachloroethene	29.0		0.319	1.15	1000	04/08/2018 15:18	WG1093155
Toluene	U		0.000501	0.00577	1	04/04/2018 18:00	WG1093155
1,2,3-Trichlorobenzene	U		0.000353	0.00115	1	04/04/2018 18:00	WG1093155
1,2,4-Trichlorobenzene	U		0.000448	0.00115	1	04/04/2018 18:00	WG1093155
1,1,1-Trichloroethane	U		0.000330	0.00115	1	04/04/2018 18:00	WG1093155
1,1,2-Trichloroethane	U		0.000320	0.00115	1	04/04/2018 18:00	WG1093155
Trichloroethene	7.72		0.0806	0.289	250	04/06/2018 17:44	WG1093155
Trichlorofluoromethane	U		0.000441	0.00577	1	04/04/2018 18:00	WG1093155
1,2,3-Trichloropropane	U		0.000856	0.00289	1	04/04/2018 18:00	WG1093155
1,2,4-Trimethylbenzene	U		0.000244	0.00115	1	04/04/2018 18:00	WG1093155
1,2,3-Trimethylbenzene	U		0.000331	0.00115	1	04/04/2018 18:00	WG1093155
1,3,5-Trimethylbenzene	U		0.000307	0.00115	1	04/04/2018 18:00	WG1093155
Vinyl acetate	U		0.00276	0.0115	1	04/04/2018 18:00	WG1093155
Vinyl chloride	0.292		0.0841	0.289	250	04/06/2018 17:44	WG1093155
Xylenes, Total	U		0.000806	0.00346	1	04/04/2018 18:00	WG1093155
(S) Toluene-d8	*95.2*			*80.0-120*		*04/08/2018 15:18*	WG1093155
(S) Toluene-d8	*101*			*80.0-120*		*04/04/2018 18:00*	WG1093155
(S) Toluene-d8	*112*			*80.0-120*		*04/06/2018 17:44*	WG1093155
(S) Dibromofluoromethane	*106*			*74.0-131*		*04/06/2018 17:44*	WG1093155
(S) Dibromofluoromethane	*100*			*74.0-131*		*04/04/2018 18:00*	WG1093155
(S) Dibromofluoromethane	*105*			*74.0-131*		*04/08/2018 15:18*	WG1093155
(S) 4-Bromofluorobenzene	*93.1*			*64.0-132*		*04/08/2018 15:18*	WG1093155
(S) 4-Bromofluorobenzene	*106*			*64.0-132*		*04/04/2018 18:00*	WG1093155
(S) 4-Bromofluorobenzene	*102*			*64.0-132*		*04/06/2018 17:44*	WG1093155

Method Blank (MB)

(MB) R3299635-1 04/05/18 15:33

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.00100			

L982183-02 Original Sample (OS) • Duplicate (DUP)

(OS) L982183-02 04/05/18 15:33 • (DUP) R3299635-3 04/05/18 15:33

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	88.0	90.3	1	2.51		5

Laboratory Control Sample (LCS)

(LCS) R3299635-2 04/05/18 15:33

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	85.0-115	

WG1094162

Total Solids by Method 2540 G-2011

Method Blank (MB)

(MB) R3299628-1 04/05/18 15:19

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.00100			

L982234-02 Original Sample (OS) • Duplicate (DUP)

(OS) L982234-02 04/05/18 15:19 • (DUP) R3299628-3 04/05/18 15:19

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	90.3	90.2	1	0.114		5

Laboratory Control Sample (LCS)

(LCS) R3299628-2 04/05/18 15:19

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	85.0-115	

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Method Blank (MB)

(MB) R3299496-3 04/03/18 00:34

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Gasoline Range Organics-NWTPH	U		0.0339	0.100
(S) a,a,a-Trifluorotoluene(FID)	*105*			*77.0-120*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3299496-1 04/02/18 23:23 • (LCSD) R3299496-2 04/02/18 23:47

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Gasoline Range Organics-NWTPH	5.50	5.50	5.91	100	107	70.0-133			7.17	20
(S) a,a,a-Trifluorotoluene(FID)				*108*	*109*	*77.0-120*				

L981842-38 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L981842-38 04/03/18 07:21 • (MS) R3299496-4 04/03/18 07:45 • (MSD) R3299496-5 04/03/18 08:09

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Gasoline Range Organics-NWTPH	5.50	ND	0.271	0.479	4.93	8.70	1	10.0-146	J6	J3 J6	55.3	30
(S) a,a,a-Trifluorotoluene(FID)					*100*	*103*		*77.0-120*				

Method Blank (MB)

(MB) R3298851-3 04/03/18 13:20

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acetone	U		0.0100	0.0500
Acrylonitrile	U		0.00179	0.0100
Benzene	U		0.000270	0.00100
Bromobenzene	U		0.000284	0.00100
Bromodichloromethane	U		0.000254	0.00100
Bromochloromethane	U		0.000390	0.00500
Bromoform	U		0.000424	0.00100
Bromomethane	U		0.00134	0.00500
n-Butylbenzene	U		0.000258	0.00100
sec-Butylbenzene	U		0.000201	0.00100
tert-Butylbenzene	U		0.000206	0.00100
Carbon disulfide	U		0.000221	0.00100
Carbon tetrachloride	U		0.000328	0.00100
Chlorobenzene	U		0.000212	0.00100
Chlorodibromomethane	U		0.000373	0.00100
Chloroethane	U		0.000946	0.00500
Chloroform	U		0.000229	0.00500
Chloromethane	U		0.000375	0.00250
2-Chlorotoluene	U		0.000301	0.00100
4-Chlorotoluene	U		0.000240	0.00100
1,2-Dibromo-3-Chloropropane	U		0.00105	0.00500
1,2-Dibromoethane	U		0.000343	0.00100
Dibromomethane	U		0.000382	0.00100
1,2-Dichlorobenzene	U		0.000305	0.00100
1,3-Dichlorobenzene	U		0.000239	0.00100
1,4-Dichlorobenzene	U		0.000226	0.00100
trans-1,4-Dichloro-2-butene	U		0.000778	0.00250
Dichlorodifluoromethane	U		0.000713	0.00500
1,1-Dichloroethane	U		0.000199	0.00100
1,2-Dichloroethane	U		0.000265	0.00100
1,1-Dichloroethene	U		0.000303	0.00100
cis-1,2-Dichloroethene	U		0.000235	0.00100
trans-1,2-Dichloroethene	U		0.000264	0.00100
1,2-Dichloropropane	U		0.000358	0.00100
1,1-Dichloropropene	U		0.000317	0.00100
1,3-Dichloropropane	U		0.000207	0.00100
cis-1,3-Dichloropropene	U		0.000262	0.00100
trans-1,3-Dichloropropene	U		0.000267	0.00100
2,2-Dichloropropane	U		0.000279	0.00100
Di-isopropyl ether	U		0.000248	0.00100

Method Blank (MB)

(MB) R3298851-3 04/03/18 13:20

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Ethylbenzene	U		0.000297	0.00100
Hexachloro-1,3-butadiene	U		0.000342	0.00100
2-Hexanone	U		0.00137	0.0100
n-Hexane	U		0.000290	0.0100
Iodomethane	U		0.00253	0.0100
Isopropylbenzene	U		0.000243	0.00100
p-Isopropyltoluene	U		0.000204	0.00100
2-Butanone (MEK)	U		0.00468	0.0100
Methylene Chloride	U		0.00100	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.00188	0.0100
Methyl tert-butyl ether	U		0.000212	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.000206	0.00100
Styrene	U		0.000234	0.00100
1,1,1,2-Tetrachloroethane	U		0.000264	0.00100
1,1,2,2-Tetrachloroethane	U		0.000365	0.00100
Tetrachloroethene	U		0.000276	0.00100
Toluene	U		0.000434	0.00500
1,1,2-Trichlorotrifluoroethane	U		0.000365	0.00100
1,2,3-Trichlorobenzene	U		0.000306	0.00100
1,2,4-Trichlorobenzene	U		0.000388	0.00100
1,1,1-Trichloroethane	U		0.000286	0.00100
1,1,2-Trichloroethane	U		0.000277	0.00100
Trichloroethene	U		0.000279	0.00100
Trichlorofluoromethane	U		0.000382	0.00500
1,2,3-Trichloropropane	U		0.000741	0.00250
1,2,3-Trimethylbenzene	U		0.000287	0.00100
1,2,4-Trimethylbenzene	U		0.000211	0.00100
1,3,5-Trimethylbenzene	U		0.000266	0.00100
Vinyl acetate	U		0.00239	0.0100
Vinyl chloride	U		0.000291	0.00100
Xylenes, Total	U		0.000698	0.00300
(S) Toluene-d8	*110*			*80.0-120*
(S) Dibromofluoromethane	*94.5*			*74.0-131*
(S) 4-Bromofluorobenzene	*102*			*64.0-132*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3298851-1 04/03/18 12:17 • (LCSD) R3298851-2 04/03/18 12:38

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.125	0.134	0.104	107	82.8	11.0-160		J3	25.5	23
Acrylonitrile	0.125	0.128	0.111	102	88.6	61.0-143			14.3	20
Benzene	0.0250	0.0255	0.0227	102	90.7	71.0-124			11.7	20
Bromobenzene	0.0250	0.0250	0.0232	100	93.0	78.0-120			7.39	20
Bromodichloromethane	0.0250	0.0268	0.0236	107	94.5	75.0-120			12.7	20
Bromochloromethane	0.0250	0.0261	0.0227	105	90.8	80.0-121			14.2	20
Bromoform	0.0250	0.0261	0.0240	104	96.1	65.0-133			8.33	20
Bromomethane	0.0250	0.0240	0.0206	96.1	82.5	26.0-160			15.2	20
n-Butylbenzene	0.0250	0.0268	0.0257	107	103	73.0-126			4.14	20
sec-Butylbenzene	0.0250	0.0266	0.0250	106	100	75.0-121			6.14	20
tert-Butylbenzene	0.0250	0.0274	0.0255	110	102	74.0-122			7.11	20
Carbon disulfide	0.0250	0.0281	0.0190	112	75.9	53.0-130		J3	38.7	20
Carbon tetrachloride	0.0250	0.0251	0.0212	100	84.7	66.0-123			16.9	20
Chlorobenzene	0.0250	0.0270	0.0251	108	100	79.0-121			7.20	20
Chlorodibromomethane	0.0250	0.0274	0.0249	110	99.6	74.0-128			9.57	20
Chloroethane	0.0250	0.0242	0.0210	97.0	84.0	51.0-147			14.4	20
Chloroform	0.0250	0.0255	0.0227	102	90.9	73.0-123			11.7	20
Chloromethane	0.0250	0.0268	0.0195	107	77.9	51.0-138		J3	31.5	20
2-Chlorotoluene	0.0250	0.0265	0.0251	106	100	72.0-124			5.49	20
4-Chlorotoluene	0.0250	0.0257	0.0242	103	97.0	78.0-120			5.88	20
1,2-Dibromo-3-Chloropropane	0.0250	0.0239	0.0228	95.5	91.3	65.0-126			4.56	20
1,2-Dibromoethane	0.0250	0.0265	0.0248	106	99.4	78.0-122			6.34	20
Dibromomethane	0.0250	0.0261	0.0226	104	90.5	79.0-120			14.1	20
1,2-Dichlorobenzene	0.0250	0.0263	0.0252	105	101	80.0-120			4.02	20
1,3-Dichlorobenzene	0.0250	0.0265	0.0251	106	100	72.0-123			5.50	20
1,4-Dichlorobenzene	0.0250	0.0252	0.0240	101	96.0	77.0-120			4.99	20
trans-1,4-Dichloro-2-butene	0.0250	0.0288	0.0248	115	99.1	68.0-126			15.2	20
Dichlorodifluoromethane	0.0250	0.0270	0.0184	108	73.6	49.0-155		J3	37.8	20
1,1-Dichloroethane	0.0250	0.0265	0.0227	106	90.9	70.0-128			15.3	20
1,2-Dichloroethane	0.0250	0.0250	0.0229	100	91.7	69.0-128			8.67	20
1,1-Dichloroethene	0.0250	0.0267	0.0216	107	86.5	63.0-131		J3	21.0	20
cis-1,2-Dichloroethene	0.0250	0.0261	0.0220	104	88.0	74.0-123			16.9	20
trans-1,2-Dichloroethene	0.0250	0.0267	0.0222	107	88.9	72.0-122			18.3	20
1,2-Dichloropropane	0.0250	0.0278	0.0248	111	99.1	75.0-126			11.3	20
1,1-Dichloropropene	0.0250	0.0254	0.0226	102	90.6	72.0-130			11.5	20
1,3-Dichloropropane	0.0250	0.0259	0.0247	104	98.9	80.0-121			4.82	20
cis-1,3-Dichloropropene	0.0250	0.0268	0.0252	107	101	80.0-125			6.06	20
trans-1,3-Dichloropropene	0.0250	0.0266	0.0255	106	102	75.0-129			3.93	20
2,2-Dichloropropane	0.0250	0.0259	0.0226	104	90.3	60.0-129			13.7	20
Di-isopropyl ether	0.0250	0.0261	0.0231	104	92.3	62.0-133			12.4	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3298851-1 04/03/18 12:17 • (LCSD) R3298851-2 04/03/18 12:38

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Ethylbenzene	0.0250	0.0275	0.0250	110	99.9	77.0-120			9.57	20
Hexachloro-1,3-butadiene	0.0250	0.0281	0.0275	112	110	68.0-128			2.05	20
2-Hexanone	0.125	0.143	0.114	114	91.2	61.0-143		J3	22.4	20
n-Hexane	0.0250	0.0274	0.0200	110	80.1	57.0-125		J3	31.2	20
Iodomethane	0.125	0.136	0.107	109	85.6	67.0-132		J3	23.8	20
Isopropylbenzene	0.0250	0.0268	0.0250	107	99.9	75.0-120			6.91	20
p-Isopropyltoluene	0.0250	0.0269	0.0264	108	105	74.0-125			2.08	20
2-Butanone (MEK)	0.125	0.137	0.112	110	89.5	37.0-159		J3	20.3	20
Methylene Chloride	0.0250	0.0251	0.0211	101	84.3	67.0-123			17.7	20
4-Methyl-2-pentanone (MIBK)	0.125	0.135	0.117	108	93.5	60.0-144			14.1	20
Methyl tert-butyl ether	0.0250	0.0259	0.0215	103	86.0	66.0-125			18.4	20
Naphthalene	0.0250	0.0249	0.0235	99.6	94.0	64.0-125			5.77	20
n-Propylbenzene	0.0250	0.0262	0.0250	105	99.9	78.0-120			4.67	20
Styrene	0.0250	0.0283	0.0250	113	99.9	78.0-124			12.4	20
1,1,1,2-Tetrachloroethane	0.0250	0.0282	0.0251	113	101	74.0-124			11.5	20
1,1,2,2-Tetrachloroethane	0.0250	0.0243	0.0229	97.2	91.7	73.0-120			5.82	20
Tetrachloroethene	0.0250	0.0270	0.0251	108	100	70.0-127			7.38	20
Toluene	0.0250	0.0264	0.0241	106	96.4	77.0-120			9.06	20
1,1,2-Trichlorotrifluoroethane	0.0250	0.0273	0.0225	109	89.9	64.0-135			19.4	20
1,2,3-Trichlorobenzene	0.0250	0.0261	0.0252	104	101	68.0-126			3.56	20
1,2,4-Trichlorobenzene	0.0250	0.0260	0.0254	104	102	70.0-127			2.19	20
1,1,1-Trichloroethane	0.0250	0.0261	0.0228	104	91.1	69.0-125			13.5	20
1,1,2-Trichloroethane	0.0250	0.0259	0.0242	104	96.7	78.0-120			7.03	20
Trichloroethene	0.0250	0.0275	0.0249	110	99.7	79.0-120			9.86	20
Trichlorofluoromethane	0.0250	0.0268	0.0222	107	88.9	59.0-136			18.9	20
1,2,3-Trichloropropane	0.0250	0.0252	0.0223	101	89.2	73.0-124			12.2	20
1,2,3-Trimethylbenzene	0.0250	0.0264	0.0245	105	97.9	76.0-120			7.39	20
1,2,4-Trimethylbenzene	0.0250	0.0264	0.0248	106	99.0	75.0-120			6.43	20
1,3,5-Trimethylbenzene	0.0250	0.0267	0.0251	107	100	75.0-120			5.95	20
Vinyl acetate	0.125	0.132	0.132	106	106	58.0-156			0.282	20
Vinyl chloride	0.0250	0.0287	0.0218	115	87.3	63.0-134		J3	27.3	20
Xylenes, Total	0.0750	0.0843	0.0761	112	101	77.0-120			10.2	20
(S) Toluene-d8				*108*	*109*	*80.0-120*				
(S) Dibromofluoromethane				*94.6*	*88.6*	*74.0-131*				
(S) 4-Bromofluorobenzene				*92.9*	*93.1*	*64.0-132*				

Method Blank (MB)

(MB) R3300076-4 04/08/18 12:59

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Tetrachloroethene	U		0.000276	0.00100
(S) Toluene-d8	*104*			*80.0-120*
(S) Dibromofluoromethane	*106*			*74.0-131*
(S) 4-Bromofluorobenzene	*96.3*			*64.0-132*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3300076-1 04/08/18 10:42 • (LCSD) R3300076-2 04/08/18 11:01

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Tetrachloroethene	0.0250	0.0279	0.0287	112	115	70.0-127			2.77	20
(S) Toluene-d8				*105*	*106*	*80.0-120*				
(S) Dibromofluoromethane				*100*	*98.1*	*74.0-131*				
(S) 4-Bromofluorobenzene				*94.6*	*90.6*	*64.0-132*				

Method Blank (MB)

(MB) R3300234-4 04/09/18 11:24

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acetone	U		0.0100	0.0500
Acrylonitrile	U		0.00179	0.0100
Benzene	U		0.000270	0.00100
Bromobenzene	U		0.000284	0.00100
Bromodichloromethane	U		0.000254	0.00100
Bromochloromethane	U		0.000390	0.00500
Bromoform	U		0.000424	0.00100
Bromomethane	U		0.00134	0.00500
n-Butylbenzene	U		0.000258	0.00100
sec-Butylbenzene	U		0.000201	0.00100
tert-Butylbenzene	U		0.000206	0.00100
Carbon disulfide	U		0.000221	0.00100
Carbon tetrachloride	U		0.000328	0.00100
Chlorobenzene	U		0.000212	0.00100
Chlorodibromomethane	U		0.000373	0.00100
Chloroethane	U		0.000946	0.00500
Chloroform	U		0.000229	0.00500
Chloromethane	U		0.000375	0.00250
2-Chlorotoluene	U		0.000301	0.00100
4-Chlorotoluene	U		0.000240	0.00100
1,2-Dibromo-3-Chloropropane	U		0.00105	0.00500
1,2-Dibromoethane	U		0.000343	0.00100
Dibromomethane	U		0.000382	0.00100
1,2-Dichlorobenzene	U		0.000305	0.00100
1,3-Dichlorobenzene	U		0.000239	0.00100
1,4-Dichlorobenzene	U		0.000226	0.00100
trans-1,4-Dichloro-2-butene	U		0.000778	0.00250
Dichlorodifluoromethane	U		0.000713	0.00500
1,1-Dichloroethane	U		0.000199	0.00100
1,2-Dichloroethane	U		0.000265	0.00100
1,1-Dichloroethene	U		0.000303	0.00100
cis-1,2-Dichloroethene	U		0.000235	0.00100
trans-1,2-Dichloroethene	U		0.000264	0.00100
1,2-Dichloropropane	U		0.000358	0.00100
1,1-Dichloropropene	U		0.000317	0.00100
1,3-Dichloropropane	U		0.000207	0.00100
cis-1,3-Dichloropropene	U		0.000262	0.00100
trans-1,3-Dichloropropene	U		0.000267	0.00100
2,2-Dichloropropane	U		0.000279	0.00100
Di-isopropyl ether	U		0.000248	0.00100

Method Blank (MB)

(MB) R3300234-4 04/09/18 11:24

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Ethylbenzene	U		0.000297	0.00100
Hexachloro-1,3-butadiene	U		0.000342	0.00100
2-Hexanone	U		0.00137	0.0100
n-Hexane	U		0.000290	0.0100
Iodomethane	U		0.00253	0.0100
Isopropylbenzene	U		0.000243	0.00100
p-Isopropyltoluene	U		0.000204	0.00100
2-Butanone (MEK)	U		0.00468	0.0100
Methylene Chloride	U		0.00100	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.00188	0.0100
Methyl tert-butyl ether	U		0.000212	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.000206	0.00100
Styrene	U		0.000234	0.00100
1,1,1,2-Tetrachloroethane	U		0.000264	0.00100
1,1,2,2-Tetrachloroethane	U		0.000365	0.00100
Tetrachloroethene	U		0.000276	0.00100
Toluene	U		0.000434	0.00500
1,1,2-Trichlorotrifluoroethane	U		0.000365	0.00100
1,2,3-Trichlorobenzene	U		0.000306	0.00100
1,2,4-Trichlorobenzene	U		0.000388	0.00100
1,1,1-Trichloroethane	U		0.000286	0.00100
1,1,2-Trichloroethane	U		0.000277	0.00100
Trichloroethene	U		0.000279	0.00100
Trichlorofluoromethane	U		0.000382	0.00500
1,2,3-Trichloropropane	U		0.000741	0.00250
1,2,3-Trimethylbenzene	U		0.000287	0.00100
1,2,4-Trimethylbenzene	U		0.000211	0.00100
1,3,5-Trimethylbenzene	U		0.000266	0.00100
Vinyl acetate	U		0.00239	0.0100
Vinyl chloride	U		0.000291	0.00100
Xylenes, Total	U		0.000698	0.00300
(S) Toluene-d8	*112*			*80.0-120*
(S) Dibromofluoromethane	*97.4*			*74.0-131*
(S) 4-Bromofluorobenzene	*90.2*			*64.0-132*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3300234-1 04/09/18 09:45 • (LCSD) R3300234-2 04/09/18 10:05

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.125	0.0605	0.0593	48.4	47.5	11.0-160			2.03	23
Acrylonitrile	0.125	0.109	0.113	87.6	90.6	61.0-143			3.45	20
Benzene	0.0250	0.0241	0.0246	96.4	98.5	71.0-124			2.25	20
Bromobenzene	0.0250	0.0224	0.0220	89.8	88.1	78.0-120			1.83	20
Bromodichloromethane	0.0250	0.0213	0.0218	85.1	87.2	75.0-120			2.43	20
Bromochloromethane	0.0250	0.0265	0.0271	106	108	80.0-121			2.23	20
Bromoform	0.0250	0.0195	0.0194	77.9	77.6	65.0-133			0.416	20
Bromomethane	0.0250	0.0258	0.0263	103	105	26.0-160			1.71	20
n-Butylbenzene	0.0250	0.0256	0.0247	102	98.9	73.0-126			3.31	20
sec-Butylbenzene	0.0250	0.0262	0.0259	105	104	75.0-121			0.963	20
tert-Butylbenzene	0.0250	0.0262	0.0255	105	102	74.0-122			2.54	20
Carbon disulfide	0.0250	0.0200	0.0205	80.0	82.1	53.0-130			2.61	20
Carbon tetrachloride	0.0250	0.0246	0.0242	98.3	96.8	66.0-123			1.57	20
Chlorobenzene	0.0250	0.0295	0.0291	118	116	79.0-121			1.41	20
Chlorodibromomethane	0.0250	0.0246	0.0242	98.2	96.8	74.0-128			1.47	20
Chloroethane	0.0250	0.0238	0.0244	95.4	97.6	51.0-147			2.27	20
Chloroform	0.0250	0.0232	0.0240	92.6	96.0	73.0-123			3.58	20
Chloromethane	0.0250	0.0186	0.0189	74.3	75.5	51.0-138			1.63	20
2-Chlorotoluene	0.0250	0.0244	0.0243	97.7	97.0	72.0-124			0.667	20
4-Chlorotoluene	0.0250	0.0245	0.0241	98.2	96.4	78.0-120			1.80	20
1,2-Dibromo-3-Chloropropane	0.0250	0.0235	0.0221	94.0	88.4	65.0-126			6.16	20
1,2-Dibromoethane	0.0250	0.0277	0.0270	111	108	78.0-122			2.76	20
Dibromomethane	0.0250	0.0232	0.0232	92.7	92.9	79.0-120			0.220	20
1,2-Dichlorobenzene	0.0250	0.0270	0.0260	108	104	80.0-120			3.44	20
1,3-Dichlorobenzene	0.0250	0.0272	0.0268	109	107	72.0-123			1.61	20
1,4-Dichlorobenzene	0.0250	0.0258	0.0253	103	101	77.0-120			1.79	20
trans-1,4-Dichloro-2-butene	0.0250	0.0197	0.0201	78.9	80.3	68.0-126			1.70	20
Dichlorodifluoromethane	0.0250	0.0199	0.0199	79.7	79.6	49.0-155			0.137	20
1,1-Dichloroethane	0.0250	0.0243	0.0249	97.2	99.7	70.0-128			2.46	20
1,2-Dichloroethane	0.0250	0.0238	0.0243	95.4	97.3	69.0-128			1.95	20
1,1-Dichloroethene	0.0250	0.0238	0.0235	95.1	93.9	63.0-131			1.30	20
cis-1,2-Dichloroethene	0.0250	0.0239	0.0240	95.4	96.1	74.0-123			0.698	20
trans-1,2-Dichloroethene	0.0250	0.0236	0.0238	94.5	95.2	72.0-122			0.686	20
1,2-Dichloropropane	0.0250	0.0243	0.0245	97.4	98.1	75.0-126			0.726	20
1,1-Dichloropropene	0.0250	0.0261	0.0264	105	106	72.0-130			1.01	20
1,3-Dichloropropane	0.0250	0.0279	0.0268	111	107	80.0-121			3.95	20
cis-1,3-Dichloropropene	0.0250	0.0267	0.0264	107	106	80.0-125			1.15	20
trans-1,3-Dichloropropene	0.0250	0.0266	0.0258	106	103	75.0-129			3.20	20
2,2-Dichloropropane	0.0250	0.0220	0.0235	88.1	94.2	60.0-129			6.60	20
Di-isopropyl ether	0.0250	0.0195	0.0200	78.0	80.1	62.0-133			2.72	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3300234-1 04/09/18 09:45 • (LCSD) R3300234-2 04/09/18 10:05

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Ethylbenzene	0.0250	0.0272	0.0264	109	106	77.0-120			3.06	20
Hexachloro-1,3-butadiene	0.0250	0.0283	0.0273	113	109	68.0-128			3.51	20
2-Hexanone	0.125	0.121	0.115	97.0	92.4	61.0-143			4.86	20
n-Hexane	0.0250	0.0198	0.0207	79.0	82.8	57.0-125			4.62	20
Iodomethane	0.125	0.129	0.140	103	112	67.0-132			8.61	20
Isopropylbenzene	0.0250	0.0233	0.0231	93.2	92.3	75.0-120			0.996	20
p-Isopropyltoluene	0.0250	0.0272	0.0261	109	104	74.0-125			4.31	20
2-Butanone (MEK)	0.125	0.0739	0.0735	59.1	58.8	37.0-159			0.594	20
Methylene Chloride	0.0250	0.0236	0.0242	94.4	96.9	67.0-123			2.61	20
4-Methyl-2-pentanone (MIBK)	0.125	0.112	0.106	89.4	85.1	60.0-144			4.89	20
Methyl tert-butyl ether	0.0250	0.0234	0.0237	93.5	94.6	66.0-125			1.21	20
Naphthalene	0.0250	0.0266	0.0251	106	101	64.0-125			5.50	20
n-Propylbenzene	0.0250	0.0245	0.0242	98.0	96.8	78.0-120			1.30	20
Styrene	0.0250	0.0218	0.0218	87.1	87.3	78.0-124			0.226	20
1,1,1,2-Tetrachloroethane	0.0250	0.0262	0.0258	105	103	74.0-124			1.77	20
1,1,2,2-Tetrachloroethane	0.0250	0.0219	0.0212	87.7	85.0	73.0-120			3.20	20
Tetrachloroethene	0.0250	0.0303	0.0293	121	117	70.0-127			3.41	20
Toluene	0.0250	0.0266	0.0261	107	104	77.0-120			2.08	20
1,1,2-Trichlorotrifluoroethane	0.0250	0.0239	0.0249	95.4	99.5	64.0-135			4.16	20
1,2,3-Trichlorobenzene	0.0250	0.0309	0.0293	124	117	68.0-126			5.48	20
1,2,4-Trichlorobenzene	0.0250	0.0308	0.0291	123	116	70.0-127			5.63	20
1,1,1-Trichloroethane	0.0250	0.0225	0.0230	89.9	92.1	69.0-125			2.42	20
1,1,2-Trichloroethane	0.0250	0.0267	0.0259	107	104	78.0-120			3.15	20
Trichloroethene	0.0250	0.0282	0.0281	113	113	79.0-120			0.0940	20
Trichlorofluoromethane	0.0250	0.0265	0.0272	106	109	59.0-136			2.62	20
1,2,3-Trichloropropane	0.0250	0.0222	0.0213	88.6	85.4	73.0-124			3.70	20
1,2,3-Trimethylbenzene	0.0250	0.0269	0.0263	108	105	76.0-120			2.23	20
1,2,4-Trimethylbenzene	0.0250	0.0245	0.0242	98.0	96.8	75.0-120			1.19	20
1,3,5-Trimethylbenzene	0.0250	0.0249	0.0246	99.5	98.4	75.0-120			1.11	20
Vinyl acetate	0.125	0.0909	0.0896	72.7	71.7	58.0-156			1.40	20
Vinyl chloride	0.0250	0.0222	0.0226	89.0	90.6	63.0-134			1.78	20
Xylenes, Total	0.0750	0.0823	0.0800	110	107	77.0-120			2.83	20
(S) Toluene-d8				*110*	*109*	*80.0-120*				
(S) Dibromofluoromethane				*98.5*	*99.0*	*74.0-131*				
(S) 4-Bromofluorobenzene				*90.9*	*89.1*	*64.0-132*				

Method Blank (MB)

(MB) R3299152-3 04/04/18 10:50

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acetone	U		0.0100	0.0500
Acrylonitrile	U		0.00179	0.0100
Benzene	U		0.000270	0.00100
Bromobenzene	U		0.000284	0.00100
Bromodichloromethane	U		0.000254	0.00100
Bromochloromethane	U		0.000390	0.00500
Bromoform	U		0.000424	0.00100
Bromomethane	U		0.00134	0.00500
n-Butylbenzene	U		0.000258	0.00100
sec-Butylbenzene	U		0.000201	0.00100
tert-Butylbenzene	U		0.000206	0.00100
Carbon disulfide	U		0.000221	0.00100
Carbon tetrachloride	U		0.000328	0.00100
Chlorobenzene	U		0.000212	0.00100
Chlorodibromomethane	U		0.000373	0.00100
Chloroethane	U		0.000946	0.00500
Chloroform	U		0.000229	0.00500
Chloromethane	U		0.000375	0.00250
2-Chlorotoluene	U		0.000301	0.00100
4-Chlorotoluene	U		0.000240	0.00100
1,2-Dibromo-3-Chloropropane	U		0.00105	0.00500
1,2-Dibromoethane	U		0.000343	0.00100
Dibromomethane	U		0.000382	0.00100
1,2-Dichlorobenzene	U		0.000305	0.00100
1,3-Dichlorobenzene	U		0.000239	0.00100
1,4-Dichlorobenzene	U		0.000226	0.00100
trans-1,4-Dichloro-2-butene	U		0.000778	0.00250
Dichlorodifluoromethane	U		0.000713	0.00500
1,1-Dichloroethane	U		0.000199	0.00100
1,2-Dichloroethane	U		0.000265	0.00100
1,1-Dichloroethene	U		0.000303	0.00100
cis-1,2-Dichloroethene	U		0.000235	0.00100
trans-1,2-Dichloroethene	U		0.000264	0.00100
1,2-Dichloropropane	U		0.000358	0.00100
1,1-Dichloropropene	U		0.000317	0.00100
1,3-Dichloropropane	U		0.000207	0.00100
cis-1,3-Dichloropropene	U		0.000262	0.00100
trans-1,3-Dichloropropene	U		0.000267	0.00100
2,2-Dichloropropane	U		0.000279	0.00100
Di-isopropyl ether	U		0.000248	0.00100

Method Blank (MB)

(MB) R3299152-3 04/04/18 10:50

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Ethylbenzene	U		0.000297	0.00100
Hexachloro-1,3-butadiene	U		0.000342	0.00100
2-Hexanone	U		0.00137	0.0100
n-Hexane	U		0.000290	0.0100
Iodomethane	U		0.00253	0.0100
Isopropylbenzene	U		0.000243	0.00100
p-Isopropyltoluene	U		0.000204	0.00100
2-Butanone (MEK)	U		0.00468	0.0100
Methylene Chloride	U		0.00100	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.00188	0.0100
Methyl tert-butyl ether	U		0.000212	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.000206	0.00100
Styrene	U		0.000234	0.00100
1,1,1,2-Tetrachloroethane	U		0.000264	0.00100
1,1,2,2-Tetrachloroethane	U		0.000365	0.00100
Tetrachloroethene	U		0.000276	0.00100
Toluene	U		0.000434	0.00500
1,1,2-Trichlorotrifluoroethane	U		0.000365	0.00100
1,2,3-Trichlorobenzene	U		0.000306	0.00100
1,2,4-Trichlorobenzene	U		0.000388	0.00100
1,1,1-Trichloroethane	U		0.000286	0.00100
1,1,2-Trichloroethane	U		0.000277	0.00100
Trichloroethene	U		0.000279	0.00100
Trichlorofluoromethane	U		0.000382	0.00500
1,2,3-Trichloropropane	U		0.000741	0.00250
1,2,3-Trimethylbenzene	U		0.000287	0.00100
1,2,4-Trimethylbenzene	U		0.000211	0.00100
1,3,5-Trimethylbenzene	U		0.000266	0.00100
Vinyl acetate	U		0.00239	0.0100
Vinyl chloride	U		0.000291	0.00100
Xylenes, Total	U		0.000698	0.00300
(S) Toluene-d8	*112*			*80.0-120*
(S) Dibromofluoromethane	*94.9*			*74.0-131*
(S) 4-Bromofluorobenzene	*98.0*			*64.0-132*

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3299152-1 04/04/18 09:47 • (LCSD) R3299152-2 04/04/18 10:08

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.125	0.155	0.132	124	106	11.0-160			16.0	23
Acrylonitrile	0.125	0.134	0.121	108	96.9	61.0-143			10.4	20
Benzene	0.0250	0.0236	0.0246	94.4	98.3	71.0-124			4.03	20
Bromobenzene	0.0250	0.0235	0.0258	93.8	103	78.0-120			9.44	20
Bromodichloromethane	0.0250	0.0257	0.0268	103	107	75.0-120			4.01	20
Bromochloromethane	0.0250	0.0256	0.0249	102	99.8	80.0-121			2.57	20
Bromoform	0.0250	0.0261	0.0269	104	108	65.0-133			3.20	20
Bromomethane	0.0250	0.0225	0.0224	89.9	89.5	26.0-160			0.510	20
n-Butylbenzene	0.0250	0.0239	0.0274	95.4	110	73.0-126			14.0	20
sec-Butylbenzene	0.0250	0.0233	0.0270	93.3	108	75.0-121			14.5	20
tert-Butylbenzene	0.0250	0.0241	0.0276	96.5	110	74.0-122			13.5	20
Carbon disulfide	0.0250	0.0252	0.0261	101	105	53.0-130			3.51	20
Carbon tetrachloride	0.0250	0.0220	0.0232	87.9	92.9	66.0-123			5.50	20
Chlorobenzene	0.0250	0.0250	0.0269	100	108	79.0-121			7.15	20
Chlorodibromomethane	0.0250	0.0260	0.0280	104	112	74.0-128			7.14	20
Chloroethane	0.0250	0.0218	0.0221	87.3	88.4	51.0-147			1.26	20
Chloroform	0.0250	0.0241	0.0244	96.4	97.5	73.0-123			1.14	20
Chloromethane	0.0250	0.0253	0.0254	101	101	51.0-138			0.107	20
2-Chlorotoluene	0.0250	0.0241	0.0267	96.6	107	72.0-124			10.1	20
4-Chlorotoluene	0.0250	0.0235	0.0259	93.8	104	78.0-120			9.90	20
1,2-Dibromo-3-Chloropropane	0.0250	0.0256	0.0255	103	102	65.0-126			0.355	20
1,2-Dibromoethane	0.0250	0.0258	0.0267	103	107	78.0-122			3.44	20
Dibromomethane	0.0250	0.0259	0.0259	103	103	79.0-120			0.0127	20
1,2-Dichlorobenzene	0.0250	0.0247	0.0268	98.7	107	80.0-120			8.16	20
1,3-Dichlorobenzene	0.0250	0.0247	0.0272	98.6	109	72.0-123			10.0	20
1,4-Dichlorobenzene	0.0250	0.0239	0.0261	95.5	104	77.0-120			8.75	20
trans-1,4-Dichloro-2-butene	0.0250	0.0298	0.0296	119	118	68.0-126			0.501	20
Dichlorodifluoromethane	0.0250	0.0255	0.0268	102	107	49.0-155			5.01	20
1,1-Dichloroethane	0.0250	0.0245	0.0249	98.0	99.5	70.0-128			1.53	20
1,2-Dichloroethane	0.0250	0.0246	0.0244	98.4	97.6	69.0-128			0.790	20
1,1-Dichloroethene	0.0250	0.0231	0.0249	92.2	99.7	63.0-131			7.77	20
cis-1,2-Dichloroethene	0.0250	0.0243	0.0243	97.3	97.1	74.0-123			0.260	20
trans-1,2-Dichloroethene	0.0250	0.0241	0.0247	96.5	98.8	72.0-122			2.35	20
1,2-Dichloropropane	0.0250	0.0262	0.0266	105	107	75.0-126			1.84	20
1,1-Dichloropropene	0.0250	0.0227	0.0246	90.8	98.3	72.0-130			7.92	20
1,3-Dichloropropane	0.0250	0.0254	0.0271	102	108	80.0-121			6.47	20
cis-1,3-Dichloropropene	0.0250	0.0247	0.0277	98.9	111	80.0-125			11.2	20
trans-1,3-Dichloropropene	0.0250	0.0255	0.0278	102	111	75.0-129			8.41	20
2,2-Dichloropropane	0.0250	0.0227	0.0239	90.8	95.6	60.0-129			5.17	20
Di-isopropyl ether	0.0250	0.0252	0.0244	101	97.5	62.0-133			3.41	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3299152-1 04/04/18 09:47 • (LCSD) R3299152-2 04/04/18 10:08

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Ethylbenzene	0.0250	0.0244	0.0278	97.7	111	77.0-120			12.9	20
Hexachloro-1,3-butadiene	0.0250	0.0250	0.0296	100	119	68.0-128			16.9	20
2-Hexanone	0.125	0.156	0.143	125	115	61.0-143			8.20	20
n-Hexane	0.0250	0.0241	0.0268	96.3	107	57.0-125			10.7	20
Iodomethane	0.125	0.126	0.126	101	101	67.0-132			0.396	20
Isopropylbenzene	0.0250	0.0234	0.0270	93.8	108	75.0-120			14.2	20
p-Isopropyltoluene	0.0250	0.0241	0.0274	96.6	110	74.0-125			12.7	20
2-Butanone (MEK)	0.125	0.152	0.140	122	112	37.0-159			8.32	20
Methylene Chloride	0.0250	0.0243	0.0235	97.1	94.2	67.0-123			3.02	20
4-Methyl-2-pentanone (MIBK)	0.125	0.142	0.134	114	107	60.0-144			6.29	20
Methyl tert-butyl ether	0.0250	0.0262	0.0238	105	95.4	66.0-125			9.48	20
Naphthalene	0.0250	0.0257	0.0262	103	105	64.0-125			1.76	20
n-Propylbenzene	0.0250	0.0232	0.0268	92.7	107	78.0-120			14.6	20
Styrene	0.0250	0.0261	0.0293	105	117	78.0-124			11.3	20
1,1,1,2-Tetrachloroethane	0.0250	0.0259	0.0276	104	111	74.0-124			6.35	20
1,1,2,2-Tetrachloroethane	0.0250	0.0243	0.0244	97.3	97.6	73.0-120			0.331	20
Tetrachloroethene	0.0250	0.0243	0.0272	97.1	109	70.0-127			11.5	20
Toluene	0.0250	0.0237	0.0271	94.7	108	77.0-120			13.4	20
1,1,2-Trichlorotrifluoroethane	0.0250	0.0238	0.0247	95.3	98.6	64.0-135			3.41	20
1,2,3-Trichlorobenzene	0.0250	0.0262	0.0283	105	113	68.0-126			7.62	20
1,2,4-Trichlorobenzene	0.0250	0.0254	0.0276	102	110	70.0-127			8.27	20
1,1,1-Trichloroethane	0.0250	0.0234	0.0245	93.5	98.0	69.0-125			4.69	20
1,1,2-Trichloroethane	0.0250	0.0252	0.0268	101	107	78.0-120			6.23	20
Trichloroethene	0.0250	0.0253	0.0271	101	108	79.0-120			6.91	20
Trichlorofluoromethane	0.0250	0.0245	0.0272	98.2	109	59.0-136			10.2	20
1,2,3-Trichloropropane	0.0250	0.0240	0.0249	96.1	99.7	73.0-124			3.69	20
1,2,3-Trimethylbenzene	0.0250	0.0245	0.0269	97.9	108	76.0-120			9.52	20
1,2,4-Trimethylbenzene	0.0250	0.0241	0.0270	96.4	108	75.0-120			11.4	20
1,3,5-Trimethylbenzene	0.0250	0.0241	0.0269	96.4	107	75.0-120			10.8	20
Vinyl acetate	0.125	0.131	0.126	105	101	58.0-156			3.79	20
Vinyl chloride	0.0250	0.0256	0.0266	102	106	63.0-134			3.62	20
Xylenes, Total	0.0750	0.0760	0.0840	101	112	77.0-120			10.0	20
(S) Toluene-d8				*106*	*111*	*80.0-120*				
(S) Dibromofluoromethane				*94.4*	*90.3*	*74.0-131*				
(S) 4-Bromofluorobenzene				*91.6*	*95.3*	*64.0-132*				

L981973-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L981973-02 04/04/18 20:27 • (MS) R3299152-4 04/04/18 20:49 • (MSD) R3299152-5 04/04/18 21:10

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acetone	0.143	U	115	109	80.7	76.6	1000	10.0-160			5.14	36
Acrylonitrile	0.143	U	91.4	86.5	64.1	60.7	1000	14.0-160			5.42	33
Benzene	0.0285	9.59	22.6	22.4	45.5	44.9	1000	13.0-146			0.710	27
Bromobenzene	0.0285	U	15.8	15.3	55.3	53.6	1000	10.0-149			3.18	33
Bromodichloromethane	0.0285	U	15.4	15.0	53.9	52.5	1000	15.0-142			2.75	28
Bromochloromethane	0.0285	U	15.0	15.0	52.6	52.6	1000	24.0-146			0.0158	27
Bromoform	0.0285	U	16.4	15.5	57.5	54.4	1000	10.0-147			5.59	31
Bromomethane	0.0285	U	9.93	9.65	34.8	33.8	1000	10.0-160			2.95	32
n-Butylbenzene	0.0285	1.90	16.2	16.0	50.2	49.4	1000	10.0-154			1.43	37
sec-Butylbenzene	0.0285	0.730	15.5	15.3	51.7	51.0	1000	10.0-151			1.43	36
tert-Butylbenzene	0.0285	U	15.7	15.4	54.9	54.0	1000	10.0-152			1.65	35
Carbon disulfide	0.0285	U	11.1	11.5	39.0	40.2	1000	10.0-141			3.15	30
Carbon tetrachloride	0.0285	U	13.1	14.1	46.0	49.5	1000	13.0-140			7.34	30
Chlorobenzene	0.0285	U	15.6	15.2	54.8	53.2	1000	10.0-149			3.04	31
Chlorodibromomethane	0.0285	U	16.6	15.8	58.3	55.4	1000	12.0-147			5.17	29
Chloroethane	0.0285	U	9.82	9.73	34.5	34.1	1000	10.0-159			0.918	33
Chloroform	0.0285	U	14.8	14.8	51.8	51.8	1000	18.0-148			0.00927	28
Chloromethane	0.0285	U	5.61	5.77	19.7	20.2	1000	10.0-146			2.88	29
2-Chlorotoluene	0.0285	U	16.3	15.9	57.2	55.8	1000	10.0-151			2.39	35
4-Chlorotoluene	0.0285	U	14.2	14.1	49.8	49.5	1000	10.0-150			0.752	35
1,2-Dibromo-3-Chloropropane	0.0285	U	16.6	14.8	58.2	51.9	1000	10.0-149			11.5	34
1,2-Dibromoethane	0.0285	U	16.4	15.3	57.4	53.8	1000	14.0-145			6.42	28
Dibromomethane	0.0285	U	16.1	15.4	56.6	54.1	1000	18.0-144			4.52	27
1,2-Dichlorobenzene	0.0285	U	15.6	15.4	54.7	54.0	1000	10.0-153			1.23	34
1,3-Dichlorobenzene	0.0285	U	15.3	14.8	53.6	51.9	1000	10.0-150			3.17	35
1,4-Dichlorobenzene	0.0285	U	14.7	14.4	51.4	50.6	1000	10.0-148			1.49	34
trans-1,4-Dichloro-2-butene	0.0285	U	18.3	17.6	64.1	61.7	1000	10.0-160			3.84	40
Dichlorodifluoromethane	0.0285	U	1.17	1.22	4.11	4.29	1000	10.0-160	J6	J6	4.15	30
1,1-Dichloroethane	0.0285	U	14.0	13.9	49.3	48.8	1000	19.0-148			0.945	28
1,2-Dichloroethane	0.0285	U	14.9	14.5	52.4	50.8	1000	17.0-147			3.19	27
1,1-Dichloroethene	0.0285	U	11.7	12.2	41.2	43.0	1000	10.0-150			4.15	31
cis-1,2-Dichloroethene	0.0285	U	14.1	14.2	49.4	50.0	1000	16.0-145			1.22	28
trans-1,2-Dichloroethene	0.0285	U	13.5	13.3	47.2	46.8	1000	11.0-142			0.779	29
1,2-Dichloropropane	0.0285	U	16.0	15.3	56.2	53.6	1000	17.0-148			4.59	28
1,1-Dichloropropene	0.0285	U	13.4	13.5	46.9	47.3	1000	10.0-150			0.798	30
1,3-Dichloropropane	0.0285	U	15.9	15.3	55.7	53.6	1000	16.0-148			3.92	27
cis-1,3-Dichloropropene	0.0285	U	15.5	15.0	54.3	52.6	1000	13.0-150			3.22	28
trans-1,3-Dichloropropene	0.0285	U	15.6	15.1	54.6	52.9	1000	10.0-152			3.18	29
2,2-Dichloropropane	0.0285	U	11.9	12.9	41.7	45.4	1000	16.0-143			8.44	30

L981973-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L981973-02 04/04/18 20:27 • (MS) R3299152-4 04/04/18 20:49 • (MSD) R3299152-5 04/04/18 21:10

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Di-isopropyl ether	0.0285	U	15.0	14.7	52.7	51.6	1000	16.0-149			2.18	28
Ethylbenzene	0.0285	20.4	35.7	34.9	53.4	50.9	1000	10.0-147			2.07	31
Hexachloro-1,3-butadiene	0.0285	U	15.2	15.3	53.3	53.8	1000	10.0-154			0.925	40
2-Hexanone	0.143	U	81.0	74.3	56.8	52.1	1000	12.0-158			8.60	30
n-Hexane	0.0285	38.7	47.9	47.7	32.1	31.5	1000	10.0-140			0.386	34
Iodomethane	0.143	U	64.7	66.1	45.4	46.4	1000	10.0-157			2.10	34
Isopropylbenzene	0.0285	1.92	16.9	16.6	52.5	51.6	1000	10.0-147			1.54	33
p-Isopropyltoluene	0.0285	0.449	16.8	16.4	57.2	55.8	1000	10.0-156			2.51	37
2-Butanone (MEK)	0.143	U	96.2	90.6	67.5	63.6	1000	10.0-160			6.00	33
Methylene Chloride	0.0285	U	13.7	13.5	48.0	47.4	1000	16.0-139			1.24	29
4-Methyl-2-pentanone (MIBK)	0.143	U	94.2	85.6	66.1	60.1	1000	12.0-160			9.55	32
Methyl tert-butyl ether	0.0285	U	15.1	14.4	53.1	50.4	1000	21.0-145			5.37	29
Naphthalene	0.0285	5.26	21.4	20.6	56.6	53.9	1000	10.0-153			3.73	36
n-Propylbenzene	0.0285	7.60	21.8	21.3	50.0	48.2	1000	10.0-151			2.38	34
Styrene	0.0285	U	16.4	16.1	57.7	56.5	1000	10.0-155			2.13	34
1,1,1,2-Tetrachloroethane	0.0285	U	16.5	16.2	58.0	56.9	1000	10.0-147			2.05	30
1,1,2,2-Tetrachloroethane	0.0285	U	14.9	13.9	52.4	48.8	1000	10.0-155			7.19	31
Tetrachloroethene	0.0285	U	15.2	14.7	53.2	51.5	1000	10.0-144			3.13	32
Toluene	0.0285	69.0	81.4	78.8	43.6	34.5	1000	10.0-144			3.23	28
1,1,2-Trichlorotrifluoroethane	0.0285	U	12.6	12.8	44.2	44.9	1000	10.0-153			1.56	33
1,2,3-Trichlorobenzene	0.0285	U	15.5	15.5	54.3	54.4	1000	10.0-153			0.162	40
1,2,4-Trichlorobenzene	0.0285	U	14.7	14.4	51.6	50.5	1000	10.0-156			2.24	40
1,1,1-Trichloroethane	0.0285	U	13.9	13.8	48.7	48.4	1000	18.0-145			0.575	29
1,1,2-Trichloroethane	0.0285	U	17.2	16.5	60.3	57.9	1000	12.0-151			4.08	28
Trichloroethene	0.0285	U	15.7	16.0	55.0	56.0	1000	11.0-148			1.82	29
Trichlorofluoromethane	0.0285	U	11.6	11.8	40.6	41.3	1000	10.0-157			1.66	34
1,2,3-Trichloropropane	0.0285	U	15.3	14.5	53.8	51.0	1000	10.0-154			5.42	32
1,2,3-Trimethylbenzene	0.0285	10.7	25.9	25.1	53.4	50.6	1000	10.0-150			3.07	33
1,2,4-Trimethylbenzene	0.0285	46.3	59.8	58.2	47.5	41.9	1000	10.0-151			2.69	34
1,3,5-Trimethylbenzene	0.0285	12.8	27.5	26.9	51.4	49.3	1000	10.0-150			2.23	33
Vinyl acetate	0.143	U	59.8	49.6	42.0	34.8	1000	10.0-160			18.7	40
Vinyl chloride	0.0285	U	7.18	7.45	25.2	26.1	1000	10.0-150			3.70	29
Xylenes, Total	0.0855	113	157	152	52.3	46.3	1000	10.0-150			3.32	31
(S) Toluene-d8					*106*	*106*		*80.0-120*				
(S) Dibromofluoromethane					*92.8*	*90.8*		*74.0-131*				
(S) 4-Bromofluorobenzene					*92.2*	*92.4*		*64.0-132*				

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Abbreviations and Definitions

(dry)	Results are reported based on the dry weight of the sample. [this will only be present on a dry report basis for soils].
MDL	Method Detection Limit.
MDL (dry)	Method Detection Limit.
RDL	Reported Detection Limit.
RDL (dry)	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
J	The identification of the analyte is acceptable; the reported value is an estimate.
J0	J0: Calibration verification outside of acceptance limits. Result is estimated.
J1	Surrogate recovery limits have been exceeded; values are outside upper control limits.
J2	Surrogate recovery limits have been exceeded; values are outside lower control limits.
J3	The associated batch QC was outside the established quality control range for precision.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.
V3	The internal standard exhibited poor recovery due to sample matrix interference. The analytical results will be biased high. BDL results will be unaffected.

ACCREDITATIONS & LOCATIONS

ESC Lab Sciences is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our one location design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be YOUR LAB OF CHOICE.
* Not all certifications held by the laboratory are applicable to the results reported in the attached report.
* Accreditation is only applicable to the test methods specified on each scope of accreditation held by ESC Lab Sciences.

State Accreditations

Alabama	40660
Alaska	17-026
Arizona	AZ0612
Arkansas	88-0469
California	2932
Colorado	TN00003
Connecticut	PH-0197
Florida	E87487
Georgia	NELAP
Georgia[1]	923
Idaho	TN00003
Illinois	200008
Indiana	C-TN-01
Iowa	364
Kansas	E-10277
Kentucky[1 6]	90010
Kentucky[2]	16
Louisiana	AI30792
Louisiana[1]	LA180010
Maine	TN0002
Maryland	324
Massachusetts	M-TN003
Michigan	9958
Minnesota	047-999-395
Mississippi	TN00003
Missouri	340
Montana	CERT0086
Nebraska	NE-OS-15-05
Nevada	TN-03-2002-34
New Hampshire	2975
New Jersey–NELAP	TN002
New Mexico[1]	n/a
New York	11742
North Carolina	Env375
North Carolina[1]	DW21704
North Carolina[3]	41
North Dakota	R-140
Ohio–VAP	CL0069
Oklahoma	9915
Oregon	TN200002
Pennsylvania	68-02979
Rhode Island	LAO00356
South Carolina	84004
South Dakota	n/a
Tennessee[1 4]	2006
Texas	T 104704245-17-14
Texas[5]	LAB0152
Utah	TN00003
Vermont	VT2006
Virginia	460132
Washington	C847
West Virginia	233
Wisconsin	9980939910
Wyoming	A2LA

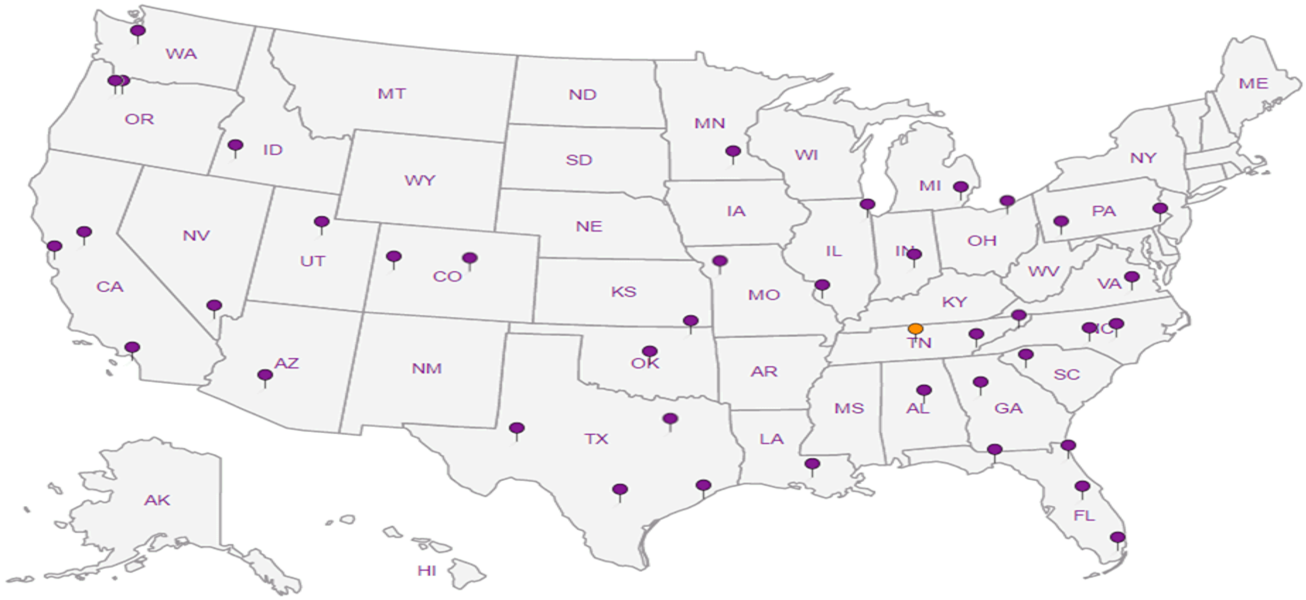
Third Party Federal Accreditations

A2LA – ISO 17025	1461.01
A2LA – ISO 17025[5]	1461.02
Canada	1461.01
EPA–Crypto	TN00003
AIHA-LAP,LLC EMLAP	100789
DOD	1461.01
USDA	P330-15-00234

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

Our Locations

ESC Lab Sciences has sixty-four client support centers that provide sample pickup and/or the delivery of sampling supplies. If you would like assistance from one of our support offices, please contact our main office. ESC Lab Sciences performs all testing at our central laboratory.



PES Environmental, Inc.- WA

1215 Fourth Ave., Suite 1350
Seattle, WA 98161

Billing Information:
Attn: Accounts Payable
1215 Fourth Ave., Ste. 1350
Seattle, WA 98161

Pres Chk

Analysis / Container / Preservative

Chain of Custody Page ___ of ___

ESC
LAB SCIENCES
a subsidiary of Pace Analytical

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

Report to:
Brian O'Neal/Bill Haldeman

Email To: boneal@pesenv.com; bhaldeman@pesenv.com

Project Description:

City/State Collected: Seattle WA

Phone: 206-529-3980
Fax: 206-529-3985

Client Project #
1413.001.05.601

Lab Project #
PESENVSWA-ALP

L# 982183

H166

Collected by (print): Dan Johnson

Site/Facility ID #

P.O. #

Collected by (signature): Dan Johnson

Immediately Packed on Ice N ___ Y X

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Acctnum: PESENVSWA
Template: T134189
Prelogin: P645236
TSR: 110 - Brian Ford
PB: 3-22-18
Shipped Via: FedEX Ground

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	NWTPHGX 40ml/NaHS04/Syr/MeOH	VOCs V8260C 40ml/NaHS04/Syr/MeOH	dry wt, voc screen 2ozClr-NoPres	Remarks	Sample # (lab only)
B-243-5	Grab	SS	5	3-29-18	1318	5	X	X			-01
B-243-10		SS	10		1329		X	X			-02
B-243-15		SS	15		1343		X	X			-03
B-243-20		SS	20		1348		X	X			-04
B-243-25		SS	25		1353		X	X			-05
B-243-30		SS	30		1357		X	X			-06
B-243-35		SS	35		1403		X	X			-07
B-243-~~40~~42		SS	42		1421		X	X			-08
B-243-45		SS	45		1428		X	X			-09
B-243-50		SS	50		1435		X	X			-10

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other ________

Remarks:

pH ______ Temp ______

Flow ______ Other ______

Sample Receipt Checklist
COC Seal Present/Intact: ___NP X Y ___N
COC Signed/Accurate: X Y ___N
Bottles arrive intact: X Y ___N
Correct bottles used: X Y ___N
Sufficient volume sent: ___Y ___N
If Applicable
VOA Zero Headspace: ___Y ___N
Preservation Correct/Checked: ___Y ___N

Samples returned via:
___ UPS X FedEx ___ Courier ___

Tracking # 4196 3255 9257

Relinquished by : (Signature)	Date: 3-30-18	Time: 1600	Received by: (Signature)	Trip Blank Received: Yes / [✓ No] HCL / MeoH TBR	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 3.3 °C Bottles Received: 55	If preservation required by Login: Date/Time
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature) Kathryn Carson	Date: 3-31-18 Time: 0845	Hold: Condition: NCF / [✓ OK]

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch
Analyte	%			date / time	
Total Solids	86.1		1	04/05/2018 15:33	WG1094159

Volatile Organic Compounds (GC) by Method NWTPHGX

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	U		0.0394	0.116	1	04/03/2018 03:22	WG1092639
(S) a,a,a-Trifluorotoluene(FID)	*103*			*77.0-120*		*04/03/2018 03:22*	WG1092639

Volatile Organic Compounds (GC/MS) by Method 8260C

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J3	0.0116	0.0581	1	04/03/2018 19:08	WG1092919
Acrylonitrile	U		0.00208	0.0116	1	04/03/2018 19:08	WG1092919
Benzene	U		0.000314	0.00116	1	04/03/2018 19:08	WG1092919
Bromobenzene	U		0.000330	0.00116	1	04/03/2018 19:08	WG1092919
Bromodichloromethane	U		0.000295	0.00116	1	04/03/2018 19:08	WG1092919
Bromochloromethane	U		0.000453	0.00581	1	04/03/2018 19:08	WG1092919
Bromoform	U		0.000492	0.00116	1	04/03/2018 19:08	WG1092919
Bromomethane	U		0.00156	0.00581	1	04/03/2018 19:08	WG1092919
n-Butylbenzene	U		0.000300	0.00116	1	04/03/2018 19:08	WG1092919
sec-Butylbenzene	U		0.000233	0.00116	1	04/03/2018 19:08	WG1092919
tert-Butylbenzene	U		0.000239	0.00116	1	04/03/2018 19:08	WG1092919
Carbon disulfide	U	J3	0.000257	0.00116	1	04/03/2018 19:08	WG1092919
Carbon tetrachloride	U		0.000381	0.00116	1	04/03/2018 19:08	WG1092919
Chlorobenzene	U		0.000246	0.00116	1	04/03/2018 19:08	WG1092919
Chlorodibromomethane	U		0.000433	0.00116	1	04/03/2018 19:08	WG1092919
Chloroethane	U		0.00110	0.00581	1	04/03/2018 19:08	WG1092919
Chloroform	U		0.000266	0.00581	1	04/03/2018 19:08	WG1092919
Chloromethane	U	J3	0.000436	0.00290	1	04/03/2018 19:08	WG1092919
2-Chlorotoluene	U		0.000350	0.00116	1	04/03/2018 19:08	WG1092919
4-Chlorotoluene	U		0.000279	0.00116	1	04/03/2018 19:08	WG1092919
1,2-Dibromo-3-Chloropropane	U		0.00122	0.00581	1	04/03/2018 19:08	WG1092919
1,2-Dibromoethane	U		0.000398	0.00116	1	04/03/2018 19:08	WG1092919
Dibromomethane	U		0.000444	0.00116	1	04/03/2018 19:08	WG1092919
1,2-Dichlorobenzene	U		0.000354	0.00116	1	04/03/2018 19:08	WG1092919
1,3-Dichlorobenzene	U		0.000278	0.00116	1	04/03/2018 19:08	WG1092919
1,4-Dichlorobenzene	U		0.000262	0.00116	1	04/03/2018 19:08	WG1092919
Dichlorodifluoromethane	U	J3	0.000828	0.00581	1	04/03/2018 19:08	WG1092919
1,1-Dichloroethane	U		0.000231	0.00116	1	04/03/2018 19:08	WG1092919
1,2-Dichloroethane	U		0.000308	0.00116	1	04/03/2018 19:08	WG1092919
1,1-Dichloroethene	U	J3	0.000352	0.00116	1	04/03/2018 19:08	WG1092919
cis-1,2-Dichloroethene	U		0.000273	0.00116	1	04/03/2018 19:08	WG1092919
trans-1,2-Dichloroethene	U		0.000307	0.00116	1	04/03/2018 19:08	WG1092919
1,2-Dichloropropane	U		0.000416	0.00116	1	04/03/2018 19:08	WG1092919
1,1-Dichloropropene	U		0.000368	0.00116	1	04/03/2018 19:08	WG1092919
1,3-Dichloropropane	U		0.000240	0.00116	1	04/03/2018 19:08	WG1092919
cis-1,3-Dichloropropene	U		0.000304	0.00116	1	04/03/2018 19:08	WG1092919
trans-1,3-Dichloropropene	U		0.000310	0.00116	1	04/03/2018 19:08	WG1092919
trans-1,4-Dichloro-2-butene	U		0.000904	0.00290	1	04/03/2018 19:08	WG1092919
2,2-Dichloropropane	U		0.000324	0.00116	1	04/03/2018 19:08	WG1092919
Di-isopropyl ether	U		0.000288	0.00116	1	04/03/2018 19:08	WG1092919
Ethylbenzene	U		0.000345	0.00116	1	04/03/2018 19:08	WG1092919
Hexachloro-1,3-butadiene	U		0.000397	0.00116	1	04/03/2018 19:08	WG1092919
2-Hexanone	U	J3	0.00159	0.0116	1	04/03/2018 19:08	WG1092919
n-Hexane	U	J3	0.000337	0.0116	1	04/03/2018 19:08	WG1092919

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Iodomethane	U	J3	0.00294	0.0116	1	04/03/2018 19:08	WG1092919
Isopropylbenzene	U		0.000282	0.00116	1	04/03/2018 19:08	WG1092919
p-Isopropyltoluene	U		0.000237	0.00116	1	04/03/2018 19:08	WG1092919
2-Butanone (MEK)	U	J3	0.00544	0.0116	1	04/03/2018 19:08	WG1092919
Methylene Chloride	U		0.00116	0.00581	1	04/03/2018 19:08	WG1092919
4-Methyl-2-pentanone (MIBK)	U		0.00218	0.0116	1	04/03/2018 19:08	WG1092919
Methyl tert-butyl ether	U		0.000246	0.00116	1	04/03/2018 19:08	WG1092919
Naphthalene	U		0.00116	0.00581	1	04/03/2018 19:08	WG1092919
n-Propylbenzene	U		0.000239	0.00116	1	04/03/2018 19:08	WG1092919
Styrene	U		0.000272	0.00116	1	04/03/2018 19:08	WG1092919
1,1,1,2-Tetrachloroethane	U		0.000307	0.00116	1	04/03/2018 19:08	WG1092919
1,1,2,2-Tetrachloroethane	U		0.000424	0.00116	1	04/03/2018 19:08	WG1092919
1,1,2-Trichlorotrifluoroethane	U		0.000424	0.00116	1	04/03/2018 19:08	WG1092919
Tetrachloroethene	0.0560		0.000321	0.00116	1	04/03/2018 19:08	WG1092919
Toluene	U		0.000504	0.00581	1	04/03/2018 19:08	WG1092919
1,2,3-Trichlorobenzene	U		0.000355	0.00116	1	04/03/2018 19:08	WG1092919
1,2,4-Trichlorobenzene	U		0.000451	0.00116	1	04/03/2018 19:08	WG1092919
1,1,1-Trichloroethane	U		0.000332	0.00116	1	04/03/2018 19:08	WG1092919
1,1,2-Trichloroethane	U		0.000322	0.00116	1	04/03/2018 19:08	WG1092919
Trichloroethene	U		0.000324	0.00116	1	04/03/2018 19:08	WG1092919
Trichlorofluoromethane	U		0.000444	0.00581	1	04/03/2018 19:08	WG1092919
1,2,3-Trichloropropane	U		0.000861	0.00290	1	04/03/2018 19:08	WG1092919
1,2,4-Trimethylbenzene	U		0.000245	0.00116	1	04/03/2018 19:08	WG1092919
1,2,3-Trimethylbenzene	U		0.000333	0.00116	1	04/03/2018 19:08	WG1092919
1,3,5-Trimethylbenzene	U		0.000309	0.00116	1	04/03/2018 19:08	WG1092919
Vinyl acetate	U		0.00278	0.0116	1	04/03/2018 19:08	WG1092919
Vinyl chloride	U	J3	0.000338	0.00116	1	04/03/2018 19:08	WG1092919
Xylenes, Total	U		0.000811	0.00348	1	04/03/2018 19:08	WG1092919
(S) Toluene-d8	*102*			*80.0-120*		*04/03/2018 19:08*	WG1092919
(S) Dibromofluoromethane	*101*			*74.0-131*		*04/03/2018 19:08*	WG1092919
(S) 4-Bromofluorobenzene	*103*			*64.0-132*		*04/03/2018 19:08*	WG1092919

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Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	88.0		1	04/05/2018 15:33	WG1094159

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	0.619		0.0385	0.114	1	04/03/2018 03:46	WG1092639
(S) a,a,a-Trifluorotoluene(FID)	*103*			*77.0-120*		*04/03/2018 03:46*	WG1092639

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U	J3	0.0114	0.0568	1	04/04/2018 16:27	WG1092919
Acrylonitrile	U		0.00203	0.0114	1	04/04/2018 16:27	WG1092919
Benzene	U		0.000307	0.00114	1	04/04/2018 16:27	WG1092919
Bromobenzene	U		0.000323	0.00114	1	04/04/2018 16:27	WG1092919
Bromodichloromethane	U		0.000289	0.00114	1	04/04/2018 16:27	WG1092919
Bromochloromethane	U		0.000443	0.00568	1	04/04/2018 16:27	WG1092919
Bromoform	U		0.000482	0.00114	1	04/04/2018 16:27	WG1092919
Bromomethane	U		0.00152	0.00568	1	04/04/2018 16:27	WG1092919
n-Butylbenzene	0.00143		0.000293	0.00114	1	04/04/2018 16:27	WG1092919
sec-Butylbenzene	0.000993 J	J	0.000228	0.00114	1	04/04/2018 16:27	WG1092919
tert-Butylbenzene	0.000445 J	J	0.000234	0.00114	1	04/04/2018 16:27	WG1092919
Carbon disulfide	U	J3	0.000251	0.00114	1	04/04/2018 16:27	WG1092919
Carbon tetrachloride	U		0.000373	0.00114	1	04/04/2018 16:27	WG1092919
Chlorobenzene	U		0.000241	0.00114	1	04/04/2018 16:27	WG1092919
Chlorodibromomethane	U		0.000424	0.00114	1	04/04/2018 16:27	WG1092919
Chloroethane	U		0.00107	0.00568	1	04/04/2018 16:27	WG1092919
Chloroform	U		0.000260	0.00568	1	04/04/2018 16:27	WG1092919
Chloromethane	U	J3	0.000426	0.00284	1	04/04/2018 16:27	WG1092919
2-Chlorotoluene	U		0.000342	0.00114	1	04/04/2018 16:27	WG1092919
4-Chlorotoluene	U		0.000273	0.00114	1	04/04/2018 16:27	WG1092919
1,2-Dibromo-3-Chloropropane	U		0.00119	0.00568	1	04/04/2018 16:27	WG1092919
1,2-Dibromoethane	U		0.000390	0.00114	1	04/04/2018 16:27	WG1092919
Dibromomethane	U		0.000434	0.00114	1	04/04/2018 16:27	WG1092919
1,2-Dichlorobenzene	U		0.000346	0.00114	1	04/04/2018 16:27	WG1092919
1,3-Dichlorobenzene	U		0.000271	0.00114	1	04/04/2018 16:27	WG1092919
1,4-Dichlorobenzene	U		0.000257	0.00114	1	04/04/2018 16:27	WG1092919
Dichlorodifluoromethane	U	J3	0.000810	0.00568	1	04/04/2018 16:27	WG1092919
1,1-Dichloroethane	U		0.000226	0.00114	1	04/04/2018 16:27	WG1092919
1,2-Dichloroethane	U		0.000301	0.00114	1	04/04/2018 16:27	WG1092919
1,1-Dichloroethene	U	J3	0.000344	0.00114	1	04/04/2018 16:27	WG1092919
cis-1,2-Dichloroethene	0.000267 J	J	0.000267	0.00114	1	04/04/2018 16:27	WG1092919
trans-1,2-Dichloroethene	U		0.000300	0.00114	1	04/04/2018 16:27	WG1092919
1,2-Dichloropropane	U		0.000407	0.00114	1	04/04/2018 16:27	WG1092919
1,1-Dichloropropene	U		0.000360	0.00114	1	04/04/2018 16:27	WG1092919
1,3-Dichloropropane	U		0.000235	0.00114	1	04/04/2018 16:27	WG1092919
cis-1,3-Dichloropropene	U		0.000298	0.00114	1	04/04/2018 16:27	WG1092919
trans-1,3-Dichloropropene	U		0.000303	0.00114	1	04/04/2018 16:27	WG1092919
trans-1,4-Dichloro-2-butene	U		0.000884	0.00284	1	04/04/2018 16:27	WG1092919
2,2-Dichloropropane	U		0.000317	0.00114	1	04/04/2018 16:27	WG1092919
Di-isopropyl ether	U		0.000282	0.00114	1	04/04/2018 16:27	WG1092919
Ethylbenzene	U		0.000337	0.00114	1	04/04/2018 16:27	WG1092919
Hexachloro-1,3-butadiene	U		0.000388	0.00114	1	04/04/2018 16:27	WG1092919
2-Hexanone	U	J3	0.00156	0.0114	1	04/04/2018 16:27	WG1092919
n-Hexane	0.000483 J	J J3	0.000329	0.0114	1	04/04/2018 16:27	WG1092919

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Iodomethane	U	J3	0.00287	0.0114	1	04/04/2018 16:27	WG1092919
Isopropylbenzene	U		0.000276	0.00114	1	04/04/2018 16:27	WG1092919
p-Isopropyltoluene	0.000749 J	J	0.000232	0.00114	1	04/04/2018 16:27	WG1092919
2-Butanone (MEK)	U	J3	0.00532	0.0114	1	04/04/2018 16:27	WG1092919
Methylene Chloride	U		0.00114	0.00568	1	04/04/2018 16:27	WG1092919
4-Methyl-2-pentanone (MIBK)	U		0.00214	0.0114	1	04/04/2018 16:27	WG1092919
Methyl tert-butyl ether	U		0.000241	0.00114	1	04/04/2018 16:27	WG1092919
Naphthalene	U		0.00114	0.00568	1	04/04/2018 16:27	WG1092919
n-Propylbenzene	U		0.000234	0.00114	1	04/04/2018 16:27	WG1092919
Styrene	U		0.000266	0.00114	1	04/04/2018 16:27	WG1092919
1,1,1,2-Tetrachloroethane	U		0.000300	0.00114	1	04/04/2018 16:27	WG1092919
1,1,2,2-Tetrachloroethane	U		0.000415	0.00114	1	04/04/2018 16:27	WG1092919
1,1,2-Trichlorotrifluoroethane	U		0.000415	0.00114	1	04/04/2018 16:27	WG1092919
Tetrachloroethene	6.96		0.0627	0.227	200	04/08/2018 17:53	WG1092919-1
Toluene	U		0.000493	0.00568	1	04/04/2018 16:27	WG1092919
1,2,3-Trichlorobenzene	U		0.000348	0.00114	1	04/04/2018 16:27	WG1092919
1,2,4-Trichlorobenzene	U		0.000441	0.00114	1	04/04/2018 16:27	WG1092919
1,1,1-Trichloroethane	U		0.000325	0.00114	1	04/04/2018 16:27	WG1092919
1,1,2-Trichloroethane	U		0.000315	0.00114	1	04/04/2018 16:27	WG1092919
Trichloroethene	0.00115		0.000317	0.00114	1	04/04/2018 16:27	WG1092919
Trichlorofluoromethane	U		0.000434	0.00568	1	04/04/2018 16:27	WG1092919
1,2,3-Trichloropropane	U		0.000842	0.00284	1	04/04/2018 16:27	WG1092919
1,2,4-Trimethylbenzene	0.00226		0.000240	0.00114	1	04/04/2018 16:27	WG1092919
1,2,3-Trimethylbenzene	U		0.000326	0.00114	1	04/04/2018 16:27	WG1092919
1,3,5-Trimethylbenzene	0.00110 J	J	0.000302	0.00114	1	04/04/2018 16:27	WG1092919
Vinyl acetate	U		0.00271	0.0114	1	04/04/2018 16:27	WG1092919
Vinyl chloride	U	J3	0.000331	0.00114	1	04/04/2018 16:27	WG1092919
Xylenes, Total	U		0.000793	0.00341	1	04/04/2018 16:27	WG1092919
(S) Toluene-d8	*109*			*80.0-120*		*04/04/2018 16:27*	WG1092919
(S) Toluene-d8	*104*			*80.0-120*		*04/08/2018 17:53*	WG1092919-1
(S) Dibromofluoromethane	*98.7*			*74.0-131*		*04/04/2018 16:27*	WG1092919
(S) Dibromofluoromethane	*110*			*74.0-131*		*04/08/2018 17:53*	WG1092919-1
(S) 4-Bromofluorobenzene	*116*			*64.0-132*		*04/04/2018 16:27*	WG1092919
(S) 4-Bromofluorobenzene	*99.6*			*64.0-132*		*04/08/2018 17:53*	WG1092919-1

JC 4/25/18

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	88.4		1	04/05/2018 15:19	WG1094162

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	1.64 J	V3	0.0384	0.113	1	04/08/2018 22:16	WG1092639
(S) a,a,a-Trifluorotoluene(FID)	*62.3*	J2		*77.0-120*		*04/08/2018 22:16*	WG1092639

Sample Narrative:

L982183-03 WG1092639: Previous run also had low IS/SURR recovery. Matrix effect.

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U UJ	J0	0.283	1.41	25	04/09/2018 13:27	WG1092919-3
Acrylonitrile	U		0.0507	0.283	25	04/09/2018 13:27	WG1092919-3
Benzene	U		0.00764	0.0283	25	04/09/2018 13:27	WG1092919-3
Bromobenzene	U		0.00803	0.0283	25	04/09/2018 13:27	WG1092919-3
Bromodichloromethane	U		0.00719	0.0283	25	04/09/2018 13:27	WG1092919-3
Bromochloromethane	U		0.0110	0.141	25	04/09/2018 13:27	WG1092919-3
Bromoform	U UJ	J0	0.0120	0.0283	25	04/09/2018 13:27	WG1092919-3
Bromomethane	U		0.0379	0.141	25	04/09/2018 13:27	WG1092919-3
n-Butylbenzene	U		0.00730	0.0283	25	04/09/2018 13:27	WG1092919-3
sec-Butylbenzene	U		0.00568	0.0283	25	04/09/2018 13:27	WG1092919-3
tert-Butylbenzene	U		0.00583	0.0283	25	04/09/2018 13:27	WG1092919-3
Carbon disulfide	U		0.00625	0.0283	25	04/09/2018 13:27	WG1092919-3
Carbon tetrachloride	U		0.00928	0.0283	25	04/09/2018 13:27	WG1092919-3
Chlorobenzene	U		0.00600	0.0283	25	04/09/2018 13:27	WG1092919-3
Chlorodibromomethane	U		0.0105	0.0283	25	04/09/2018 13:27	WG1092919-3
Chloroethane	U		0.0267	0.141	25	04/09/2018 13:27	WG1092919-3
Chloroform	U		0.00647	0.141	25	04/09/2018 13:27	WG1092919-3
Chloromethane	U UJ	J0	0.0106	0.0707	25	04/09/2018 13:27	WG1092919-3
2-Chlorotoluene	U		0.00851	0.0283	25	04/09/2018 13:27	WG1092919-3
4-Chlorotoluene	U		0.00679	0.0283	25	04/09/2018 13:27	WG1092919-3
1,2-Dibromo-3-Chloropropane	U		0.0296	0.141	25	04/09/2018 13:27	WG1092919-3
1,2-Dibromoethane	U		0.00971	0.0283	25	04/09/2018 13:27	WG1092919-3
Dibromomethane	U		0.0108	0.0283	25	04/09/2018 13:27	WG1092919-3
1,2-Dichlorobenzene	U		0.00862	0.0283	25	04/09/2018 13:27	WG1092919-3
1,3-Dichlorobenzene	U		0.00677	0.0283	25	04/09/2018 13:27	WG1092919-3
1,4-Dichlorobenzene	U		0.00639	0.0283	25	04/09/2018 13:27	WG1092919-3
Dichlorodifluoromethane	U UJ	J0	0.0201	0.141	25	04/09/2018 13:27	WG1092919-3
1,1-Dichloroethane	U		0.00564	0.0283	25	04/09/2018 13:27	WG1092919-3
1,2-Dichloroethane	U		0.00749	0.0283	25	04/09/2018 13:27	WG1092919-3
1,1-Dichloroethene	U		0.00858	0.0283	25	04/09/2018 13:27	WG1092919-3
cis-1,2-Dichloroethene	U		0.00665	0.0283	25	04/09/2018 13:27	WG1092919-3
trans-1,2-Dichloroethene	U		0.00747	0.0283	25	04/09/2018 13:27	WG1092919-3
1,2-Dichloropropane	U		0.0101	0.0283	25	04/09/2018 13:27	WG1092919-3
1,1-Dichloropropene	U		0.00896	0.0283	25	04/09/2018 13:27	WG1092919-3
1,3-Dichloropropane	U		0.00586	0.0283	25	04/09/2018 13:27	WG1092919-3
cis-1,3-Dichloropropene	U		0.00741	0.0283	25	04/09/2018 13:27	WG1092919-3
trans-1,3-Dichloropropene	U		0.00756	0.0283	25	04/09/2018 13:27	WG1092919-3
trans-1,4-Dichloro-2-butene	U UJ	J0	0.0220	0.0707	25	04/09/2018 13:27	WG1092919-3
2,2-Dichloropropane	U		0.00790	0.0283	25	04/09/2018 13:27	WG1092919-3
Di-isopropyl ether	U UJ	J0	0.00702	0.0283	25	04/09/2018 13:27	WG1092919-3
Ethylbenzene	U		0.00840	0.0283	25	04/09/2018 13:27	WG1092919-3

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B-243-15

SAMPLE RESULTS - 03

Collected date/time: 03/29/18 13:43

L982183

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Hexachloro-1,3-butadiene	U		0.00967	0.0283	25	04/09/2018 13:27	WG1092919-3
2-Hexanone	U		0.0387	0.283	25	04/09/2018 13:27	WG1092919-3
n-Hexane	U		0.00820	0.283	25	04/09/2018 13:27	WG1092919-3
Iodomethane	U		0.0715	0.283	25	04/09/2018 13:27	WG1092919-3
Isopropylbenzene	U		0.00688	0.0283	25	04/09/2018 13:27	WG1092919-3
p-Isopropyltoluene	U		0.00577	0.0283	25	04/09/2018 13:27	WG1092919-3
2-Butanone (MEK)	U UJ	J0	0.132	0.283	25	04/09/2018 13:27	WG1092919-3
Methylene Chloride	U		0.0283	0.141	25	04/09/2018 13:27	WG1092919-3
4-Methyl-2-pentanone (MIBK)	U		0.0532	0.283	25	04/09/2018 13:27	WG1092919-3
Methyl tert-butyl ether	U		0.00600	0.0283	25	04/09/2018 13:27	WG1092919-3
Naphthalene	U		0.0283	0.141	25	04/09/2018 13:27	WG1092919-3
n-Propylbenzene	U		0.00583	0.0283	25	04/09/2018 13:27	WG1092919-3
Styrene	U		0.00662	0.0283	25	04/09/2018 13:27	WG1092919-3
1,1,1,2-Tetrachloroethane	U		0.00747	0.0283	25	04/09/2018 13:27	WG1092919-3
1,1,2,2-Tetrachloroethane	U		0.0103	0.0283	25	04/09/2018 13:27	WG1092919-3
1,1,2-Trichlorotrifluoroethane	U		0.0103	0.0283	25	04/09/2018 13:27	WG1092919-3
Tetrachloroethene	0.888		0.00781	0.0283	25	04/09/2018 13:27	WG1092919-3
Toluene	U		0.0122	0.141	25	04/09/2018 13:27	WG1092919-3
1,2,3-Trichlorobenzene	U		0.00866	0.0283	25	04/09/2018 13:27	WG1092919-3
1,2,4-Trichlorobenzene	U		0.0110	0.0283	25	04/09/2018 13:27	WG1092919-3
1,1,1-Trichloroethane	U		0.00809	0.0283	25	04/09/2018 13:27	WG1092919-3
1,1,2-Trichloroethane	U		0.00783	0.0283	25	04/09/2018 13:27	WG1092919-3
Trichloroethene	U		0.00790	0.0283	25	04/09/2018 13:27	WG1092919-3
Trichlorofluoromethane	U		0.0108	0.141	25	04/09/2018 13:27	WG1092919-3
1,2,3-Trichloropropane	U		0.0209	0.0707	25	04/09/2018 13:27	WG1092919-3
1,2,4-Trimethylbenzene	U		0.00597	0.0283	25	04/09/2018 13:27	WG1092919-3
1,2,3-Trimethylbenzene	U		0.00812	0.0283	25	04/09/2018 13:27	WG1092919-3
1,3,5-Trimethylbenzene	U		0.00752	0.0283	25	04/09/2018 13:27	WG1092919-3
Vinyl acetate	U UJ	J0	0.0677	0.283	25	04/09/2018 13:27	WG1092919-3
Vinyl chloride	U		0.00824	0.0283	25	04/09/2018 13:27	WG1092919-3
Xylenes, Total	U		0.0197	0.0849	25	04/09/2018 13:27	WG1092919-3
(S) Toluene-d8	*113*			*80.0-120*		*04/09/2018 13:27*	WG1092919-3
(S) Dibromofluoromethane	*93.0*			*74.0-131*		*04/09/2018 13:27*	WG1092919-3
(S) 4-Bromofluorobenzene	*90.9*			*64.0-132*		*04/09/2018 13:27*	WG1092919-3

Sample Narrative:

L982183-03 WG1092919-3: Cannot be analyzed at a lower dilution due to high levels of target and non-target analytes.

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Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	86.7		1	04/05/2018 15:19	WG1094162

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	1.11		0.0391	0.115	1	04/03/2018 04:34	WG1092639
(S) a,a,a-Trifluorotoluene(FID)	*102*			*77.0-120*		*04/03/2018 04:34*	WG1092639

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U	J3	0.0115	0.0577	1	04/03/2018 20:37	WG1092919
Acrylonitrile	U		0.00206	0.0115	1	04/03/2018 20:37	WG1092919
Benzene	U		0.000311	0.00115	1	04/03/2018 20:37	WG1092919
Bromobenzene	U		0.000327	0.00115	1	04/03/2018 20:37	WG1092919
Bromodichloromethane	U		0.000293	0.00115	1	04/03/2018 20:37	WG1092919
Bromochloromethane	U		0.000450	0.00577	1	04/03/2018 20:37	WG1092919
Bromoform	U		0.000489	0.00115	1	04/03/2018 20:37	WG1092919
Bromomethane	U		0.00155	0.00577	1	04/03/2018 20:37	WG1092919
n-Butylbenzene	U		0.000298	0.00115	1	04/03/2018 20:37	WG1092919
sec-Butylbenzene	U		0.000232	0.00115	1	04/03/2018 20:37	WG1092919
tert-Butylbenzene	U		0.000238	0.00115	1	04/03/2018 20:37	WG1092919
Carbon disulfide	U	J3	0.000255	0.00115	1	04/03/2018 20:37	WG1092919
Carbon tetrachloride	U		0.000378	0.00115	1	04/03/2018 20:37	WG1092919
Chlorobenzene	U		0.000244	0.00115	1	04/03/2018 20:37	WG1092919
Chlorodibromomethane	U		0.000430	0.00115	1	04/03/2018 20:37	WG1092919
Chloroethane	U		0.00109	0.00577	1	04/03/2018 20:37	WG1092919
Chloroform	U		0.000264	0.00577	1	04/03/2018 20:37	WG1092919
Chloromethane	U	J3	0.000432	0.00288	1	04/03/2018 20:37	WG1092919
2-Chlorotoluene	U		0.000347	0.00115	1	04/03/2018 20:37	WG1092919
4-Chlorotoluene	U		0.000277	0.00115	1	04/03/2018 20:37	WG1092919
1,2-Dibromo-3-Chloropropane	U		0.00121	0.00577	1	04/03/2018 20:37	WG1092919
1,2-Dibromoethane	U		0.000396	0.00115	1	04/03/2018 20:37	WG1092919
Dibromomethane	U		0.000440	0.00115	1	04/03/2018 20:37	WG1092919
1,2-Dichlorobenzene	U		0.000352	0.00115	1	04/03/2018 20:37	WG1092919
1,3-Dichlorobenzene	U		0.000276	0.00115	1	04/03/2018 20:37	WG1092919
1,4-Dichlorobenzene	U		0.000261	0.00115	1	04/03/2018 20:37	WG1092919
Dichlorodifluoromethane	U	J3	0.000822	0.00577	1	04/03/2018 20:37	WG1092919
1,1-Dichloroethane	U		0.000229	0.00115	1	04/03/2018 20:37	WG1092919
1,2-Dichloroethane	U		0.000306	0.00115	1	04/03/2018 20:37	WG1092919
1,1-Dichloroethene	U	J3	0.000349	0.00115	1	04/03/2018 20:37	WG1092919
cis-1,2-Dichloroethene	U		0.000271	0.00115	1	04/03/2018 20:37	WG1092919
trans-1,2-Dichloroethene	U		0.000304	0.00115	1	04/03/2018 20:37	WG1092919
1,2-Dichloropropane	U		0.000413	0.00115	1	04/03/2018 20:37	WG1092919
1,1-Dichloropropene	U		0.000366	0.00115	1	04/03/2018 20:37	WG1092919
1,3-Dichloropropane	U		0.000239	0.00115	1	04/03/2018 20:37	WG1092919
cis-1,3-Dichloropropene	U		0.000302	0.00115	1	04/03/2018 20:37	WG1092919
trans-1,3-Dichloropropene	U		0.000308	0.00115	1	04/03/2018 20:37	WG1092919
trans-1,4-Dichloro-2-butene	U		0.000897	0.00288	1	04/03/2018 20:37	WG1092919
2,2-Dichloropropane	U		0.000322	0.00115	1	04/03/2018 20:37	WG1092919
Di-isopropyl ether	U		0.000286	0.00115	1	04/03/2018 20:37	WG1092919
Ethylbenzene	U		0.000342	0.00115	1	04/03/2018 20:37	WG1092919
Hexachloro-1,3-butadiene	U		0.000394	0.00115	1	04/03/2018 20:37	WG1092919
2-Hexanone	U	J3	0.00158	0.0115	1	04/03/2018 20:37	WG1092919
n-Hexane	U	J3	0.000334	0.0115	1	04/03/2018 20:37	WG1092919

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Iodomethane	U	J3	0.00292	0.0115	1	04/03/2018 20:37	WG1092919
Isopropylbenzene	U		0.000280	0.00115	1	04/03/2018 20:37	WG1092919
p-Isopropyltoluene	U		0.000235	0.00115	1	04/03/2018 20:37	WG1092919
2-Butanone (MEK)	U	J3	0.00540	0.0115	1	04/03/2018 20:37	WG1092919
Methylene Chloride	U		0.00115	0.00577	1	04/03/2018 20:37	WG1092919
4-Methyl-2-pentanone (MIBK)	U		0.00217	0.0115	1	04/03/2018 20:37	WG1092919
Methyl tert-butyl ether	U		0.000244	0.00115	1	04/03/2018 20:37	WG1092919
Naphthalene	U		0.00115	0.00577	1	04/03/2018 20:37	WG1092919
n-Propylbenzene	U		0.000238	0.00115	1	04/03/2018 20:37	WG1092919
Styrene	U		0.000270	0.00115	1	04/03/2018 20:37	WG1092919
1,1,1,2-Tetrachloroethane	U		0.000304	0.00115	1	04/03/2018 20:37	WG1092919
1,1,2,2-Tetrachloroethane	U		0.000421	0.00115	1	04/03/2018 20:37	WG1092919
1,1,2-Trichlorotrifluoroethane	U		0.000421	0.00115	1	04/03/2018 20:37	WG1092919
Tetrachloroethene	25.3		0.796	2.88	2500	04/08/2018 18:37	WG1092919-1
Toluene	U		0.000500	0.00577	1	04/03/2018 20:37	WG1092919
1,2,3-Trichlorobenzene	U		0.000353	0.00115	1	04/03/2018 20:37	WG1092919
1,2,4-Trichlorobenzene	U		0.000447	0.00115	1	04/03/2018 20:37	WG1092919
1,1,1-Trichloroethane	U		0.000330	0.00115	1	04/03/2018 20:37	WG1092919
1,1,2-Trichloroethane	U		0.000319	0.00115	1	04/03/2018 20:37	WG1092919
Trichloroethene	0.0563 J+		0.000322	0.00115	1	04/03/2018 20:37	WG1092919
Trichlorofluoromethane	U		0.000440	0.00577	1	04/03/2018 20:37	WG1092919
1,2,3-Trichloropropane	U		0.000854	0.00288	1	04/03/2018 20:37	WG1092919
1,2,4-Trimethylbenzene	U		0.000243	0.00115	1	04/03/2018 20:37	WG1092919
1,2,3-Trimethylbenzene	U		0.000331	0.00115	1	04/03/2018 20:37	WG1092919
1,3,5-Trimethylbenzene	U		0.000307	0.00115	1	04/03/2018 20:37	WG1092919
Vinyl acetate	U		0.00276	0.0115	1	04/03/2018 20:37	WG1092919
Vinyl chloride	U	J3	0.000336	0.00115	1	04/03/2018 20:37	WG1092919
Xylenes, Total	U		0.000805	0.00346	1	04/03/2018 20:37	WG1092919
(S) Toluene-d8	*101*			*80.0-120*		*04/03/2018 20:37*	WG1092919
(S) Toluene-d8	*104*			*80.0-120*		*04/08/2018 18:37*	WG1092919-1
(S) Dibromofluoromethane	*109*			*74.0-131*		*04/03/2018 20:37*	WG1092919
(S) Dibromofluoromethane	*113*			*74.0-131*		*04/08/2018 18:37*	WG1092919-1
(S) 4-Bromofluorobenzene	*142*	J1		*64.0-132*		*04/03/2018 20:37*	WG1092919
(S) 4-Bromofluorobenzene	*93.2*			*64.0-132*		*04/08/2018 18:37*	WG1092919-1

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Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	89.7		1	04/05/2018 15:19	WG1094162

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	0.568		0.0378	0.111	1	04/03/2018 04:58	WG1092639
(S) a,a,a-Trifluorotoluene(FID)	*103*			*77.0-120*		*04/03/2018 04:58*	WG1092639

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U	J3	0.0111	0.0557	1	04/03/2018 20:58	WG1092919
Acrylonitrile	U		0.00199	0.0111	1	04/03/2018 20:58	WG1092919
Benzene	U		0.000301	0.00111	1	04/03/2018 20:58	WG1092919
Bromobenzene	U		0.000316	0.00111	1	04/03/2018 20:58	WG1092919
Bromodichloromethane	U		0.000283	0.00111	1	04/03/2018 20:58	WG1092919
Bromochloromethane	U		0.000435	0.00557	1	04/03/2018 20:58	WG1092919
Bromoform	U		0.000472	0.00111	1	04/03/2018 20:58	WG1092919
Bromomethane	U		0.00149	0.00557	1	04/03/2018 20:58	WG1092919
n-Butylbenzene	U		0.000288	0.00111	1	04/03/2018 20:58	WG1092919
sec-Butylbenzene	U		0.000224	0.00111	1	04/03/2018 20:58	WG1092919
tert-Butylbenzene	U		0.000230	0.00111	1	04/03/2018 20:58	WG1092919
Carbon disulfide	U	J3	0.000246	0.00111	1	04/03/2018 20:58	WG1092919
Carbon tetrachloride	U		0.000366	0.00111	1	04/03/2018 20:58	WG1092919
Chlorobenzene	U		0.000236	0.00111	1	04/03/2018 20:58	WG1092919
Chlorodibromomethane	U		0.000416	0.00111	1	04/03/2018 20:58	WG1092919
Chloroethane	U		0.00105	0.00557	1	04/03/2018 20:58	WG1092919
Chloroform	U		0.000255	0.00557	1	04/03/2018 20:58	WG1092919
Chloromethane	U	J3	0.000418	0.00279	1	04/03/2018 20:58	WG1092919
2-Chlorotoluene	U		0.000335	0.00111	1	04/03/2018 20:58	WG1092919
4-Chlorotoluene	U		0.000267	0.00111	1	04/03/2018 20:58	WG1092919
1,2-Dibromo-3-Chloropropane	U		0.00117	0.00557	1	04/03/2018 20:58	WG1092919
1,2-Dibromoethane	U		0.000382	0.00111	1	04/03/2018 20:58	WG1092919
Dibromomethane	U		0.000426	0.00111	1	04/03/2018 20:58	WG1092919
1,2-Dichlorobenzene	U		0.000340	0.00111	1	04/03/2018 20:58	WG1092919
1,3-Dichlorobenzene	U		0.000266	0.00111	1	04/03/2018 20:58	WG1092919
1,4-Dichlorobenzene	U		0.000252	0.00111	1	04/03/2018 20:58	WG1092919
Dichlorodifluoromethane	U	J3	0.000795	0.00557	1	04/03/2018 20:58	WG1092919
1,1-Dichloroethane	U		0.000222	0.00111	1	04/03/2018 20:58	WG1092919
1,2-Dichloroethane	U		0.000295	0.00111	1	04/03/2018 20:58	WG1092919
1,1-Dichloroethene	U	J3	0.000338	0.00111	1	04/03/2018 20:58	WG1092919
cis-1,2-Dichloroethene	U		0.000262	0.00111	1	04/03/2018 20:58	WG1092919
trans-1,2-Dichloroethene	U		0.000294	0.00111	1	04/03/2018 20:58	WG1092919
1,2-Dichloropropane	U		0.000399	0.00111	1	04/03/2018 20:58	WG1092919
1,1-Dichloropropene	U		0.000353	0.00111	1	04/03/2018 20:58	WG1092919
1,3-Dichloropropane	U		0.000231	0.00111	1	04/03/2018 20:58	WG1092919
cis-1,3-Dichloropropene	U		0.000292	0.00111	1	04/03/2018 20:58	WG1092919
trans-1,3-Dichloropropene	U		0.000298	0.00111	1	04/03/2018 20:58	WG1092919
trans-1,4-Dichloro-2-butene	U		0.000867	0.00279	1	04/03/2018 20:58	WG1092919
2,2-Dichloropropane	U		0.000311	0.00111	1	04/03/2018 20:58	WG1092919
Di-isopropyl ether	U		0.000276	0.00111	1	04/03/2018 20:58	WG1092919
Ethylbenzene	U		0.000331	0.00111	1	04/03/2018 20:58	WG1092919
Hexachloro-1,3-butadiene	U		0.000381	0.00111	1	04/03/2018 20:58	WG1092919
2-Hexanone	U	J3	0.00153	0.0111	1	04/03/2018 20:58	WG1092919
n-Hexane	0.0248	J3	0.000323	0.0111	1	04/03/2018 20:58	WG1092919

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Iodomethane	U	J3	0.00282	0.0111	1	04/03/2018 20:58	WG1092919
Isopropylbenzene	U		0.000271	0.00111	1	04/03/2018 20:58	WG1092919
p-Isopropyltoluene	U		0.000227	0.00111	1	04/03/2018 20:58	WG1092919
2-Butanone (MEK)	U	J3	0.00522	0.0111	1	04/03/2018 20:58	WG1092919
Methylene Chloride	U		0.00111	0.00557	1	04/03/2018 20:58	WG1092919
4-Methyl-2-pentanone (MIBK)	U		0.00210	0.0111	1	04/03/2018 20:58	WG1092919
Methyl tert-butyl ether	U		0.000236	0.00111	1	04/03/2018 20:58	WG1092919
Naphthalene	U		0.00111	0.00557	1	04/03/2018 20:58	WG1092919
n-Propylbenzene	U		0.000230	0.00111	1	04/03/2018 20:58	WG1092919
Styrene	U		0.000261	0.00111	1	04/03/2018 20:58	WG1092919
1,1,1,2-Tetrachloroethane	U		0.000294	0.00111	1	04/03/2018 20:58	WG1092919
1,1,2,2-Tetrachloroethane	U		0.000407	0.00111	1	04/03/2018 20:58	WG1092919
1,1,2-Trichlorotrifluoroethane	U		0.000407	0.00111	1	04/03/2018 20:58	WG1092919
Tetrachloroethene	6.66		0.0615	0.223	200	04/08/2018 19:23	WG1092919-1
Toluene	U		0.000484	0.00557	1	04/03/2018 20:58	WG1092919
1,2,3-Trichlorobenzene	U		0.000341	0.00111	1	04/03/2018 20:58	WG1092919
1,2,4-Trichlorobenzene	U		0.000432	0.00111	1	04/03/2018 20:58	WG1092919
1,1,1-Trichloroethane	U		0.000319	0.00111	1	04/03/2018 20:58	WG1092919
1,1,2-Trichloroethane	U		0.000309	0.00111	1	04/03/2018 20:58	WG1092919
Trichloroethene	0.0547		0.000311	0.00111	1	04/03/2018 20:58	WG1092919
Trichlorofluoromethane	U		0.000426	0.00557	1	04/03/2018 20:58	WG1092919
1,2,3-Trichloropropane	U		0.000826	0.00279	1	04/03/2018 20:58	WG1092919
1,2,4-Trimethylbenzene	U		0.000235	0.00111	1	04/03/2018 20:58	WG1092919
1,2,3-Trimethylbenzene	U		0.000320	0.00111	1	04/03/2018 20:58	WG1092919
1,3,5-Trimethylbenzene	U		0.000296	0.00111	1	04/03/2018 20:58	WG1092919
Vinyl acetate	U		0.00266	0.0111	1	04/03/2018 20:58	WG1092919
Vinyl chloride	U	J3	0.000324	0.00111	1	04/03/2018 20:58	WG1092919
Xylenes, Total	U		0.000778	0.00334	1	04/03/2018 20:58	WG1092919
(S) Toluene-d8	*102*			*80.0-120*		*04/03/2018 20:58*	WG1092919
(S) Toluene-d8	*103*			*80.0-120*		*04/08/2018 19:23*	WG1092919-1
(S) Dibromofluoromethane	*102*			*74.0-131*		*04/03/2018 20:58*	WG1092919
(S) Dibromofluoromethane	*110*			*74.0-131*		*04/08/2018 19:23*	WG1092919-1
(S) 4-Bromofluorobenzene	*110*			*64.0-132*		*04/03/2018 20:58*	WG1092919
(S) 4-Bromofluorobenzene	*93.4*			*64.0-132*		*04/08/2018 19:23*	WG1092919-1

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Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	91.8		1	04/05/2018 15:19	WG1094162

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	0.586		0.0369	0.109	1	04/03/2018 05:22	WG1092639
(S) a,a,a-Trifluorotoluene(FID)	*103*			*77.0-120*		*04/03/2018 05:22*	WG1092639

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U	J3	0.0109	0.0545	1	04/03/2018 21:19	WG1092919
Acrylonitrile	U		0.00195	0.0109	1	04/03/2018 21:19	WG1092919
Benzene	U		0.000294	0.00109	1	04/03/2018 21:19	WG1092919
Bromobenzene	U		0.000309	0.00109	1	04/03/2018 21:19	WG1092919
Bromodichloromethane	U		0.000277	0.00109	1	04/03/2018 21:19	WG1092919
Bromochloromethane	U		0.000425	0.00545	1	04/03/2018 21:19	WG1092919
Bromoform	U		0.000462	0.00109	1	04/03/2018 21:19	WG1092919
Bromomethane	U		0.00146	0.00545	1	04/03/2018 21:19	WG1092919
n-Butylbenzene	U		0.000281	0.00109	1	04/03/2018 21:19	WG1092919
sec-Butylbenzene	U		0.000219	0.00109	1	04/03/2018 21:19	WG1092919
tert-Butylbenzene	U		0.000224	0.00109	1	04/03/2018 21:19	WG1092919
Carbon disulfide	U	J3	0.000241	0.00109	1	04/03/2018 21:19	WG1092919
Carbon tetrachloride	U		0.000357	0.00109	1	04/03/2018 21:19	WG1092919
Chlorobenzene	U		0.000231	0.00109	1	04/03/2018 21:19	WG1092919
Chlorodibromomethane	U		0.000406	0.00109	1	04/03/2018 21:19	WG1092919
Chloroethane	U		0.00103	0.00545	1	04/03/2018 21:19	WG1092919
Chloroform	U		0.000249	0.00545	1	04/03/2018 21:19	WG1092919
Chloromethane	U	J3	0.000408	0.00272	1	04/03/2018 21:19	WG1092919
2-Chlorotoluene	U		0.000328	0.00109	1	04/03/2018 21:19	WG1092919
4-Chlorotoluene	U		0.000261	0.00109	1	04/03/2018 21:19	WG1092919
1,2-Dibromo-3-Chloropropane	U		0.00114	0.00545	1	04/03/2018 21:19	WG1092919
1,2-Dibromoethane	U		0.000374	0.00109	1	04/03/2018 21:19	WG1092919
Dibromomethane	U		0.000416	0.00109	1	04/03/2018 21:19	WG1092919
1,2-Dichlorobenzene	U		0.000332	0.00109	1	04/03/2018 21:19	WG1092919
1,3-Dichlorobenzene	U		0.000260	0.00109	1	04/03/2018 21:19	WG1092919
1,4-Dichlorobenzene	U		0.000246	0.00109	1	04/03/2018 21:19	WG1092919
Dichlorodifluoromethane	U	J3	0.000776	0.00545	1	04/03/2018 21:19	WG1092919
1,1-Dichloroethane	U		0.000217	0.00109	1	04/03/2018 21:19	WG1092919
1,2-Dichloroethane	U		0.000289	0.00109	1	04/03/2018 21:19	WG1092919
1,1-Dichloroethene	U	J3	0.000330	0.00109	1	04/03/2018 21:19	WG1092919
cis-1,2-Dichloroethene	U		0.000256	0.00109	1	04/03/2018 21:19	WG1092919
trans-1,2-Dichloroethene	U		0.000287	0.00109	1	04/03/2018 21:19	WG1092919
1,2-Dichloropropane	U		0.000390	0.00109	1	04/03/2018 21:19	WG1092919
1,1-Dichloropropene	U		0.000345	0.00109	1	04/03/2018 21:19	WG1092919
1,3-Dichloropropane	U		0.000225	0.00109	1	04/03/2018 21:19	WG1092919
cis-1,3-Dichloropropene	U		0.000285	0.00109	1	04/03/2018 21:19	WG1092919
trans-1,3-Dichloropropene	U		0.000291	0.00109	1	04/03/2018 21:19	WG1092919
trans-1,4-Dichloro-2-butene	U		0.000847	0.00272	1	04/03/2018 21:19	WG1092919
2,2-Dichloropropane	U		0.000304	0.00109	1	04/03/2018 21:19	WG1092919
Di-isopropyl ether	U		0.000270	0.00109	1	04/03/2018 21:19	WG1092919
Ethylbenzene	U		0.000323	0.00109	1	04/03/2018 21:19	WG1092919
Hexachloro-1,3-butadiene	U		0.000372	0.00109	1	04/03/2018 21:19	WG1092919
2-Hexanone	U	J3	0.00149	0.0109	1	04/03/2018 21:19	WG1092919
n-Hexane	U	J3	0.000316	0.0109	1	04/03/2018 21:19	WG1092919

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B-243-30

Collected date/time: 03/29/18 13:57

SAMPLE RESULTS - 06

L982183

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Iodomethane	U	J3	0.00276	0.0109	1	04/03/2018 21:19	WG1092919
Isopropylbenzene	U		0.000265	0.00109	1	04/03/2018 21:19	WG1092919
p-Isopropyltoluene	U		0.000222	0.00109	1	04/03/2018 21:19	WG1092919
2-Butanone (MEK)	U	J3	0.00510	0.0109	1	04/03/2018 21:19	WG1092919
Methylene Chloride	U		0.00109	0.00545	1	04/03/2018 21:19	WG1092919
4-Methyl-2-pentanone (MIBK)	U		0.00205	0.0109	1	04/03/2018 21:19	WG1092919
Methyl tert-butyl ether	U		0.000231	0.00109	1	04/03/2018 21:19	WG1092919
Naphthalene	U		0.00109	0.00545	1	04/03/2018 21:19	WG1092919
n-Propylbenzene	U		0.000224	0.00109	1	04/03/2018 21:19	WG1092919
Styrene	U		0.000255	0.00109	1	04/03/2018 21:19	WG1092919
1,1,1,2-Tetrachloroethane	U		0.000287	0.00109	1	04/03/2018 21:19	WG1092919
1,1,2,2-Tetrachloroethane	U		0.000397	0.00109	1	04/03/2018 21:19	WG1092919
1,1,2-Trichlorotrifluoroethane	U		0.000397	0.00109	1	04/03/2018 21:19	WG1092919
Tetrachloroethene	6.12		0.0601	0.218	200	04/08/2018 19:46	WG1092919-1
Toluene	U		0.000473	0.00545	1	04/03/2018 21:19	WG1092919
1,2,3-Trichlorobenzene	U		0.000333	0.00109	1	04/03/2018 21:19	WG1092919
1,2,4-Trichlorobenzene	U		0.000423	0.00109	1	04/03/2018 21:19	WG1092919
1,1,1-Trichloroethane	U		0.000311	0.00109	1	04/03/2018 21:19	WG1092919
1,1,2-Trichloroethane	U		0.000302	0.00109	1	04/03/2018 21:19	WG1092919
Trichloroethene	0.0763		0.000304	0.00109	1	04/03/2018 21:19	WG1092919
Trichlorofluoromethane	U		0.000416	0.00545	1	04/03/2018 21:19	WG1092919
1,2,3-Trichloropropane	U		0.000807	0.00272	1	04/03/2018 21:19	WG1092919
1,2,4-Trimethylbenzene	U		0.000230	0.00109	1	04/03/2018 21:19	WG1092919
1,2,3-Trimethylbenzene	U		0.000313	0.00109	1	04/03/2018 21:19	WG1092919
1,3,5-Trimethylbenzene	U		0.000290	0.00109	1	04/03/2018 21:19	WG1092919
Vinyl acetate	U		0.00260	0.0109	1	04/03/2018 21:19	WG1092919
Vinyl chloride	U	J3	0.000317	0.00109	1	04/03/2018 21:19	WG1092919
Xylenes, Total	U		0.000760	0.00327	1	04/03/2018 21:19	WG1092919
(S) Toluene-d8	*102*			*80.0-120*		*04/03/2018 21:19*	WG1092919
(S) Toluene-d8	*103*			*80.0-120*		*04/08/2018 19:46*	WG1092919-1
(S) Dibromofluoromethane	*98.2*			*74.0-131*		*04/03/2018 21:19*	WG1092919
(S) Dibromofluoromethane	*109*			*74.0-131*		*04/08/2018 19:46*	WG1092919-1
(S) 4-Bromofluorobenzene	*109*			*64.0-132*		*04/03/2018 21:19*	WG1092919
(S) 4-Bromofluorobenzene	*95.8*			*64.0-132*		*04/08/2018 19:46*	WG1092919-1

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Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	90.3		1	04/05/2018 15:19	WG1094162

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	0.491		0.0376	0.111	1	04/03/2018 05:46	WG1092639
(S) a,a,a-Trifluorotoluene(FID)	*102*			*77.0-120*		*04/03/2018 05:46*	WG1092639

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0111	0.0554	1	04/04/2018 16:57	WG1093155
Acrylonitrile	U		0.00198	0.0111	1	04/04/2018 16:57	WG1093155
Benzene	U		0.000299	0.00111	1	04/04/2018 16:57	WG1093155
Bromobenzene	U		0.000315	0.00111	1	04/04/2018 16:57	WG1093155
Bromodichloromethane	U		0.000281	0.00111	1	04/04/2018 16:57	WG1093155
Bromochloromethane	U		0.000432	0.00554	1	04/04/2018 16:57	WG1093155
Bromoform	U		0.000470	0.00111	1	04/04/2018 16:57	WG1093155
Bromomethane	U UJ	J0	0.00148	0.00554	1	04/04/2018 16:57	WG1093155
n-Butylbenzene	U		0.000286	0.00111	1	04/04/2018 16:57	WG1093155
sec-Butylbenzene	U		0.000223	0.00111	1	04/04/2018 16:57	WG1093155
tert-Butylbenzene	U		0.000228	0.00111	1	04/04/2018 16:57	WG1093155
Carbon disulfide	0.00114		0.000245	0.00111	1	04/04/2018 16:57	WG1093155
Carbon tetrachloride	U		0.000363	0.00111	1	04/04/2018 16:57	WG1093155
Chlorobenzene	U		0.000235	0.00111	1	04/04/2018 16:57	WG1093155
Chlorodibromomethane	U		0.000413	0.00111	1	04/04/2018 16:57	WG1093155
Chloroethane	U UJ	J0	0.00105	0.00554	1	04/04/2018 16:57	WG1093155
Chloroform	0.000274 J	J	0.000254	0.00554	1	04/04/2018 16:57	WG1093155
Chloromethane	U		0.000415	0.00277	1	04/04/2018 16:57	WG1093155
2-Chlorotoluene	U		0.000333	0.00111	1	04/04/2018 16:57	WG1093155
4-Chlorotoluene	U		0.000266	0.00111	1	04/04/2018 16:57	WG1093155
1,2-Dibromo-3-Chloropropane	U		0.00116	0.00554	1	04/04/2018 16:57	WG1093155
1,2-Dibromoethane	U		0.000380	0.00111	1	04/04/2018 16:57	WG1093155
Dibromomethane	U		0.000423	0.00111	1	04/04/2018 16:57	WG1093155
1,2-Dichlorobenzene	U		0.000338	0.00111	1	04/04/2018 16:57	WG1093155
1,3-Dichlorobenzene	U		0.000265	0.00111	1	04/04/2018 16:57	WG1093155
1,4-Dichlorobenzene	U		0.000250	0.00111	1	04/04/2018 16:57	WG1093155
Dichlorodifluoromethane	U		0.000790	0.00554	1	04/04/2018 16:57	WG1093155
1,1-Dichloroethane	U		0.000220	0.00111	1	04/04/2018 16:57	WG1093155
1,2-Dichloroethane	U		0.000294	0.00111	1	04/04/2018 16:57	WG1093155
1,1-Dichloroethene	0.000700 J	J	0.000336	0.00111	1	04/04/2018 16:57	WG1093155
cis-1,2-Dichloroethene	0.0121		0.000260	0.00111	1	04/04/2018 16:57	WG1093155
trans-1,2-Dichloroethene	U		0.000292	0.00111	1	04/04/2018 16:57	WG1093155
1,2-Dichloropropane	U		0.000397	0.00111	1	04/04/2018 16:57	WG1093155
1,1-Dichloropropene	U		0.000351	0.00111	1	04/04/2018 16:57	WG1093155
1,3-Dichloropropane	U		0.000229	0.00111	1	04/04/2018 16:57	WG1093155
cis-1,3-Dichloropropene	U		0.000290	0.00111	1	04/04/2018 16:57	WG1093155
trans-1,3-Dichloropropene	U		0.000296	0.00111	1	04/04/2018 16:57	WG1093155
trans-1,4-Dichloro-2-butene	U		0.000862	0.00277	1	04/04/2018 16:57	WG1093155
2,2-Dichloropropane	U		0.000309	0.00111	1	04/04/2018 16:57	WG1093155
Di-isopropyl ether	U		0.000275	0.00111	1	04/04/2018 16:57	WG1093155
Ethylbenzene	U		0.000329	0.00111	1	04/04/2018 16:57	WG1093155
Hexachloro-1,3-butadiene	U		0.000379	0.00111	1	04/04/2018 16:57	WG1093155
2-Hexanone	U		0.00152	0.0111	1	04/04/2018 16:57	WG1093155
n-Hexane	U		0.000321	0.0111	1	04/04/2018 16:57	WG1093155

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Iodomethane	U		0.00280	0.0111	1	04/04/2018 16:57	WG1093155
Isopropylbenzene	U		0.000269	0.00111	1	04/04/2018 16:57	WG1093155
p-Isopropyltoluene	U		0.000226	0.00111	1	04/04/2018 16:57	WG1093155
2-Butanone (MEK)	U		0.00518	0.0111	1	04/04/2018 16:57	WG1093155
Methylene Chloride	U		0.00111	0.00554	1	04/04/2018 16:57	WG1093155
4-Methyl-2-pentanone (MIBK)	U		0.00208	0.0111	1	04/04/2018 16:57	WG1093155
Methyl tert-butyl ether	U		0.000235	0.00111	1	04/04/2018 16:57	WG1093155
Naphthalene	U		0.00111	0.00554	1	04/04/2018 16:57	WG1093155
n-Propylbenzene	U		0.000228	0.00111	1	04/04/2018 16:57	WG1093155
Styrene	U		0.000259	0.00111	1	04/04/2018 16:57	WG1093155
1,1,1,2-Tetrachloroethane	U		0.000292	0.00111	1	04/04/2018 16:57	WG1093155
1,1,2,2-Tetrachloroethane	U		0.000404	0.00111	1	04/04/2018 16:57	WG1093155
1,1,2-Trichlorotrifluoroethane	U		0.000404	0.00111	1	04/04/2018 16:57	WG1093155
Tetrachloroethene	11.0		0.0306	0.111	100	04/06/2018 16:44	WG1093155
Toluene	U		0.000481	0.00554	1	04/04/2018 16:57	WG1093155
1,2,3-Trichlorobenzene	U		0.000339	0.00111	1	04/04/2018 16:57	WG1093155
1,2,4-Trichlorobenzene	U		0.000430	0.00111	1	04/04/2018 16:57	WG1093155
1,1,1-Trichloroethane	U		0.000317	0.00111	1	04/04/2018 16:57	WG1093155
1,1,2-Trichloroethane	U		0.000307	0.00111	1	04/04/2018 16:57	WG1093155
Trichloroethene	0.0967		0.000309	0.00111	1	04/04/2018 16:57	WG1093155
Trichlorofluoromethane	U		0.000423	0.00554	1	04/04/2018 16:57	WG1093155
1,2,3-Trichloropropane	U		0.000821	0.00277	1	04/04/2018 16:57	WG1093155
1,2,4-Trimethylbenzene	U		0.000234	0.00111	1	04/04/2018 16:57	WG1093155
1,2,3-Trimethylbenzene	U		0.000318	0.00111	1	04/04/2018 16:57	WG1093155
1,3,5-Trimethylbenzene	U		0.000295	0.00111	1	04/04/2018 16:57	WG1093155
Vinyl acetate	U		0.00265	0.0111	1	04/04/2018 16:57	WG1093155
Vinyl chloride	U		0.000322	0.00111	1	04/04/2018 16:57	WG1093155
Xylenes, Total	U		0.000773	0.00332	1	04/04/2018 16:57	WG1093155
(S) Toluene-d8	*103*			*80.0-120*		*04/04/2018 16:57*	WG1093155
(S) Toluene-d8	*111*			*80.0-120*		*04/06/2018 16:44*	WG1093155
(S) Dibromofluoromethane	*101*			*74.0-131*		*04/04/2018 16:57*	WG1093155
(S) Dibromofluoromethane	*105*			*74.0-131*		*04/06/2018 16:44*	WG1093155
(S) 4-Bromofluorobenzene	*98.8*			*64.0-132*		*04/06/2018 16:44*	WG1093155
(S) 4-Bromofluorobenzene	*101*			*64.0-132*		*04/04/2018 16:57*	WG1093155

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Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	91.5		1	04/05/2018 15:19	WG1094162

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	0.724		0.0370	0.109	1	04/08/2018 22:37	WG1092639
(S) a,a,a-Trifluorotoluene(FID)	*100*			*77.0-120*		*04/08/2018 22:37*	WG1092639

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0109	0.0546	1	04/04/2018 17:18	WG1093155
Acrylonitrile	U		0.00196	0.0109	1	04/04/2018 17:18	WG1093155
Benzene	U		0.000295	0.00109	1	04/04/2018 17:18	WG1093155
Bromobenzene	U		0.000310	0.00109	1	04/04/2018 17:18	WG1093155
Bromodichloromethane	U		0.000278	0.00109	1	04/04/2018 17:18	WG1093155
Bromochloromethane	U		0.000426	0.00546	1	04/04/2018 17:18	WG1093155
Bromoform	U		0.000463	0.00109	1	04/04/2018 17:18	WG1093155
Bromomethane	U	UJ J0	0.00146	0.00546	1	04/04/2018 17:18	WG1093155
n-Butylbenzene	U		0.000282	0.00109	1	04/04/2018 17:18	WG1093155
sec-Butylbenzene	U		0.000220	0.00109	1	04/04/2018 17:18	WG1093155
tert-Butylbenzene	U		0.000225	0.00109	1	04/04/2018 17:18	WG1093155
Carbon disulfide	0.00163		0.000242	0.00109	1	04/04/2018 17:18	WG1093155
Carbon tetrachloride	U		0.000358	0.00109	1	04/04/2018 17:18	WG1093155
Chlorobenzene	U		0.000232	0.00109	1	04/04/2018 17:18	WG1093155
Chlorodibromomethane	U		0.000408	0.00109	1	04/04/2018 17:18	WG1093155
Chloroethane	U	UJ J0	0.00103	0.00546	1	04/04/2018 17:18	WG1093155
Chloroform	U		0.000250	0.00546	1	04/04/2018 17:18	WG1093155
Chloromethane	U		0.000410	0.00273	1	04/04/2018 17:18	WG1093155
2-Chlorotoluene	U		0.000329	0.00109	1	04/04/2018 17:18	WG1093155
4-Chlorotoluene	U		0.000262	0.00109	1	04/04/2018 17:18	WG1093155
1,2-Dibromo-3-Chloropropane	U		0.00115	0.00546	1	04/04/2018 17:18	WG1093155
1,2-Dibromoethane	U		0.000375	0.00109	1	04/04/2018 17:18	WG1093155
Dibromomethane	U		0.000417	0.00109	1	04/04/2018 17:18	WG1093155
1,2-Dichlorobenzene	U		0.000333	0.00109	1	04/04/2018 17:18	WG1093155
1,3-Dichlorobenzene	U		0.000261	0.00109	1	04/04/2018 17:18	WG1093155
1,4-Dichlorobenzene	U		0.000247	0.00109	1	04/04/2018 17:18	WG1093155
Dichlorodifluoromethane	U		0.000779	0.00546	1	04/04/2018 17:18	WG1093155
1,1-Dichloroethane	U		0.000217	0.00109	1	04/04/2018 17:18	WG1093155
1,2-Dichloroethane	U		0.000290	0.00109	1	04/04/2018 17:18	WG1093155
1,1-Dichloroethene	0.00399		0.000331	0.00109	1	04/04/2018 17:18	WG1093155
cis-1,2-Dichloroethene	1.40		0.0514	0.219	200	04/06/2018 17:04	WG1093155
trans-1,2-Dichloroethene	0.000783 J	J	0.000288	0.00109	1	04/04/2018 17:18	WG1093155
1,2-Dichloropropane	U		0.000391	0.00109	1	04/04/2018 17:18	WG1093155
1,1-Dichloropropene	U		0.000346	0.00109	1	04/04/2018 17:18	WG1093155
1,3-Dichloropropane	U		0.000226	0.00109	1	04/04/2018 17:18	WG1093155
cis-1,3-Dichloropropene	U		0.000286	0.00109	1	04/04/2018 17:18	WG1093155
trans-1,3-Dichloropropene	U		0.000292	0.00109	1	04/04/2018 17:18	WG1093155
trans-1,4-Dichloro-2-butene	U		0.000850	0.00273	1	04/04/2018 17:18	WG1093155
2,2-Dichloropropane	U		0.000305	0.00109	1	04/04/2018 17:18	WG1093155
Di-isopropyl ether	U		0.000271	0.00109	1	04/04/2018 17:18	WG1093155
Ethylbenzene	U		0.000325	0.00109	1	04/04/2018 17:18	WG1093155
Hexachloro-1,3-butadiene	U		0.000374	0.00109	1	04/04/2018 17:18	WG1093155
2-Hexanone	U		0.00150	0.0109	1	04/04/2018 17:18	WG1093155
n-Hexane	U		0.000317	0.0109	1	04/04/2018 17:18	WG1093155

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B-243-42 SAMPLE RESULTS - 08

Collected date/time: 03/29/18 14:21 L982183

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Iodomethane	U		0.00276	0.0109	1	04/04/2018 17:18	WG1093155
Isopropylbenzene	U		0.000266	0.00109	1	04/04/2018 17:18	WG1093155
p-Isopropyltoluene	U		0.000223	0.00109	1	04/04/2018 17:18	WG1093155
2-Butanone (MEK)	U		0.00511	0.0109	1	04/04/2018 17:18	WG1093155
Methylene Chloride	U		0.00109	0.00546	1	04/04/2018 17:18	WG1093155
4-Methyl-2-pentanone (MIBK)	U		0.00205	0.0109	1	04/04/2018 17:18	WG1093155
Methyl tert-butyl ether	U		0.000232	0.00109	1	04/04/2018 17:18	WG1093155
Naphthalene	U		0.00109	0.00546	1	04/04/2018 17:18	WG1093155
n-Propylbenzene	U		0.000225	0.00109	1	04/04/2018 17:18	WG1093155
Styrene	U		0.000256	0.00109	1	04/04/2018 17:18	WG1093155
1,1,1,2-Tetrachloroethane	U		0.000288	0.00109	1	04/04/2018 17:18	WG1093155
1,1,2,2-Tetrachloroethane	U		0.000399	0.00109	1	04/04/2018 17:18	WG1093155
1,1,2-Trichlorotrifluoroethane	U		0.000399	0.00109	1	04/04/2018 17:18	WG1093155
Tetrachloroethene	9.04		0.0603	0.219	200	04/06/2018 17:04	WG1093155
Toluene	U		0.000474	0.00546	1	04/04/2018 17:18	WG1093155
1,2,3-Trichlorobenzene	U		0.000334	0.00109	1	04/04/2018 17:18	WG1093155
1,2,4-Trichlorobenzene	U		0.000424	0.00109	1	04/04/2018 17:18	WG1093155
1,1,1-Trichloroethane	U		0.000313	0.00109	1	04/04/2018 17:18	WG1093155
1,1,2-Trichloroethane	U		0.000303	0.00109	1	04/04/2018 17:18	WG1093155
Trichloroethene	0.834		0.0610	0.219	200	04/06/2018 17:04	WG1093155
Trichlorofluoromethane	U		0.000417	0.00546	1	04/04/2018 17:18	WG1093155
1,2,3-Trichloropropane	U		0.000810	0.00273	1	04/04/2018 17:18	WG1093155
1,2,4-Trimethylbenzene	U		0.000231	0.00109	1	04/04/2018 17:18	WG1093155
1,2,3-Trimethylbenzene	U		0.000314	0.00109	1	04/04/2018 17:18	WG1093155
1,3,5-Trimethylbenzene	U		0.000291	0.00109	1	04/04/2018 17:18	WG1093155
Vinyl acetate	U		0.00261	0.0109	1	04/04/2018 17:18	WG1093155
Vinyl chloride	0.0160		0.000318	0.00109	1	04/04/2018 17:18	WG1093155
Xylenes, Total	U		0.000763	0.00328	1	04/04/2018 17:18	WG1093155
(S) Toluene-d8	*100*			*80.0-120*		*04/04/2018 17:18*	WG1093155
(S) Toluene-d8	*113*			*80.0-120*		*04/06/2018 17:04*	WG1093155
(S) Dibromofluoromethane	*101*			*74.0-131*		*04/06/2018 17:04*	WG1093155
(S) Dibromofluoromethane	*104*			*74.0-131*		*04/04/2018 17:18*	WG1093155
(S) 4-Bromofluorobenzene	*105*			*64.0-132*		*04/04/2018 17:18*	WG1093155
(S) 4-Bromofluorobenzene	*101*			*64.0-132*		*04/06/2018 17:04*	WG1093155

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Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	92.3		1	04/05/2018 15:19	WG1094162

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	0.820		0.0367	0.108	1	04/03/2018 06:34	WG1092639
(S) a,a,a-Trifluorotoluene(FID)	*103*			*77.0-120*		*04/03/2018 06:34*	WG1092639

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0108	0.0542	1	04/04/2018 17:39	WG1093155
Acrylonitrile	U		0.00194	0.0108	1	04/04/2018 17:39	WG1093155
Benzene	U		0.000293	0.00108	1	04/04/2018 17:39	WG1093155
Bromobenzene	U		0.000308	0.00108	1	04/04/2018 17:39	WG1093155
Bromodichloromethane	U		0.000275	0.00108	1	04/04/2018 17:39	WG1093155
Bromochloromethane	U		0.000423	0.00542	1	04/04/2018 17:39	WG1093155
Bromoform	U		0.000459	0.00108	1	04/04/2018 17:39	WG1093155
Bromomethane	U UJ	J0	0.00145	0.00542	1	04/04/2018 17:39	WG1093155
n-Butylbenzene	U		0.000280	0.00108	1	04/04/2018 17:39	WG1093155
sec-Butylbenzene	U		0.000218	0.00108	1	04/04/2018 17:39	WG1093155
tert-Butylbenzene	U		0.000223	0.00108	1	04/04/2018 17:39	WG1093155
Carbon disulfide	0.00150		0.000239	0.00108	1	04/04/2018 17:39	WG1093155
Carbon tetrachloride	U		0.000355	0.00108	1	04/04/2018 17:39	WG1093155
Chlorobenzene	U		0.000230	0.00108	1	04/04/2018 17:39	WG1093155
Chlorodibromomethane	U		0.000404	0.00108	1	04/04/2018 17:39	WG1093155
Chloroethane	U UJ	J0	0.00102	0.00542	1	04/04/2018 17:39	WG1093155
Chloroform	U		0.000248	0.00542	1	04/04/2018 17:39	WG1093155
Chloromethane	U		0.000406	0.00271	1	04/04/2018 17:39	WG1093155
2-Chlorotoluene	U		0.000326	0.00108	1	04/04/2018 17:39	WG1093155
4-Chlorotoluene	U		0.000260	0.00108	1	04/04/2018 17:39	WG1093155
1,2-Dibromo-3-Chloropropane	U		0.00114	0.00542	1	04/04/2018 17:39	WG1093155
1,2-Dibromoethane	U		0.000372	0.00108	1	04/04/2018 17:39	WG1093155
Dibromomethane	U		0.000414	0.00108	1	04/04/2018 17:39	WG1093155
1,2-Dichlorobenzene	U		0.000330	0.00108	1	04/04/2018 17:39	WG1093155
1,3-Dichlorobenzene	U		0.000259	0.00108	1	04/04/2018 17:39	WG1093155
1,4-Dichlorobenzene	U		0.000245	0.00108	1	04/04/2018 17:39	WG1093155
Dichlorodifluoromethane	U		0.000772	0.00542	1	04/04/2018 17:39	WG1093155
1,1-Dichloroethane	U		0.000216	0.00108	1	04/04/2018 17:39	WG1093155
1,2-Dichloroethane	U		0.000287	0.00108	1	04/04/2018 17:39	WG1093155
1,1-Dichloroethene	0.00362		0.000328	0.00108	1	04/04/2018 17:39	WG1093155
cis-1,2-Dichloroethene	0.569		0.0509	0.217	200	04/06/2018 17:24	WG1093155
trans-1,2-Dichloroethene	0.000462 J	J	0.000286	0.00108	1	04/04/2018 17:39	WG1093155
1,2-Dichloropropane	U		0.000388	0.00108	1	04/04/2018 17:39	WG1093155
1,1-Dichloropropene	U		0.000343	0.00108	1	04/04/2018 17:39	WG1093155
1,3-Dichloropropane	U		0.000224	0.00108	1	04/04/2018 17:39	WG1093155
cis-1,3-Dichloropropene	U		0.000284	0.00108	1	04/04/2018 17:39	WG1093155
trans-1,3-Dichloropropene	U		0.000289	0.00108	1	04/04/2018 17:39	WG1093155
trans-1,4-Dichloro-2-butene	U		0.000843	0.00271	1	04/04/2018 17:39	WG1093155
2,2-Dichloropropane	U		0.000302	0.00108	1	04/04/2018 17:39	WG1093155
Di-isopropyl ether	U		0.000269	0.00108	1	04/04/2018 17:39	WG1093155
Ethylbenzene	U		0.000322	0.00108	1	04/04/2018 17:39	WG1093155
Hexachloro-1,3-butadiene	U		0.000371	0.00108	1	04/04/2018 17:39	WG1093155
2-Hexanone	U		0.00148	0.0108	1	04/04/2018 17:39	WG1093155
n-Hexane	0.000612 J	J	0.000314	0.0108	1	04/04/2018 17:39	WG1093155

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Iodomethane	U		0.00274	0.0108	1	04/04/2018 17:39	WG1093155
Isopropylbenzene	U		0.000263	0.00108	1	04/04/2018 17:39	WG1093155
p-Isopropyltoluene	U		0.000221	0.00108	1	04/04/2018 17:39	WG1093155
2-Butanone (MEK)	U		0.00507	0.0108	1	04/04/2018 17:39	WG1093155
Methylene Chloride	U		0.00108	0.00542	1	04/04/2018 17:39	WG1093155
4-Methyl-2-pentanone (MIBK)	U		0.00204	0.0108	1	04/04/2018 17:39	WG1093155
Methyl tert-butyl ether	U		0.000230	0.00108	1	04/04/2018 17:39	WG1093155
Naphthalene	U		0.00108	0.00542	1	04/04/2018 17:39	WG1093155
n-Propylbenzene	U		0.000223	0.00108	1	04/04/2018 17:39	WG1093155
Styrene	U		0.000254	0.00108	1	04/04/2018 17:39	WG1093155
1,1,1,2-Tetrachloroethane	U		0.000286	0.00108	1	04/04/2018 17:39	WG1093155
1,1,2,2-Tetrachloroethane	U		0.000395	0.00108	1	04/04/2018 17:39	WG1093155
1,1,2-Trichlorotrifluoroethane	U		0.000395	0.00108	1	04/04/2018 17:39	WG1093155
Tetrachloroethene	12.2		0.0598	0.217	200	04/06/2018 17:24	WG1093155
Toluene	U		0.000470	0.00542	1	04/04/2018 17:39	WG1093155
1,2,3-Trichlorobenzene	U		0.000332	0.00108	1	04/04/2018 17:39	WG1093155
1,2,4-Trichlorobenzene	U		0.000420	0.00108	1	04/04/2018 17:39	WG1093155
1,1,1-Trichloroethane	U		0.000310	0.00108	1	04/04/2018 17:39	WG1093155
1,1,2-Trichloroethane	U		0.000300	0.00108	1	04/04/2018 17:39	WG1093155
Trichloroethene	1.87		0.0605	0.217	200	04/06/2018 17:24	WG1093155
Trichlorofluoromethane	U		0.000414	0.00542	1	04/04/2018 17:39	WG1093155
1,2,3-Trichloropropane	U		0.000803	0.00271	1	04/04/2018 17:39	WG1093155
1,2,4-Trimethylbenzene	U		0.000229	0.00108	1	04/04/2018 17:39	WG1093155
1,2,3-Trimethylbenzene	U		0.000311	0.00108	1	04/04/2018 17:39	WG1093155
1,3,5-Trimethylbenzene	U		0.000288	0.00108	1	04/04/2018 17:39	WG1093155
Vinyl acetate	U		0.00259	0.0108	1	04/04/2018 17:39	WG1093155
Vinyl chloride	0.00310		0.000315	0.00108	1	04/04/2018 17:39	WG1093155
Xylenes, Total	U		0.000756	0.00325	1	04/04/2018 17:39	WG1093155
(S) Toluene-d8	*99.7*			*80.0-120*		*04/04/2018 17:39*	WG1093155
(S) Toluene-d8	*109*			*80.0-120*		*04/06/2018 17:24*	WG1093155
(S) Dibromofluoromethane	*105*			*74.0-131*		*04/06/2018 17:24*	WG1093155
(S) Dibromofluoromethane	*102*			*74.0-131*		*04/04/2018 17:39*	WG1093155
(S) 4-Bromofluorobenzene	*102*			*64.0-132*		*04/06/2018 17:24*	WG1093155
(S) 4-Bromofluorobenzene	*105*			*64.0-132*		*04/04/2018 17:39*	WG1093155

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Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	86.6		1	04/05/2018 15:19	WG1094162

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	5.12		0.0391	0.115	1	04/03/2018 06:57	WG1092639
(S) a,a,a-Trifluorotoluene(FID)	*104*			*77.0-120*		*04/03/2018 06:57*	WG1092639

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0115	0.0577	1	04/04/2018 18:00	WG1093155
Acrylonitrile	U		0.00207	0.0115	1	04/04/2018 18:00	WG1093155
Benzene	U		0.000312	0.00115	1	04/04/2018 18:00	WG1093155
Bromobenzene	U		0.000328	0.00115	1	04/04/2018 18:00	WG1093155
Bromodichloromethane	U		0.000293	0.00115	1	04/04/2018 18:00	WG1093155
Bromochloromethane	U		0.000450	0.00577	1	04/04/2018 18:00	WG1093155
Bromoform	U		0.000490	0.00115	1	04/04/2018 18:00	WG1093155
Bromomethane	U UJ	J0	0.00155	0.00577	1	04/04/2018 18:00	WG1093155
n-Butylbenzene	U		0.000298	0.00115	1	04/04/2018 18:00	WG1093155
sec-Butylbenzene	U		0.000232	0.00115	1	04/04/2018 18:00	WG1093155
tert-Butylbenzene	U		0.000238	0.00115	1	04/04/2018 18:00	WG1093155
Carbon disulfide	0.00489		0.000255	0.00115	1	04/04/2018 18:00	WG1093155
Carbon tetrachloride	U		0.000379	0.00115	1	04/04/2018 18:00	WG1093155
Chlorobenzene	U		0.000245	0.00115	1	04/04/2018 18:00	WG1093155
Chlorodibromomethane	U		0.000431	0.00115	1	04/04/2018 18:00	WG1093155
Chloroethane	U UJ	J0	0.00109	0.00577	1	04/04/2018 18:00	WG1093155
Chloroform	U		0.000264	0.00577	1	04/04/2018 18:00	WG1093155
Chloromethane	U		0.000433	0.00289	1	04/04/2018 18:00	WG1093155
2-Chlorotoluene	U		0.000348	0.00115	1	04/04/2018 18:00	WG1093155
4-Chlorotoluene	U		0.000277	0.00115	1	04/04/2018 18:00	WG1093155
1,2-Dibromo-3-Chloropropane	U		0.00121	0.00577	1	04/04/2018 18:00	WG1093155
1,2-Dibromoethane	U		0.000396	0.00115	1	04/04/2018 18:00	WG1093155
Dibromomethane	U		0.000441	0.00115	1	04/04/2018 18:00	WG1093155
1,2-Dichlorobenzene	U		0.000352	0.00115	1	04/04/2018 18:00	WG1093155
1,3-Dichlorobenzene	U		0.000276	0.00115	1	04/04/2018 18:00	WG1093155
1,4-Dichlorobenzene	U		0.000261	0.00115	1	04/04/2018 18:00	WG1093155
Dichlorodifluoromethane	U		0.000823	0.00577	1	04/04/2018 18:00	WG1093155
1,1-Dichloroethane	U		0.000230	0.00115	1	04/04/2018 18:00	WG1093155
1,2-Dichloroethane	U		0.000306	0.00115	1	04/04/2018 18:00	WG1093155
1,1-Dichloroethene	0.0354 J		0.000350	0.00115	1	04/04/2018 18:00	WG1093155
cis-1,2-Dichloroethene	16.0		0.0679	0.289	250	04/06/2018 17:44	WG1093155
trans-1,2-Dichloroethene	0.00868		0.000305	0.00115	1	04/04/2018 18:00	WG1093155
1,2-Dichloropropane	U		0.000413	0.00115	1	04/04/2018 18:00	WG1093155
1,1-Dichloropropene	U		0.000366	0.00115	1	04/04/2018 18:00	WG1093155
1,3-Dichloropropane	U		0.000239	0.00115	1	04/04/2018 18:00	WG1093155
cis-1,3-Dichloropropene	U		0.000303	0.00115	1	04/04/2018 18:00	WG1093155
trans-1,3-Dichloropropene	U		0.000308	0.00115	1	04/04/2018 18:00	WG1093155
trans-1,4-Dichloro-2-butene	U		0.000898	0.00289	1	04/04/2018 18:00	WG1093155
2,2-Dichloropropane	U		0.000322	0.00115	1	04/04/2018 18:00	WG1093155
Di-isopropyl ether	U		0.000286	0.00115	1	04/04/2018 18:00	WG1093155
Ethylbenzene	U		0.000343	0.00115	1	04/04/2018 18:00	WG1093155
Hexachloro-1,3-butadiene	U		0.000395	0.00115	1	04/04/2018 18:00	WG1093155 JC 4/25/18
2-Hexanone	U		0.00158	0.0115	1	04/04/2018 18:00	WG1093155
n-Hexane	U		0.000335	0.0115	1	04/04/2018 18:00	WG1093155

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Iodomethane	U		0.00292	0.0115	1	04/04/2018 18:00	WG1093155
Isopropylbenzene	U		0.000281	0.00115	1	04/04/2018 18:00	WG1093155
p-Isopropyltoluene	U		0.000236	0.00115	1	04/04/2018 18:00	WG1093155
2-Butanone (MEK)	U		0.00540	0.0115	1	04/04/2018 18:00	WG1093155
Methylene Chloride	U		0.00115	0.00577	1	04/04/2018 18:00	WG1093155
4-Methyl-2-pentanone (MIBK)	U		0.00217	0.0115	1	04/04/2018 18:00	WG1093155
Methyl tert-butyl ether	U		0.000245	0.00115	1	04/04/2018 18:00	WG1093155
Naphthalene	U		0.00115	0.00577	1	04/04/2018 18:00	WG1093155
n-Propylbenzene	U		0.000238	0.00115	1	04/04/2018 18:00	WG1093155
Styrene	U		0.000270	0.00115	1	04/04/2018 18:00	WG1093155
1,1,1,2-Tetrachloroethane	U		0.000305	0.00115	1	04/04/2018 18:00	WG1093155
1,1,2,2-Tetrachloroethane	U		0.000421	0.00115	1	04/04/2018 18:00	WG1093155
1,1,2-Trichlorotrifluoroethane	U		0.000421	0.00115	1	04/04/2018 18:00	WG1093155
Tetrachloroethene	29.0	J	0.319	1.15	1000	04/08/2018 15:18	WG1093155
Toluene	U		0.000501	0.00577	1	04/04/2018 18:00	WG1093155
1,2,3-Trichlorobenzene	U		0.000353	0.00115	1	04/04/2018 18:00	WG1093155
1,2,4-Trichlorobenzene	U		0.000448	0.00115	1	04/04/2018 18:00	WG1093155
1,1,1-Trichloroethane	U		0.000330	0.00115	1	04/04/2018 18:00	WG1093155
1,1,2-Trichloroethane	U		0.000320	0.00115	1	04/04/2018 18:00	WG1093155
Trichloroethene	7.72		0.0806	0.289	250	04/06/2018 17:44	WG1093155
Trichlorofluoromethane	U		0.000441	0.00577	1	04/04/2018 18:00	WG1093155
1,2,3-Trichloropropane	U		0.000856	0.00289	1	04/04/2018 18:00	WG1093155
1,2,4-Trimethylbenzene	U		0.000244	0.00115	1	04/04/2018 18:00	WG1093155
1,2,3-Trimethylbenzene	U		0.000331	0.00115	1	04/04/2018 18:00	WG1093155
1,3,5-Trimethylbenzene	U		0.000307	0.00115	1	04/04/2018 18:00	WG1093155
Vinyl acetate	U		0.00276	0.0115	1	04/04/2018 18:00	WG1093155
Vinyl chloride	0.292		0.0841	0.289	250	04/06/2018 17:44	WG1093155
Xylenes, Total	U		0.000806	0.00346	1	04/04/2018 18:00	WG1093155
(S) Toluene-d8	*95.2*			*80.0-120*		*04/08/2018 15:18*	WG1093155
(S) Toluene-d8	*101*			*80.0-120*		*04/04/2018 18:00*	WG1093155
(S) Toluene-d8	*112*			*80.0-120*		*04/06/2018 17:44*	WG1093155
(S) Dibromofluoromethane	*106*			*74.0-131*		*04/06/2018 17:44*	WG1093155
(S) Dibromofluoromethane	*100*			*74.0-131*		*04/04/2018 18:00*	WG1093155
(S) Dibromofluoromethane	*105*			*74.0-131*		*04/08/2018 15:18*	WG1093155
(S) 4-Bromofluorobenzene	*93.1*			*64.0-132*		*04/08/2018 15:18*	WG1093155
(S) 4-Bromofluorobenzene	*106*			*64.0-132*		*04/04/2018 18:00*	WG1093155
(S) 4-Bromofluorobenzene	*102*			*64.0-132*		*04/06/2018 17:44*	WG1093155

JC 4/25/18

ANALYTICAL REPORT

April 12, 2018

PES Environmental, Inc.- WA

Sample Delivery Group:	L982194
Samples Received:	03/31/2018
Project Number:	1413.001.05.304
Description:	American Linen Project
Report To:	Brian O'Neal/Bill Haldeman 1215 Fourth Ave., Suite 1350 Seattle, WA 98161

Entire Report Reviewed By: Brian Ford

Brian Ford
Technical Service Representative

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B-243-55 L982194-01 Solid

Collected by	Collected date/time	Received date/time
Dan Johnson	03/29/18 14:49	03/31/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1094165	1	04/05/18 14:50	04/05/18 15:03	KS
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1092512	1	03/29/18 14:49	04/02/18 15:16	ACG
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1092512	500	03/29/18 14:49	04/04/18 17:44	DWR

B-243-60 L982194-02 Solid

Collected by	Collected date/time	Received date/time
Dan Johnson	03/29/18 14:57	03/31/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1094166	1	04/05/18 15:35	04/05/18 15:47	KS
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1092512	1	03/29/18 14:57	04/02/18 15:35	ACG
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1092512	250	03/29/18 14:57	04/04/18 18:04	DWR

B-243-65 L982194-03 Solid

Collected by	Collected date/time	Received date/time
Dan Johnson	03/29/18 15:07	03/31/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1094166	1	04/05/18 15:35	04/05/18 15:47	KS
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1092512	1	03/29/18 15:07	04/02/18 15:55	JHH
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1092512	50	03/29/18 15:07	04/04/18 18:24	DWR

B-243-70 L982194-04 Solid

Collected by	Collected date/time	Received date/time
Dan Johnson	03/29/18 15:11	03/31/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1094166	1	04/05/18 15:35	04/05/18 15:47	KS
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1092512	1	03/29/18 15:11	04/02/18 16:14	JHH
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1092512	1	03/29/18 15:11	04/04/18 14:44	DWR

B-243-75 L982194-05 Solid

Collected by	Collected date/time	Received date/time
Dan Johnson	03/29/18 15:21	03/31/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1094166	1	04/05/18 15:35	04/05/18 15:47	KS
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1092512	1	03/29/18 15:21	04/02/18 16:34	JHH
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1092512	1	03/29/18 15:21	04/04/18 15:04	DWR

B-243-80 L982194-06 Solid

Collected by	Collected date/time	Received date/time
Dan Johnson	03/29/18 15:30	03/31/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1094166	1	04/05/18 15:35	04/05/18 15:47	KS
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1092512	1	03/29/18 15:30	04/02/18 16:54	JHH

IW-908-50 L982194-07 Solid

Collected by	Collected date/time	Received date/time
Dan Johnson	03/29/18 13:16	03/31/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1094166	1	04/05/18 15:35	04/05/18 15:47	KS
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1092512	1	03/29/18 13:16	04/02/18 17:13	JHH
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1092512	1000	03/29/18 13:16	04/04/18 18:44	DWR

		Collected by	Collected date/time	Received date/time
TRIP BLANK L982194-08 GW		Dan Johnson	03/29/18 00:00	03/31/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1093696	1	04/04/18 18:08	04/04/18 18:08	JHH

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All radiochemical sample results for solids are reported on a dry weight basis with the exception of tritium, carbon-14 and radon, unless wet weight was requested by the client. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Brian Ford

Brian Ford
Technical Service Representative

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch
Analyte	%			date / time	
Total Solids	92.6		1	04/05/2018 15:03	WG1094165

Volatile Organic Compounds (GC/MS) by Method 8260C

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J4	0.0108	0.0540	1	04/02/2018 15:16	WG1092512
Acrylonitrile	U		0.00193	0.0108	1	04/02/2018 15:16	WG1092512
Benzene	U		0.000292	0.00108	1	04/02/2018 15:16	WG1092512
Bromobenzene	U		0.000307	0.00108	1	04/02/2018 15:16	WG1092512
Bromodichloromethane	U		0.000274	0.00108	1	04/02/2018 15:16	WG1092512
Bromochloromethane	U		0.000421	0.00540	1	04/02/2018 15:16	WG1092512
Bromoform	U	J4	0.000458	0.00108	1	04/02/2018 15:16	WG1092512
Bromomethane	U		0.00145	0.00540	1	04/02/2018 15:16	WG1092512
n-Butylbenzene	U		0.000279	0.00108	1	04/02/2018 15:16	WG1092512
sec-Butylbenzene	U		0.000217	0.00108	1	04/02/2018 15:16	WG1092512
tert-Butylbenzene	U		0.000222	0.00108	1	04/02/2018 15:16	WG1092512
Carbon disulfide	0.00187		0.000239	0.00108	1	04/02/2018 15:16	WG1092512
Carbon tetrachloride	U		0.000354	0.00108	1	04/02/2018 15:16	WG1092512
Chlorobenzene	U		0.000229	0.00108	1	04/02/2018 15:16	WG1092512
Chlorodibromomethane	U		0.000403	0.00108	1	04/02/2018 15:16	WG1092512
Chloroethane	U		0.00102	0.00540	1	04/02/2018 15:16	WG1092512
Chloroform	U		0.000247	0.00540	1	04/02/2018 15:16	WG1092512
Chloromethane	U		0.000405	0.00270	1	04/02/2018 15:16	WG1092512
2-Chlorotoluene	U		0.000325	0.00108	1	04/02/2018 15:16	WG1092512
4-Chlorotoluene	U		0.000259	0.00108	1	04/02/2018 15:16	WG1092512
1,2-Dibromo-3-Chloropropane	U		0.00113	0.00540	1	04/02/2018 15:16	WG1092512
1,2-Dibromoethane	U		0.000370	0.00108	1	04/02/2018 15:16	WG1092512
Dibromomethane	U		0.000412	0.00108	1	04/02/2018 15:16	WG1092512
1,2-Dichlorobenzene	U		0.000329	0.00108	1	04/02/2018 15:16	WG1092512
1,3-Dichlorobenzene	U		0.000258	0.00108	1	04/02/2018 15:16	WG1092512
1,4-Dichlorobenzene	U		0.000244	0.00108	1	04/02/2018 15:16	WG1092512
Dichlorodifluoromethane	U		0.000770	0.00540	1	04/02/2018 15:16	WG1092512
1,1-Dichloroethane	U		0.000215	0.00108	1	04/02/2018 15:16	WG1092512
1,2-Dichloroethane	U		0.000286	0.00108	1	04/02/2018 15:16	WG1092512
1,1-Dichloroethene	0.00916		0.000327	0.00108	1	04/02/2018 15:16	WG1092512
cis-1,2-Dichloroethene	2.33		0.127	0.540	500	04/04/2018 17:44	WG1092512
trans-1,2-Dichloroethene	0.00776		0.000285	0.00108	1	04/02/2018 15:16	WG1092512
1,2-Dichloropropane	U		0.000387	0.00108	1	04/02/2018 15:16	WG1092512
1,1-Dichloropropene	U		0.000342	0.00108	1	04/02/2018 15:16	WG1092512
1,3-Dichloropropane	U		0.000223	0.00108	1	04/02/2018 15:16	WG1092512
cis-1,3-Dichloropropene	U		0.000283	0.00108	1	04/02/2018 15:16	WG1092512
trans-1,3-Dichloropropene	U		0.000288	0.00108	1	04/02/2018 15:16	WG1092512
trans-1,4-Dichloro-2-butene	U		0.000840	0.00270	1	04/02/2018 15:16	WG1092512
2,2-Dichloropropane	U		0.000301	0.00108	1	04/02/2018 15:16	WG1092512
Di-isopropyl ether	U		0.000268	0.00108	1	04/02/2018 15:16	WG1092512
Ethylbenzene	U		0.000321	0.00108	1	04/02/2018 15:16	WG1092512
Hexachloro-1,3-butadiene	U		0.000369	0.00108	1	04/02/2018 15:16	WG1092512
2-Hexanone	U		0.00148	0.0108	1	04/02/2018 15:16	WG1092512
n-Hexane	U		0.000313	0.0108	1	04/02/2018 15:16	WG1092512
Iodomethane	U		0.00273	0.0108	1	04/02/2018 15:16	WG1092512
Isopropylbenzene	U		0.000262	0.00108	1	04/02/2018 15:16	WG1092512
p-Isopropyltoluene	U		0.000220	0.00108	1	04/02/2018 15:16	WG1092512
2-Butanone (MEK)	U		0.00505	0.0108	1	04/02/2018 15:16	WG1092512
Methylene Chloride	U		0.00108	0.00540	1	04/02/2018 15:16	WG1092512
4-Methyl-2-pentanone (MIBK)	U		0.00203	0.0108	1	04/02/2018 15:16	WG1092512

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000229	0.00108	1	04/02/2018 15:16	WG1092512
Naphthalene	U		0.00108	0.00540	1	04/02/2018 15:16	WG1092512
n-Propylbenzene	U		0.000222	0.00108	1	04/02/2018 15:16	WG1092512
Styrene	U		0.000253	0.00108	1	04/02/2018 15:16	WG1092512
1,1,1,2-Tetrachloroethane	U		0.000285	0.00108	1	04/02/2018 15:16	WG1092512
1,1,2,2-Tetrachloroethane	U		0.000394	0.00108	1	04/02/2018 15:16	WG1092512
1,1,2-Trichlorotrifluoroethane	U		0.000394	0.00108	1	04/02/2018 15:16	WG1092512
Tetrachloroethene	14.4		0.149	0.540	500	04/04/2018 17:44	WG1092512
Toluene	U		0.000469	0.00540	1	04/02/2018 15:16	WG1092512
1,2,3-Trichlorobenzene	U		0.000330	0.00108	1	04/02/2018 15:16	WG1092512
1,2,4-Trichlorobenzene	U		0.000419	0.00108	1	04/02/2018 15:16	WG1092512
1,1,1-Trichloroethane	U		0.000309	0.00108	1	04/02/2018 15:16	WG1092512
1,1,2-Trichloroethane	U		0.000299	0.00108	1	04/02/2018 15:16	WG1092512
Trichloroethene	0.0810		0.000301	0.00108	1	04/02/2018 15:16	WG1092512
Trichlorofluoromethane	U		0.000412	0.00540	1	04/02/2018 15:16	WG1092512
1,2,3-Trichloropropane	U		0.000800	0.00270	1	04/02/2018 15:16	WG1092512
1,2,4-Trimethylbenzene	U		0.000228	0.00108	1	04/02/2018 15:16	WG1092512
1,2,3-Trimethylbenzene	U		0.000310	0.00108	1	04/02/2018 15:16	WG1092512
1,3,5-Trimethylbenzene	U		0.000287	0.00108	1	04/02/2018 15:16	WG1092512
Vinyl acetate	U		0.00258	0.0108	1	04/02/2018 15:16	WG1092512
Vinyl chloride	0.307	E	0.000314	0.00108	1	04/02/2018 15:16	WG1092512
Xylenes, Total	U		0.000754	0.00324	1	04/02/2018 15:16	WG1092512
(S) Toluene-d8	*109*			*80.0-120*		*04/04/2018 17:44*	WG1092512
(S) Toluene-d8	*103*			*80.0-120*		*04/02/2018 15:16*	WG1092512
(S) Dibromofluoromethane	*105*			*74.0-131*		*04/04/2018 17:44*	WG1092512
(S) Dibromofluoromethane	*102*			*74.0-131*		*04/02/2018 15:16*	WG1092512
(S) 4-Bromofluorobenzene	*103*			*64.0-132*		*04/04/2018 17:44*	WG1092512
(S) 4-Bromofluorobenzene	*92.8*			*64.0-132*		*04/02/2018 15:16*	WG1092512

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	87.5		1	04/05/2018 15:47	WG1094166

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U	J4	0.0114	0.0571	1	04/02/2018 15:35	WG1092512
Acrylonitrile	U		0.00205	0.0114	1	04/02/2018 15:35	WG1092512
Benzene	U		0.000309	0.00114	1	04/02/2018 15:35	WG1092512
Bromobenzene	U		0.000325	0.00114	1	04/02/2018 15:35	WG1092512
Bromodichloromethane	U		0.000290	0.00114	1	04/02/2018 15:35	WG1092512
Bromochloromethane	U		0.000446	0.00571	1	04/02/2018 15:35	WG1092512
Bromoform	U	J4	0.000485	0.00114	1	04/02/2018 15:35	WG1092512
Bromomethane	U		0.00153	0.00571	1	04/02/2018 15:35	WG1092512
n-Butylbenzene	U		0.000295	0.00114	1	04/02/2018 15:35	WG1092512
sec-Butylbenzene	U		0.000230	0.00114	1	04/02/2018 15:35	WG1092512
tert-Butylbenzene	U		0.000235	0.00114	1	04/02/2018 15:35	WG1092512
Carbon disulfide	0.00152		0.000253	0.00114	1	04/02/2018 15:35	WG1092512
Carbon tetrachloride	U		0.000375	0.00114	1	04/02/2018 15:35	WG1092512
Chlorobenzene	U		0.000242	0.00114	1	04/02/2018 15:35	WG1092512
Chlorodibromomethane	U		0.000426	0.00114	1	04/02/2018 15:35	WG1092512
Chloroethane	U		0.00108	0.00571	1	04/02/2018 15:35	WG1092512
Chloroform	U		0.000262	0.00571	1	04/02/2018 15:35	WG1092512
Chloromethane	U		0.000429	0.00286	1	04/02/2018 15:35	WG1092512
2-Chlorotoluene	U		0.000344	0.00114	1	04/02/2018 15:35	WG1092512
4-Chlorotoluene	U		0.000274	0.00114	1	04/02/2018 15:35	WG1092512
1,2-Dibromo-3-Chloropropane	U		0.00120	0.00571	1	04/02/2018 15:35	WG1092512
1,2-Dibromoethane	U		0.000392	0.00114	1	04/02/2018 15:35	WG1092512
Dibromomethane	U		0.000437	0.00114	1	04/02/2018 15:35	WG1092512
1,2-Dichlorobenzene	U		0.000349	0.00114	1	04/02/2018 15:35	WG1092512
1,3-Dichlorobenzene	U		0.000273	0.00114	1	04/02/2018 15:35	WG1092512
1,4-Dichlorobenzene	U		0.000258	0.00114	1	04/02/2018 15:35	WG1092512
Dichlorodifluoromethane	U		0.000815	0.00571	1	04/02/2018 15:35	WG1092512
1,1-Dichloroethane	U		0.000227	0.00114	1	04/02/2018 15:35	WG1092512
1,2-Dichloroethane	U		0.000303	0.00114	1	04/02/2018 15:35	WG1092512
1,1-Dichloroethene	0.0144		0.000346	0.00114	1	04/02/2018 15:35	WG1092512
cis-1,2-Dichloroethene	6.30		0.0672	0.286	250	04/04/2018 18:04	WG1092512
trans-1,2-Dichloroethene	0.00479		0.000302	0.00114	1	04/02/2018 15:35	WG1092512
1,2-Dichloropropane	U		0.000409	0.00114	1	04/02/2018 15:35	WG1092512
1,1-Dichloropropene	U		0.000362	0.00114	1	04/02/2018 15:35	WG1092512
1,3-Dichloropropane	U		0.000237	0.00114	1	04/02/2018 15:35	WG1092512
cis-1,3-Dichloropropene	U		0.000299	0.00114	1	04/02/2018 15:35	WG1092512
trans-1,3-Dichloropropene	U		0.000305	0.00114	1	04/02/2018 15:35	WG1092512
trans-1,4-Dichloro-2-butene	U		0.000889	0.00286	1	04/02/2018 15:35	WG1092512
2,2-Dichloropropane	U		0.000319	0.00114	1	04/02/2018 15:35	WG1092512
Di-isopropyl ether	U		0.000283	0.00114	1	04/02/2018 15:35	WG1092512
Ethylbenzene	U		0.000339	0.00114	1	04/02/2018 15:35	WG1092512
Hexachloro-1,3-butadiene	U		0.000391	0.00114	1	04/02/2018 15:35	WG1092512
2-Hexanone	U		0.00157	0.0114	1	04/02/2018 15:35	WG1092512
n-Hexane	0.000353	J	0.000331	0.0114	1	04/02/2018 15:35	WG1092512
Iodomethane	U		0.00289	0.0114	1	04/02/2018 15:35	WG1092512
Isopropylbenzene	U		0.000278	0.00114	1	04/02/2018 15:35	WG1092512
p-Isopropyltoluene	U		0.000233	0.00114	1	04/02/2018 15:35	WG1092512
2-Butanone (MEK)	U		0.00535	0.0114	1	04/02/2018 15:35	WG1092512
Methylene Chloride	U		0.00114	0.00571	1	04/02/2018 15:35	WG1092512
4-Methyl-2-pentanone (MIBK)	U		0.00215	0.0114	1	04/02/2018 15:35	WG1092512

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000242	0.00114	1	04/02/2018 15:35	WG1092512
Naphthalene	U		0.00114	0.00571	1	04/02/2018 15:35	WG1092512
n-Propylbenzene	U		0.000235	0.00114	1	04/02/2018 15:35	WG1092512
Styrene	U		0.000267	0.00114	1	04/02/2018 15:35	WG1092512
1,1,1,2-Tetrachloroethane	U		0.000302	0.00114	1	04/02/2018 15:35	WG1092512
1,1,2,2-Tetrachloroethane	U		0.000417	0.00114	1	04/02/2018 15:35	WG1092512
1,1,2-Trichlorotrifluoroethane	U		0.000417	0.00114	1	04/02/2018 15:35	WG1092512
Tetrachloroethene	10.3		0.0789	0.286	250	04/04/2018 18:04	WG1092512
Toluene	U		0.000496	0.00571	1	04/02/2018 15:35	WG1092512
1,2,3-Trichlorobenzene	U		0.000350	0.00114	1	04/02/2018 15:35	WG1092512
1,2,4-Trichlorobenzene	U		0.000443	0.00114	1	04/02/2018 15:35	WG1092512
1,1,1-Trichloroethane	U		0.000327	0.00114	1	04/02/2018 15:35	WG1092512
1,1,2-Trichloroethane	U		0.000317	0.00114	1	04/02/2018 15:35	WG1092512
Trichloroethene	2.34		0.0798	0.286	250	04/04/2018 18:04	WG1092512
Trichlorofluoromethane	U		0.000437	0.00571	1	04/02/2018 15:35	WG1092512
1,2,3-Trichloropropane	U		0.000847	0.00286	1	04/02/2018 15:35	WG1092512
1,2,4-Trimethylbenzene	U		0.000241	0.00114	1	04/02/2018 15:35	WG1092512
1,2,3-Trimethylbenzene	U		0.000328	0.00114	1	04/02/2018 15:35	WG1092512
1,3,5-Trimethylbenzene	U		0.000304	0.00114	1	04/02/2018 15:35	WG1092512
Vinyl acetate	U		0.00273	0.0114	1	04/02/2018 15:35	WG1092512
Vinyl chloride	0.181	E	0.000333	0.00114	1	04/02/2018 15:35	WG1092512
Xylenes, Total	U		0.000798	0.00343	1	04/02/2018 15:35	WG1092512
(S) Toluene-d8	*111*			*80.0-120*		*04/04/2018 18:04*	WG1092512
(S) Toluene-d8	*109*			*80.0-120*		*04/02/2018 15:35*	WG1092512
(S) Dibromofluoromethane	*101*			*74.0-131*		*04/02/2018 15:35*	WG1092512
(S) Dibromofluoromethane	*102*			*74.0-131*		*04/04/2018 18:04*	WG1092512
(S) 4-Bromofluorobenzene	*94.8*			*64.0-132*		*04/02/2018 15:35*	WG1092512
(S) 4-Bromofluorobenzene	*102*			*64.0-132*		*04/04/2018 18:04*	WG1092512

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	91.1		1	04/05/2018 15:47	WG1094166

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U	J0 J4	0.0110	0.0549	1	04/02/2018 15:55	WG1092512
Acrylonitrile	U		0.00197	0.0110	1	04/02/2018 15:55	WG1092512
Benzene	U		0.000297	0.00110	1	04/02/2018 15:55	WG1092512
Bromobenzene	U		0.000312	0.00110	1	04/02/2018 15:55	WG1092512
Bromodichloromethane	U	J0	0.000279	0.00110	1	04/02/2018 15:55	WG1092512
Bromochloromethane	U		0.000428	0.00549	1	04/02/2018 15:55	WG1092512
Bromoform	U	J0 J4	0.000466	0.00110	1	04/02/2018 15:55	WG1092512
Bromomethane	U		0.00147	0.00549	1	04/02/2018 15:55	WG1092512
n-Butylbenzene	U		0.000283	0.00110	1	04/02/2018 15:55	WG1092512
sec-Butylbenzene	U		0.000221	0.00110	1	04/02/2018 15:55	WG1092512
tert-Butylbenzene	U		0.000226	0.00110	1	04/02/2018 15:55	WG1092512
Carbon disulfide	0.000841	J J0	0.000243	0.00110	1	04/02/2018 15:55	WG1092512
Carbon tetrachloride	U		0.000360	0.00110	1	04/02/2018 15:55	WG1092512
Chlorobenzene	U		0.000233	0.00110	1	04/02/2018 15:55	WG1092512
Chlorodibromomethane	U		0.000410	0.00110	1	04/02/2018 15:55	WG1092512
Chloroethane	U		0.00104	0.00549	1	04/02/2018 15:55	WG1092512
Chloroform	U		0.000251	0.00549	1	04/02/2018 15:55	WG1092512
Chloromethane	U		0.000412	0.00275	1	04/02/2018 15:55	WG1092512
2-Chlorotoluene	U		0.000331	0.00110	1	04/02/2018 15:55	WG1092512
4-Chlorotoluene	U		0.000264	0.00110	1	04/02/2018 15:55	WG1092512
1,2-Dibromo-3-Chloropropane	U		0.00115	0.00549	1	04/02/2018 15:55	WG1092512
1,2-Dibromoethane	U		0.000377	0.00110	1	04/02/2018 15:55	WG1092512
Dibromomethane	U		0.000420	0.00110	1	04/02/2018 15:55	WG1092512
1,2-Dichlorobenzene	U		0.000335	0.00110	1	04/02/2018 15:55	WG1092512
1,3-Dichlorobenzene	U		0.000262	0.00110	1	04/02/2018 15:55	WG1092512
1,4-Dichlorobenzene	U		0.000248	0.00110	1	04/02/2018 15:55	WG1092512
Dichlorodifluoromethane	U	J0	0.000783	0.00549	1	04/02/2018 15:55	WG1092512
1,1-Dichloroethane	U		0.000219	0.00110	1	04/02/2018 15:55	WG1092512
1,2-Dichloroethane	U		0.000291	0.00110	1	04/02/2018 15:55	WG1092512
1,1-Dichloroethene	0.00727		0.000333	0.00110	1	04/02/2018 15:55	WG1092512
cis-1,2-Dichloroethene	0.530		0.0130	0.0549	50	04/04/2018 18:24	WG1092512
trans-1,2-Dichloroethene	0.000888	J	0.000290	0.00110	1	04/02/2018 15:55	WG1092512
1,2-Dichloropropane	U		0.000393	0.00110	1	04/02/2018 15:55	WG1092512
1,1-Dichloropropene	U		0.000348	0.00110	1	04/02/2018 15:55	WG1092512
1,3-Dichloropropane	U		0.000227	0.00110	1	04/02/2018 15:55	WG1092512
cis-1,3-Dichloropropene	U		0.000288	0.00110	1	04/02/2018 15:55	WG1092512
trans-1,3-Dichloropropene	U		0.000293	0.00110	1	04/02/2018 15:55	WG1092512
trans-1,4-Dichloro-2-butene	U		0.000854	0.00275	1	04/02/2018 15:55	WG1092512
2,2-Dichloropropane	U		0.000306	0.00110	1	04/02/2018 15:55	WG1092512
Di-isopropyl ether	U		0.000272	0.00110	1	04/02/2018 15:55	WG1092512
Ethylbenzene	U		0.000326	0.00110	1	04/02/2018 15:55	WG1092512
Hexachloro-1,3-butadiene	U		0.000376	0.00110	1	04/02/2018 15:55	WG1092512
2-Hexanone	U		0.00150	0.0110	1	04/02/2018 15:55	WG1092512
n-Hexane	0.000804	J	0.000318	0.0110	1	04/02/2018 15:55	WG1092512
Iodomethane	U		0.00278	0.0110	1	04/02/2018 15:55	WG1092512
Isopropylbenzene	U		0.000267	0.00110	1	04/02/2018 15:55	WG1092512
p-Isopropyltoluene	U		0.000224	0.00110	1	04/02/2018 15:55	WG1092512
2-Butanone (MEK)	U	J0	0.00514	0.0110	1	04/02/2018 15:55	WG1092512
Methylene Chloride	U		0.00110	0.00549	1	04/02/2018 15:55	WG1092512
4-Methyl-2-pentanone (MIBK)	U		0.00206	0.0110	1	04/02/2018 15:55	WG1092512

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000233	0.00110	1	04/02/2018 15:55	WG1092512
Naphthalene	U		0.00110	0.00549	1	04/02/2018 15:55	WG1092512
n-Propylbenzene	U		0.000226	0.00110	1	04/02/2018 15:55	WG1092512
Styrene	U		0.000257	0.00110	1	04/02/2018 15:55	WG1092512
1,1,1,2-Tetrachloroethane	U		0.000290	0.00110	1	04/02/2018 15:55	WG1092512
1,1,2,2-Tetrachloroethane	U		0.000401	0.00110	1	04/02/2018 15:55	WG1092512
1,1,2-Trichlorotrifluoroethane	U		0.000401	0.00110	1	04/02/2018 15:55	WG1092512
Tetrachloroethene	1.49		0.0152	0.0549	50	04/04/2018 18:24	WG1092512
Toluene	U		0.000477	0.00549	1	04/02/2018 15:55	WG1092512
1,2,3-Trichlorobenzene	U		0.000336	0.00110	1	04/02/2018 15:55	WG1092512
1,2,4-Trichlorobenzene	U		0.000426	0.00110	1	04/02/2018 15:55	WG1092512
1,1,1-Trichloroethane	U		0.000314	0.00110	1	04/02/2018 15:55	WG1092512
1,1,2-Trichloroethane	U		0.000304	0.00110	1	04/02/2018 15:55	WG1092512
Trichloroethene	0.205		0.0154	0.0549	50	04/04/2018 18:24	WG1092512
Trichlorofluoromethane	U		0.000420	0.00549	1	04/02/2018 15:55	WG1092512
1,2,3-Trichloropropane	U		0.000814	0.00275	1	04/02/2018 15:55	WG1092512
1,2,4-Trimethylbenzene	U		0.000232	0.00110	1	04/02/2018 15:55	WG1092512
1,2,3-Trimethylbenzene	U		0.000315	0.00110	1	04/02/2018 15:55	WG1092512
1,3,5-Trimethylbenzene	U		0.000292	0.00110	1	04/02/2018 15:55	WG1092512
Vinyl acetate	U		0.00262	0.0110	1	04/02/2018 15:55	WG1092512
Vinyl chloride	0.0607	J0	0.000320	0.00110	1	04/02/2018 15:55	WG1092512
Xylenes, Total	U		0.000767	0.00329	1	04/02/2018 15:55	WG1092512
(S) Toluene-d8	*108*			*80.0-120*		*04/04/2018 18:24*	WG1092512
(S) Toluene-d8	*104*			*80.0-120*		*04/02/2018 15:55*	WG1092512
(S) Dibromofluoromethane	*100*			*74.0-131*		*04/02/2018 15:55*	WG1092512
(S) Dibromofluoromethane	*104*			*74.0-131*		*04/04/2018 18:24*	WG1092512
(S) 4-Bromofluorobenzene	*93.2*			*64.0-132*		*04/02/2018 15:55*	WG1092512
(S) 4-Bromofluorobenzene	*101*			*64.0-132*		*04/04/2018 18:24*	WG1092512

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	86.2		1	04/05/2018 15:47	WG1094166

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U	J0 J4	0.0116	0.0580	1	04/02/2018 16:14	WG1092512
Acrylonitrile	U		0.00208	0.0116	1	04/02/2018 16:14	WG1092512
Benzene	U		0.000313	0.00116	1	04/02/2018 16:14	WG1092512
Bromobenzene	U		0.000329	0.00116	1	04/02/2018 16:14	WG1092512
Bromodichloromethane	U	J0	0.000294	0.00116	1	04/02/2018 16:14	WG1092512
Bromochloromethane	U		0.000452	0.00580	1	04/02/2018 16:14	WG1092512
Bromoform	U	J0 J4	0.000492	0.00116	1	04/02/2018 16:14	WG1092512
Bromomethane	U		0.00155	0.00580	1	04/02/2018 16:14	WG1092512
n-Butylbenzene	U		0.000299	0.00116	1	04/02/2018 16:14	WG1092512
sec-Butylbenzene	U		0.000233	0.00116	1	04/02/2018 16:14	WG1092512
tert-Butylbenzene	U		0.000239	0.00116	1	04/02/2018 16:14	WG1092512
Carbon disulfide	0.000289	J J0	0.000256	0.00116	1	04/02/2018 16:14	WG1092512
Carbon tetrachloride	U		0.000380	0.00116	1	04/02/2018 16:14	WG1092512
Chlorobenzene	U		0.000246	0.00116	1	04/02/2018 16:14	WG1092512
Chlorodibromomethane	U		0.000432	0.00116	1	04/02/2018 16:14	WG1092512
Chloroethane	U		0.00110	0.00580	1	04/02/2018 16:14	WG1092512
Chloroform	U		0.000266	0.00580	1	04/02/2018 16:14	WG1092512
Chloromethane	U		0.000435	0.00290	1	04/02/2018 16:14	WG1092512
2-Chlorotoluene	U		0.000349	0.00116	1	04/02/2018 16:14	WG1092512
4-Chlorotoluene	U		0.000278	0.00116	1	04/02/2018 16:14	WG1092512
1,2-Dibromo-3-Chloropropane	U		0.00122	0.00580	1	04/02/2018 16:14	WG1092512
1,2-Dibromoethane	U		0.000398	0.00116	1	04/02/2018 16:14	WG1092512
Dibromomethane	U		0.000443	0.00116	1	04/02/2018 16:14	WG1092512
1,2-Dichlorobenzene	U		0.000354	0.00116	1	04/02/2018 16:14	WG1092512
1,3-Dichlorobenzene	U		0.000277	0.00116	1	04/02/2018 16:14	WG1092512
1,4-Dichlorobenzene	U		0.000262	0.00116	1	04/02/2018 16:14	WG1092512
Dichlorodifluoromethane	U	J0	0.000827	0.00580	1	04/02/2018 16:14	WG1092512
1,1-Dichloroethane	U		0.000231	0.00116	1	04/02/2018 16:14	WG1092512
1,2-Dichloroethane	U		0.000307	0.00116	1	04/02/2018 16:14	WG1092512
1,1-Dichloroethene	U		0.000351	0.00116	1	04/02/2018 16:14	WG1092512
cis-1,2-Dichloroethene	0.000882	J	0.000272	0.00116	1	04/04/2018 14:44	WG1092512
trans-1,2-Dichloroethene	U		0.000306	0.00116	1	04/02/2018 16:14	WG1092512
1,2-Dichloropropane	U		0.000415	0.00116	1	04/02/2018 16:14	WG1092512
1,1-Dichloropropene	U		0.000368	0.00116	1	04/02/2018 16:14	WG1092512
1,3-Dichloropropane	U		0.000240	0.00116	1	04/02/2018 16:14	WG1092512
cis-1,3-Dichloropropene	U		0.000304	0.00116	1	04/02/2018 16:14	WG1092512
trans-1,3-Dichloropropene	U		0.000310	0.00116	1	04/02/2018 16:14	WG1092512
trans-1,4-Dichloro-2-butene	U		0.000902	0.00290	1	04/02/2018 16:14	WG1092512
2,2-Dichloropropane	U		0.000323	0.00116	1	04/02/2018 16:14	WG1092512
Di-isopropyl ether	U		0.000288	0.00116	1	04/02/2018 16:14	WG1092512
Ethylbenzene	U		0.000344	0.00116	1	04/02/2018 16:14	WG1092512
Hexachloro-1,3-butadiene	U		0.000397	0.00116	1	04/02/2018 16:14	WG1092512
2-Hexanone	U		0.00159	0.0116	1	04/02/2018 16:14	WG1092512
n-Hexane	U		0.000336	0.0116	1	04/02/2018 16:14	WG1092512
Iodomethane	U		0.00293	0.0116	1	04/02/2018 16:14	WG1092512
Isopropylbenzene	U		0.000282	0.00116	1	04/02/2018 16:14	WG1092512
p-Isopropyltoluene	U		0.000237	0.00116	1	04/02/2018 16:14	WG1092512
2-Butanone (MEK)	U	J0	0.00543	0.0116	1	04/02/2018 16:14	WG1092512
Methylene Chloride	U		0.00116	0.00580	1	04/02/2018 16:14	WG1092512
4-Methyl-2-pentanone (MIBK)	U		0.00218	0.0116	1	04/02/2018 16:14	WG1092512

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000246	0.00116	1	04/02/2018 16:14	WG1092512
Naphthalene	U		0.00116	0.00580	1	04/02/2018 16:14	WG1092512
n-Propylbenzene	U		0.000239	0.00116	1	04/02/2018 16:14	WG1092512
Styrene	U		0.000271	0.00116	1	04/02/2018 16:14	WG1092512
1,1,1,2-Tetrachloroethane	U		0.000306	0.00116	1	04/02/2018 16:14	WG1092512
1,1,2,2-Tetrachloroethane	U		0.000423	0.00116	1	04/02/2018 16:14	WG1092512
1,1,2-Trichlorotrifluoroethane	U		0.000423	0.00116	1	04/02/2018 16:14	WG1092512
Tetrachloroethene	0.00378		0.000320	0.00116	1	04/04/2018 14:44	WG1092512
Toluene	U		0.000503	0.00580	1	04/02/2018 16:14	WG1092512
1,2,3-Trichlorobenzene	U		0.000355	0.00116	1	04/02/2018 16:14	WG1092512
1,2,4-Trichlorobenzene	U		0.000450	0.00116	1	04/02/2018 16:14	WG1092512
1,1,1-Trichloroethane	U		0.000332	0.00116	1	04/02/2018 16:14	WG1092512
1,1,2-Trichloroethane	U		0.000321	0.00116	1	04/02/2018 16:14	WG1092512
Trichloroethene	U		0.000323	0.00116	1	04/04/2018 14:44	WG1092512
Trichlorofluoromethane	U		0.000443	0.00580	1	04/02/2018 16:14	WG1092512
1,2,3-Trichloropropane	U		0.000859	0.00290	1	04/02/2018 16:14	WG1092512
1,2,4-Trimethylbenzene	U		0.000245	0.00116	1	04/02/2018 16:14	WG1092512
1,2,3-Trimethylbenzene	U		0.000333	0.00116	1	04/02/2018 16:14	WG1092512
1,3,5-Trimethylbenzene	U		0.000308	0.00116	1	04/02/2018 16:14	WG1092512
Vinyl acetate	U		0.00277	0.0116	1	04/02/2018 16:14	WG1092512
Vinyl chloride	0.00207		0.000337	0.00116	1	04/04/2018 14:44	WG1092512
Xylenes, Total	U		0.000809	0.00348	1	04/02/2018 16:14	WG1092512
(S) Toluene-d8	*102*			*80.0-120*		*04/04/2018 14:44*	WG1092512
(S) Toluene-d8	*106*			*80.0-120*		*04/02/2018 16:14*	WG1092512
(S) Dibromofluoromethane	*101*			*74.0-131*		*04/02/2018 16:14*	WG1092512
(S) Dibromofluoromethane	*114*			*74.0-131*		*04/04/2018 14:44*	WG1092512
(S) 4-Bromofluorobenzene	*91.4*			*64.0-132*		*04/02/2018 16:14*	WG1092512
(S) 4-Bromofluorobenzene	*106*			*64.0-132*		*04/04/2018 14:44*	WG1092512

Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch
Analyte	%			date / time	
Total Solids	83.9		1	04/05/2018 15:47	WG1094166

Volatile Organic Compounds (GC/MS) by Method 8260C

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J0 J4	0.0119	0.0596	1	04/02/2018 16:34	WG1092512
Acrylonitrile	U		0.00213	0.0119	1	04/02/2018 16:34	WG1092512
Benzene	U		0.000322	0.00119	1	04/02/2018 16:34	WG1092512
Bromobenzene	U		0.000338	0.00119	1	04/02/2018 16:34	WG1092512
Bromodichloromethane	U	J0	0.000303	0.00119	1	04/02/2018 16:34	WG1092512
Bromochloromethane	U		0.000465	0.00596	1	04/02/2018 16:34	WG1092512
Bromoform	U	J0 J4	0.000505	0.00119	1	04/02/2018 16:34	WG1092512
Bromomethane	U		0.00160	0.00596	1	04/02/2018 16:34	WG1092512
n-Butylbenzene	U		0.000307	0.00119	1	04/02/2018 16:34	WG1092512
sec-Butylbenzene	U		0.000239	0.00119	1	04/02/2018 16:34	WG1092512
tert-Butylbenzene	U		0.000245	0.00119	1	04/02/2018 16:34	WG1092512
Carbon disulfide	U	J0	0.000263	0.00119	1	04/02/2018 16:34	WG1092512
Carbon tetrachloride	U		0.000391	0.00119	1	04/02/2018 16:34	WG1092512
Chlorobenzene	U		0.000253	0.00119	1	04/02/2018 16:34	WG1092512
Chlorodibromomethane	U		0.000444	0.00119	1	04/02/2018 16:34	WG1092512
Chloroethane	U		0.00113	0.00596	1	04/02/2018 16:34	WG1092512
Chloroform	U		0.000273	0.00596	1	04/02/2018 16:34	WG1092512
Chloromethane	U		0.000447	0.00298	1	04/02/2018 16:34	WG1092512
2-Chlorotoluene	U		0.000359	0.00119	1	04/02/2018 16:34	WG1092512
4-Chlorotoluene	U		0.000286	0.00119	1	04/02/2018 16:34	WG1092512
1,2-Dibromo-3-Chloropropane	U		0.00125	0.00596	1	04/02/2018 16:34	WG1092512
1,2-Dibromoethane	U		0.000409	0.00119	1	04/02/2018 16:34	WG1092512
Dibromomethane	U		0.000455	0.00119	1	04/02/2018 16:34	WG1092512
1,2-Dichlorobenzene	U		0.000363	0.00119	1	04/02/2018 16:34	WG1092512
1,3-Dichlorobenzene	U		0.000285	0.00119	1	04/02/2018 16:34	WG1092512
1,4-Dichlorobenzene	U		0.000269	0.00119	1	04/02/2018 16:34	WG1092512
Dichlorodifluoromethane	U	J0	0.000849	0.00596	1	04/02/2018 16:34	WG1092512
1,1-Dichloroethane	U		0.000237	0.00119	1	04/02/2018 16:34	WG1092512
1,2-Dichloroethane	U		0.000316	0.00119	1	04/02/2018 16:34	WG1092512
1,1-Dichloroethene	U		0.000361	0.00119	1	04/02/2018 16:34	WG1092512
cis-1,2-Dichloroethene	0.00440		0.000280	0.00119	1	04/04/2018 15:04	WG1092512
trans-1,2-Dichloroethene	U		0.000315	0.00119	1	04/02/2018 16:34	WG1092512
1,2-Dichloropropane	U		0.000427	0.00119	1	04/02/2018 16:34	WG1092512
1,1-Dichloropropene	U		0.000378	0.00119	1	04/02/2018 16:34	WG1092512
1,3-Dichloropropane	U		0.000247	0.00119	1	04/02/2018 16:34	WG1092512
cis-1,3-Dichloropropene	U		0.000312	0.00119	1	04/02/2018 16:34	WG1092512
trans-1,3-Dichloropropene	U		0.000318	0.00119	1	04/02/2018 16:34	WG1092512
trans-1,4-Dichloro-2-butene	U		0.000927	0.00298	1	04/02/2018 16:34	WG1092512
2,2-Dichloropropane	U		0.000332	0.00119	1	04/02/2018 16:34	WG1092512
Di-isopropyl ether	U		0.000295	0.00119	1	04/02/2018 16:34	WG1092512
Ethylbenzene	U		0.000354	0.00119	1	04/02/2018 16:34	WG1092512
Hexachloro-1,3-butadiene	U		0.000407	0.00119	1	04/02/2018 16:34	WG1092512
2-Hexanone	U		0.00163	0.0119	1	04/02/2018 16:34	WG1092512
n-Hexane	U		0.000346	0.0119	1	04/02/2018 16:34	WG1092512
Iodomethane	U		0.00301	0.0119	1	04/02/2018 16:34	WG1092512
Isopropylbenzene	U		0.000290	0.00119	1	04/02/2018 16:34	WG1092512
p-Isopropyltoluene	U		0.000243	0.00119	1	04/02/2018 16:34	WG1092512
2-Butanone (MEK)	U	J0	0.00558	0.0119	1	04/02/2018 16:34	WG1092512
Methylene Chloride	U		0.00119	0.00596	1	04/02/2018 16:34	WG1092512
4-Methyl-2-pentanone (MIBK)	U		0.00224	0.0119	1	04/02/2018 16:34	WG1092512

B-243-75
Collected date/time: 03/29/18 15:21

SAMPLE RESULTS - 05

L982194

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000253	0.00119	1	04/02/2018 16:34	WG1092512
Naphthalene	U		0.00119	0.00596	1	04/02/2018 16:34	WG1092512
n-Propylbenzene	U		0.000245	0.00119	1	04/02/2018 16:34	WG1092512
Styrene	U		0.000279	0.00119	1	04/02/2018 16:34	WG1092512
1,1,1,2-Tetrachloroethane	U		0.000315	0.00119	1	04/02/2018 16:34	WG1092512
1,1,2,2-Tetrachloroethane	U		0.000435	0.00119	1	04/02/2018 16:34	WG1092512
1,1,2-Trichlorotrifluoroethane	U		0.000435	0.00119	1	04/02/2018 16:34	WG1092512
Tetrachloroethene	0.0290		0.000329	0.00119	1	04/04/2018 15:04	WG1092512
Toluene	U		0.000517	0.00596	1	04/02/2018 16:34	WG1092512
1,2,3-Trichlorobenzene	U		0.000365	0.00119	1	04/02/2018 16:34	WG1092512
1,2,4-Trichlorobenzene	U		0.000462	0.00119	1	04/02/2018 16:34	WG1092512
1,1,1-Trichloroethane	U		0.000341	0.00119	1	04/02/2018 16:34	WG1092512
1,1,2-Trichloroethane	U		0.000330	0.00119	1	04/02/2018 16:34	WG1092512
Trichloroethene	0.00173		0.000332	0.00119	1	04/04/2018 15:04	WG1092512
Trichlorofluoromethane	U		0.000455	0.00596	1	04/02/2018 16:34	WG1092512
1,2,3-Trichloropropane	U		0.000883	0.00298	1	04/02/2018 16:34	WG1092512
1,2,4-Trimethylbenzene	U		0.000251	0.00119	1	04/02/2018 16:34	WG1092512
1,2,3-Trimethylbenzene	U		0.000342	0.00119	1	04/02/2018 16:34	WG1092512
1,3,5-Trimethylbenzene	U		0.000317	0.00119	1	04/02/2018 16:34	WG1092512
Vinyl acetate	U		0.00285	0.0119	1	04/02/2018 16:34	WG1092512
Vinyl chloride	U		0.000347	0.00119	1	04/02/2018 16:34	WG1092512
Xylenes, Total	U		0.000832	0.00357	1	04/02/2018 16:34	WG1092512
(S) Toluene-d8	*105*			*80.0-120*		*04/02/2018 16:34*	WG1092512
(S) Toluene-d8	*102*			*80.0-120*		*04/04/2018 15:04*	WG1092512
(S) Dibromofluoromethane	*102*			*74.0-131*		*04/02/2018 16:34*	WG1092512
(S) Dibromofluoromethane	*112*			*74.0-131*		*04/04/2018 15:04*	WG1092512
(S) 4-Bromofluorobenzene	*88.4*			*64.0-132*		*04/02/2018 16:34*	WG1092512
(S) 4-Bromofluorobenzene	*104*			*64.0-132*		*04/04/2018 15:04*	WG1092512

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	82.3		1	04/05/2018 15:47	WG1094166

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U	J0 J4	0.0121	0.0607	1	04/02/2018 16:54	WG1092512
Acrylonitrile	U		0.00217	0.0121	1	04/02/2018 16:54	WG1092512
Benzene	U		0.000328	0.00121	1	04/02/2018 16:54	WG1092512
Bromobenzene	U		0.000345	0.00121	1	04/02/2018 16:54	WG1092512
Bromodichloromethane	U	J0	0.000309	0.00121	1	04/02/2018 16:54	WG1092512
Bromochloromethane	U		0.000474	0.00607	1	04/02/2018 16:54	WG1092512
Bromoform	U	J0 J4	0.000515	0.00121	1	04/02/2018 16:54	WG1092512
Bromomethane	U		0.00163	0.00607	1	04/02/2018 16:54	WG1092512
n-Butylbenzene	U		0.000313	0.00121	1	04/02/2018 16:54	WG1092512
sec-Butylbenzene	U		0.000244	0.00121	1	04/02/2018 16:54	WG1092512
tert-Butylbenzene	U		0.000250	0.00121	1	04/02/2018 16:54	WG1092512
Carbon disulfide	0.000471	J J0	0.000268	0.00121	1	04/02/2018 16:54	WG1092512
Carbon tetrachloride	U		0.000398	0.00121	1	04/02/2018 16:54	WG1092512
Chlorobenzene	U		0.000258	0.00121	1	04/02/2018 16:54	WG1092512
Chlorodibromomethane	U		0.000453	0.00121	1	04/02/2018 16:54	WG1092512
Chloroethane	U		0.00115	0.00607	1	04/02/2018 16:54	WG1092512
Chloroform	U		0.000278	0.00607	1	04/02/2018 16:54	WG1092512
Chloromethane	U		0.000455	0.00304	1	04/02/2018 16:54	WG1092512
2-Chlorotoluene	U		0.000366	0.00121	1	04/02/2018 16:54	WG1092512
4-Chlorotoluene	U		0.000292	0.00121	1	04/02/2018 16:54	WG1092512
1,2-Dibromo-3-Chloropropane	U		0.00128	0.00607	1	04/02/2018 16:54	WG1092512
1,2-Dibromoethane	U		0.000417	0.00121	1	04/02/2018 16:54	WG1092512
Dibromomethane	U		0.000464	0.00121	1	04/02/2018 16:54	WG1092512
1,2-Dichlorobenzene	U		0.000370	0.00121	1	04/02/2018 16:54	WG1092512
1,3-Dichlorobenzene	U		0.000290	0.00121	1	04/02/2018 16:54	WG1092512
1,4-Dichlorobenzene	U		0.000275	0.00121	1	04/02/2018 16:54	WG1092512
Dichlorodifluoromethane	U	J0	0.000866	0.00607	1	04/02/2018 16:54	WG1092512
1,1-Dichloroethane	U		0.000242	0.00121	1	04/02/2018 16:54	WG1092512
1,2-Dichloroethane	U		0.000322	0.00121	1	04/02/2018 16:54	WG1092512
1,1-Dichloroethene	U		0.000368	0.00121	1	04/02/2018 16:54	WG1092512
cis-1,2-Dichloroethene	0.00775		0.000285	0.00121	1	04/02/2018 16:54	WG1092512
trans-1,2-Dichloroethene	U		0.000321	0.00121	1	04/02/2018 16:54	WG1092512
1,2-Dichloropropane	U		0.000435	0.00121	1	04/02/2018 16:54	WG1092512
1,1-Dichloropropene	U		0.000385	0.00121	1	04/02/2018 16:54	WG1092512
1,3-Dichloropropane	U		0.000251	0.00121	1	04/02/2018 16:54	WG1092512
cis-1,3-Dichloropropene	U		0.000318	0.00121	1	04/02/2018 16:54	WG1092512
trans-1,3-Dichloropropene	U		0.000324	0.00121	1	04/02/2018 16:54	WG1092512
trans-1,4-Dichloro-2-butene	U		0.000945	0.00304	1	04/02/2018 16:54	WG1092512
2,2-Dichloropropane	U		0.000339	0.00121	1	04/02/2018 16:54	WG1092512
Di-isopropyl ether	U		0.000301	0.00121	1	04/02/2018 16:54	WG1092512
Ethylbenzene	U		0.000361	0.00121	1	04/02/2018 16:54	WG1092512
Hexachloro-1,3-butadiene	U		0.000415	0.00121	1	04/02/2018 16:54	WG1092512
2-Hexanone	U		0.00166	0.0121	1	04/02/2018 16:54	WG1092512
n-Hexane	U		0.000352	0.0121	1	04/02/2018 16:54	WG1092512
Iodomethane	U		0.00307	0.0121	1	04/02/2018 16:54	WG1092512
Isopropylbenzene	U		0.000295	0.00121	1	04/02/2018 16:54	WG1092512
p-Isopropyltoluene	U		0.000248	0.00121	1	04/02/2018 16:54	WG1092512
2-Butanone (MEK)	U	J0	0.00568	0.0121	1	04/02/2018 16:54	WG1092512
Methylene Chloride	U		0.00121	0.00607	1	04/02/2018 16:54	WG1092512
4-Methyl-2-pentanone (MIBK)	U		0.00228	0.0121	1	04/02/2018 16:54	WG1092512

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000258	0.00121	1	04/02/2018 16:54	WG1092512
Naphthalene	U		0.00121	0.00607	1	04/02/2018 16:54	WG1092512
n-Propylbenzene	U		0.000250	0.00121	1	04/02/2018 16:54	WG1092512
Styrene	U		0.000284	0.00121	1	04/02/2018 16:54	WG1092512
1,1,1,2-Tetrachloroethane	U		0.000321	0.00121	1	04/02/2018 16:54	WG1092512
1,1,2,2-Tetrachloroethane	U		0.000443	0.00121	1	04/02/2018 16:54	WG1092512
1,1,2-Trichlorotrifluoroethane	U		0.000443	0.00121	1	04/02/2018 16:54	WG1092512
Tetrachloroethene	0.0300		0.000335	0.00121	1	04/02/2018 16:54	WG1092512
Toluene	U		0.000527	0.00607	1	04/02/2018 16:54	WG1092512
1,2,3-Trichlorobenzene	U		0.000372	0.00121	1	04/02/2018 16:54	WG1092512
1,2,4-Trichlorobenzene	U		0.000471	0.00121	1	04/02/2018 16:54	WG1092512
1,1,1-Trichloroethane	U		0.000347	0.00121	1	04/02/2018 16:54	WG1092512
1,1,2-Trichloroethane	U		0.000336	0.00121	1	04/02/2018 16:54	WG1092512
Trichloroethene	0.00253		0.000339	0.00121	1	04/02/2018 16:54	WG1092512
Trichlorofluoromethane	U		0.000464	0.00607	1	04/02/2018 16:54	WG1092512
1,2,3-Trichloropropane	U		0.000900	0.00304	1	04/02/2018 16:54	WG1092512
1,2,4-Trimethylbenzene	U		0.000256	0.00121	1	04/02/2018 16:54	WG1092512
1,2,3-Trimethylbenzene	U		0.000349	0.00121	1	04/02/2018 16:54	WG1092512
1,3,5-Trimethylbenzene	U		0.000323	0.00121	1	04/02/2018 16:54	WG1092512
Vinyl acetate	U		0.00290	0.0121	1	04/02/2018 16:54	WG1092512
Vinyl chloride	0.000385	J	0.000353	0.00121	1	04/02/2018 16:54	WG1092512
Xylenes, Total	U		0.000848	0.00364	1	04/02/2018 16:54	WG1092512
(S) Toluene-d8	*105*			*80.0-120*		*04/02/2018 16:54*	WG1092512
(S) Dibromofluoromethane	*102*			*74.0-131*		*04/02/2018 16:54*	WG1092512
(S) 4-Bromofluorobenzene	*89.3*			*64.0-132*		*04/02/2018 16:54*	WG1092512

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	88.4		1	04/05/2018 15:47	WG1094166

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U	J0 J4	0.0113	0.0566	1	04/02/2018 17:13	WG1092512
Acrylonitrile	U		0.00202	0.0113	1	04/02/2018 17:13	WG1092512
Benzene	U		0.000305	0.00113	1	04/02/2018 17:13	WG1092512
Bromobenzene	U		0.000321	0.00113	1	04/02/2018 17:13	WG1092512
Bromodichloromethane	U	J0	0.000287	0.00113	1	04/02/2018 17:13	WG1092512
Bromochloromethane	U		0.000441	0.00566	1	04/02/2018 17:13	WG1092512
Bromoform	U	J0 J4	0.000480	0.00113	1	04/02/2018 17:13	WG1092512
Bromomethane	U		0.00152	0.00566	1	04/02/2018 17:13	WG1092512
n-Butylbenzene	U		0.000292	0.00113	1	04/02/2018 17:13	WG1092512
sec-Butylbenzene	U		0.000227	0.00113	1	04/02/2018 17:13	WG1092512
tert-Butylbenzene	U		0.000233	0.00113	1	04/02/2018 17:13	WG1092512
Carbon disulfide	0.00351	J0	0.000250	0.00113	1	04/02/2018 17:13	WG1092512
Carbon tetrachloride	U		0.000371	0.00113	1	04/02/2018 17:13	WG1092512
Chlorobenzene	U		0.000240	0.00113	1	04/02/2018 17:13	WG1092512
Chlorodibromomethane	U		0.000422	0.00113	1	04/02/2018 17:13	WG1092512
Chloroethane	U		0.00107	0.00566	1	04/02/2018 17:13	WG1092512
Chloroform	U		0.000259	0.00566	1	04/02/2018 17:13	WG1092512
Chloromethane	U		0.000424	0.00283	1	04/02/2018 17:13	WG1092512
2-Chlorotoluene	U		0.000340	0.00113	1	04/02/2018 17:13	WG1092512
4-Chlorotoluene	U		0.000271	0.00113	1	04/02/2018 17:13	WG1092512
1,2-Dibromo-3-Chloropropane	U		0.00119	0.00566	1	04/02/2018 17:13	WG1092512
1,2-Dibromoethane	U		0.000388	0.00113	1	04/02/2018 17:13	WG1092512
Dibromomethane	U		0.000432	0.00113	1	04/02/2018 17:13	WG1092512
1,2-Dichlorobenzene	U		0.000345	0.00113	1	04/02/2018 17:13	WG1092512
1,3-Dichlorobenzene	U		0.000270	0.00113	1	04/02/2018 17:13	WG1092512
1,4-Dichlorobenzene	U		0.000256	0.00113	1	04/02/2018 17:13	WG1092512
Dichlorodifluoromethane	U	J0	0.000807	0.00566	1	04/02/2018 17:13	WG1092512
1,1-Dichloroethane	U		0.000225	0.00113	1	04/02/2018 17:13	WG1092512
1,2-Dichloroethane	U		0.000300	0.00113	1	04/02/2018 17:13	WG1092512
1,1-Dichloroethene	0.0530		0.000343	0.00113	1	04/02/2018 17:13	WG1092512
cis-1,2-Dichloroethene	15.9		0.266	1.13	1000	04/04/2018 18:44	WG1092512
trans-1,2-Dichloroethene	0.0113		0.000299	0.00113	1	04/02/2018 17:13	WG1092512
1,2-Dichloropropane	U		0.000405	0.00113	1	04/02/2018 17:13	WG1092512
1,1-Dichloropropene	U		0.000359	0.00113	1	04/02/2018 17:13	WG1092512
1,3-Dichloropropane	U		0.000234	0.00113	1	04/02/2018 17:13	WG1092512
cis-1,3-Dichloropropene	U		0.000296	0.00113	1	04/02/2018 17:13	WG1092512
trans-1,3-Dichloropropene	U		0.000302	0.00113	1	04/02/2018 17:13	WG1092512
trans-1,4-Dichloro-2-butene	U		0.000880	0.00283	1	04/02/2018 17:13	WG1092512
2,2-Dichloropropane	U		0.000316	0.00113	1	04/02/2018 17:13	WG1092512
Di-isopropyl ether	U		0.000281	0.00113	1	04/02/2018 17:13	WG1092512
Ethylbenzene	U		0.000336	0.00113	1	04/02/2018 17:13	WG1092512
Hexachloro-1,3-butadiene	U		0.000387	0.00113	1	04/02/2018 17:13	WG1092512
2-Hexanone	U		0.00155	0.0113	1	04/02/2018 17:13	WG1092512
n-Hexane	0.000343	J	0.000328	0.0113	1	04/02/2018 17:13	WG1092512
Iodomethane	U		0.00286	0.0113	1	04/02/2018 17:13	WG1092512
Isopropylbenzene	U		0.000275	0.00113	1	04/02/2018 17:13	WG1092512
p-Isopropyltoluene	U		0.000231	0.00113	1	04/02/2018 17:13	WG1092512
2-Butanone (MEK)	U	J0	0.00529	0.0113	1	04/02/2018 17:13	WG1092512
Methylene Chloride	U		0.00113	0.00566	1	04/02/2018 17:13	WG1092512
4-Methyl-2-pentanone (MIBK)	U		0.00213	0.0113	1	04/02/2018 17:13	WG1092512

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000240	0.00113	1	04/02/2018 17:13	WG1092512
Naphthalene	U		0.00113	0.00566	1	04/02/2018 17:13	WG1092512
n-Propylbenzene	U		0.000233	0.00113	1	04/02/2018 17:13	WG1092512
Styrene	U		0.000265	0.00113	1	04/02/2018 17:13	WG1092512
1,1,1,2-Tetrachloroethane	U		0.000299	0.00113	1	04/02/2018 17:13	WG1092512
1,1,2,2-Tetrachloroethane	U		0.000413	0.00113	1	04/02/2018 17:13	WG1092512
1,1,2-Trichlorotrifluoroethane	U		0.000413	0.00113	1	04/02/2018 17:13	WG1092512
Tetrachloroethene	41.0		0.312	1.13	1000	04/04/2018 18:44	WG1092512
Toluene	0.000500	J	0.000491	0.00566	1	04/02/2018 17:13	WG1092512
1,2,3-Trichlorobenzene	U		0.000346	0.00113	1	04/02/2018 17:13	WG1092512
1,2,4-Trichlorobenzene	U		0.000439	0.00113	1	04/02/2018 17:13	WG1092512
1,1,1-Trichloroethane	U		0.000324	0.00113	1	04/02/2018 17:13	WG1092512
1,1,2-Trichloroethane	U		0.000313	0.00113	1	04/02/2018 17:13	WG1092512
Trichloroethene	6.18		0.316	1.13	1000	04/04/2018 18:44	WG1092512
Trichlorofluoromethane	U		0.000432	0.00566	1	04/02/2018 17:13	WG1092512
1,2,3-Trichloropropane	U		0.000838	0.00283	1	04/02/2018 17:13	WG1092512
1,2,4-Trimethylbenzene	U		0.000239	0.00113	1	04/02/2018 17:13	WG1092512
1,2,3-Trimethylbenzene	U		0.000325	0.00113	1	04/02/2018 17:13	WG1092512
1,3,5-Trimethylbenzene	U		0.000301	0.00113	1	04/02/2018 17:13	WG1092512
Vinyl acetate	U		0.00270	0.0113	1	04/02/2018 17:13	WG1092512
Vinyl chloride	0.404	J	0.329	1.13	1000	04/04/2018 18:44	WG1092512
Xylenes, Total	U		0.000790	0.00339	1	04/02/2018 17:13	WG1092512
(S) Toluene-d8	*109*			*80.0-120*		*04/02/2018 17:13*	WG1092512
(S) Toluene-d8	*112*			*80.0-120*		*04/04/2018 18:44*	WG1092512
(S) Dibromofluoromethane	*101*			*74.0-131*		*04/02/2018 17:13*	WG1092512
(S) Dibromofluoromethane	*105*			*74.0-131*		*04/04/2018 18:44*	WG1092512
(S) 4-Bromofluorobenzene	*95.2*			*64.0-132*		*04/02/2018 17:13*	WG1092512
(S) 4-Bromofluorobenzene	*101*			*64.0-132*		*04/04/2018 18:44*	WG1092512

Volatile Organic Compounds (GC/MS) by Method 8260C

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	ug/l		ug/l	ug/l		date / time	
Acetone	6.89	J	1.05	25.0	1	04/04/2018 18:08	WG1093696
Acrylonitrile	U		0.873	5.00	1	04/04/2018 18:08	WG1093696
Benzene	U		0.0896	0.500	1	04/04/2018 18:08	WG1093696
Bromobenzene	U		0.133	0.500	1	04/04/2018 18:08	WG1093696
Bromodichloromethane	U		0.0800	0.500	1	04/04/2018 18:08	WG1093696
Bromochloromethane	U		0.145	0.500	1	04/04/2018 18:08	WG1093696
Bromoform	U		0.186	0.500	1	04/04/2018 18:08	WG1093696
Bromomethane	U		0.157	2.50	1	04/04/2018 18:08	WG1093696
n-Butylbenzene	U		0.143	0.500	1	04/04/2018 18:08	WG1093696
sec-Butylbenzene	U		0.134	0.500	1	04/04/2018 18:08	WG1093696
tert-Butylbenzene	U		0.183	0.500	1	04/04/2018 18:08	WG1093696
Carbon disulfide	U		0.101	0.500	1	04/04/2018 18:08	WG1093696
Carbon tetrachloride	U		0.159	0.500	1	04/04/2018 18:08	WG1093696
Chlorobenzene	U		0.140	0.500	1	04/04/2018 18:08	WG1093696
Chlorodibromomethane	U		0.128	0.500	1	04/04/2018 18:08	WG1093696
Chloroethane	U		0.141	2.50	1	04/04/2018 18:08	WG1093696
Chloroform	U		0.0860	0.500	1	04/04/2018 18:08	WG1093696
Chloromethane	U		0.153	1.25	1	04/04/2018 18:08	WG1093696
2-Chlorotoluene	U		0.111	0.500	1	04/04/2018 18:08	WG1093696
4-Chlorotoluene	U		0.0972	0.500	1	04/04/2018 18:08	WG1093696
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/04/2018 18:08	WG1093696
1,2-Dibromoethane	U		0.193	0.500	1	04/04/2018 18:08	WG1093696
Dibromomethane	U		0.117	0.500	1	04/04/2018 18:08	WG1093696
1,2-Dichlorobenzene	U		0.101	0.500	1	04/04/2018 18:08	WG1093696
1,3-Dichlorobenzene	U		0.130	0.500	1	04/04/2018 18:08	WG1093696
1,4-Dichlorobenzene	U		0.121	0.500	1	04/04/2018 18:08	WG1093696
Dichlorodifluoromethane	U		0.127	2.50	1	04/04/2018 18:08	WG1093696
1,1-Dichloroethane	U		0.114	0.500	1	04/04/2018 18:08	WG1093696
1,2-Dichloroethane	U		0.108	0.500	1	04/04/2018 18:08	WG1093696
1,1-Dichloroethene	U		0.188	0.500	1	04/04/2018 18:08	WG1093696
cis-1,2-Dichloroethene	0.163	J	0.0933	0.500	1	04/04/2018 18:08	WG1093696
trans-1,2-Dichloroethene	U		0.152	0.500	1	04/04/2018 18:08	WG1093696
1,2-Dichloropropane	U		0.190	0.500	1	04/04/2018 18:08	WG1093696
1,1-Dichloropropene	U		0.128	0.500	1	04/04/2018 18:08	WG1093696
1,3-Dichloropropane	U		0.147	1.00	1	04/04/2018 18:08	WG1093696
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/04/2018 18:08	WG1093696
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/04/2018 18:08	WG1093696
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/04/2018 18:08	WG1093696
2,2-Dichloropropane	U		0.0929	0.500	1	04/04/2018 18:08	WG1093696
Di-isopropyl ether	U		0.0924	0.500	1	04/04/2018 18:08	WG1093696
Ethylbenzene	U		0.158	0.500	1	04/04/2018 18:08	WG1093696
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/04/2018 18:08	WG1093696
2-Hexanone	U		0.757	5.00	1	04/04/2018 18:08	WG1093696
n-Hexane	U		0.305	5.00	1	04/04/2018 18:08	WG1093696
Iodomethane	U		0.377	10.0	1	04/04/2018 18:08	WG1093696
Isopropylbenzene	U		0.126	0.500	1	04/04/2018 18:08	WG1093696
p-Isopropyltoluene	U		0.138	0.500	1	04/04/2018 18:08	WG1093696
2-Butanone (MEK)	U		1.28	5.00	1	04/04/2018 18:08	WG1093696
Methylene Chloride	U		1.07	2.50	1	04/04/2018 18:08	WG1093696
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/04/2018 18:08	WG1093696
Methyl tert-butyl ether	U		0.102	0.500	1	04/04/2018 18:08	WG1093696
Naphthalene	U		0.174	2.50	1	04/04/2018 18:08	WG1093696
n-Propylbenzene	U		0.162	0.500	1	04/04/2018 18:08	WG1093696
Styrene	U		0.117	0.500	1	04/04/2018 18:08	WG1093696
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/04/2018 18:08	WG1093696
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/04/2018 18:08	WG1093696

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/04/2018 18:08	WG1093696
Tetrachloroethene	U		0.199	0.500	1	04/04/2018 18:08	WG1093696
Toluene	U		0.412	0.500	1	04/04/2018 18:08	WG1093696
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/04/2018 18:08	WG1093696
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/04/2018 18:08	WG1093696
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/04/2018 18:08	WG1093696
1,1,2-Trichloroethane	U		0.186	0.500	1	04/04/2018 18:08	WG1093696
Trichloroethene	U		0.153	0.500	1	04/04/2018 18:08	WG1093696
Trichlorofluoromethane	U		0.130	2.50	1	04/04/2018 18:08	WG1093696
1,2,3-Trichloropropane	U		0.247	2.50	1	04/04/2018 18:08	WG1093696
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/04/2018 18:08	WG1093696
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/04/2018 18:08	WG1093696
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/04/2018 18:08	WG1093696
Vinyl acetate	U		0.645	5.00	1	04/04/2018 18:08	WG1093696
Vinyl chloride	U		0.118	0.500	1	04/04/2018 18:08	WG1093696
Xylenes, Total	U		0.316	1.50	1	04/04/2018 18:08	WG1093696
(S) Toluene-d8	*99.2*			*80.0-120*		*04/04/2018 18:08*	WG1093696
(S) Dibromofluoromethane	*94.7*			*76.0-123*		*04/04/2018 18:08*	WG1093696
(S) 4-Bromofluorobenzene	*99.4*			*80.0-120*		*04/04/2018 18:08*	WG1093696

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Method Blank (MB)

(MB) R3299622-1 04/05/18 15:03

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.00100			

L982234-04 Original Sample (OS) • Duplicate (DUP)

(OS) L982234-04 04/05/18 15:03 • (DUP) R3299622-3 04/05/18 15:03

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	89.1	89.8	1	0.812		5

Laboratory Control Sample (LCS)

(LCS) R3299622-2 04/05/18 15:03

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	85.0-115	

Method Blank (MB)

(MB) R3299637-1 04/05/18 15:47

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.00100			

L982194-05 Original Sample (OS) • Duplicate (DUP)

(OS) L982194-05 04/05/18 15:47 • (DUP) R3299637-3 04/05/18 15:47

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	83.9	85.2	1	1.54		5

Laboratory Control Sample (LCS)

(LCS) R3299637-2 04/05/18 15:47

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	85.0-115	

Method Blank (MB)

(MB) R3299014-3 04/02/18 11:08

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acetone	U		0.0100	0.0500
Acrylonitrile	U		0.00179	0.0100
Benzene	U		0.000270	0.00100
Bromobenzene	U		0.000284	0.00100
Bromodichloromethane	U		0.000254	0.00100
Bromochloromethane	U		0.000390	0.00500
Bromoform	U		0.000424	0.00100
Bromomethane	U		0.00134	0.00500
n-Butylbenzene	U		0.000258	0.00100
sec-Butylbenzene	U		0.000201	0.00100
tert-Butylbenzene	U		0.000206	0.00100
Carbon disulfide	U		0.000221	0.00100
Carbon tetrachloride	U		0.000328	0.00100
Chlorobenzene	U		0.000212	0.00100
Chlorodibromomethane	U		0.000373	0.00100
Chloroethane	U		0.000946	0.00500
Chloroform	U		0.000229	0.00500
Chloromethane	U		0.000375	0.00250
2-Chlorotoluene	U		0.000301	0.00100
4-Chlorotoluene	U		0.000240	0.00100
1,2-Dibromo-3-Chloropropane	U		0.00105	0.00500
1,2-Dibromoethane	U		0.000343	0.00100
Dibromomethane	U		0.000382	0.00100
1,2-Dichlorobenzene	U		0.000305	0.00100
1,3-Dichlorobenzene	U		0.000239	0.00100
1,4-Dichlorobenzene	U		0.000226	0.00100
trans-1,4-Dichloro-2-butene	U		0.000778	0.00250
Dichlorodifluoromethane	U		0.000713	0.00500
1,1-Dichloroethane	U		0.000199	0.00100
1,2-Dichloroethane	U		0.000265	0.00100
1,1-Dichloroethene	U		0.000303	0.00100
cis-1,2-Dichloroethene	U		0.000235	0.00100
trans-1,2-Dichloroethene	U		0.000264	0.00100
1,2-Dichloropropane	U		0.000358	0.00100
1,1-Dichloropropene	U		0.000317	0.00100
1,3-Dichloropropane	U		0.000207	0.00100
cis-1,3-Dichloropropene	U		0.000262	0.00100
trans-1,3-Dichloropropene	U		0.000267	0.00100
2,2-Dichloropropane	U		0.000279	0.00100
Di-isopropyl ether	U		0.000248	0.00100

Method Blank (MB)

(MB) R3299014-3 04/02/18 11:08

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Ethylbenzene	U		0.000297	0.00100
Hexachloro-1,3-butadiene	U		0.000342	0.00100
2-Hexanone	U		0.00137	0.0100
n-Hexane	U		0.000290	0.0100
Iodomethane	U		0.00253	0.0100
Isopropylbenzene	U		0.000243	0.00100
p-Isopropyltoluene	U		0.000204	0.00100
2-Butanone (MEK)	U		0.00468	0.0100
Methylene Chloride	U		0.00100	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.00188	0.0100
Methyl tert-butyl ether	U		0.000212	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.000206	0.00100
Styrene	U		0.000234	0.00100
1,1,1,2-Tetrachloroethane	U		0.000264	0.00100
1,1,2,2-Tetrachloroethane	U		0.000365	0.00100
Tetrachloroethene	U		0.000276	0.00100
Toluene	U		0.000434	0.00500
1,1,2-Trichlorotrifluoroethane	U		0.000365	0.00100
1,2,3-Trichlorobenzene	U		0.000306	0.00100
1,2,4-Trichlorobenzene	U		0.000388	0.00100
1,1,1-Trichloroethane	U		0.000286	0.00100
1,1,2-Trichloroethane	U		0.000277	0.00100
Trichloroethene	U		0.000279	0.00100
Trichlorofluoromethane	U		0.000382	0.00500
1,2,3-Trichloropropane	U		0.000741	0.00250
1,2,3-Trimethylbenzene	U		0.000287	0.00100
1,2,4-Trimethylbenzene	U		0.000211	0.00100
1,3,5-Trimethylbenzene	U		0.000266	0.00100
Vinyl acetate	U		0.00239	0.0100
Vinyl chloride	U		0.000291	0.00100
Xylenes, Total	U		0.000698	0.00300
(S) Toluene-d8	*113*			*80.0-120*
(S) Dibromofluoromethane	*97.6*			*74.0-131*
(S) 4-Bromofluorobenzene	*87.4*			*64.0-132*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3299014-1 04/02/18 09:30 • (LCSD) R3299014-2 04/02/18 09:50

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.125	0.0552	0.0470	44.1	37.6	11.0-160		J4	16.0	23
Acrylonitrile	0.125	0.103	0.102	82.0	81.3	61.0-143			0.814	20
Benzene	0.0250	0.0226	0.0225	90.2	89.8	71.0-124			0.413	20
Bromobenzene	0.0250	0.0207	0.0210	82.8	84.0	78.0-120			1.39	20
Bromodichloromethane	0.0250	0.0196	0.0200	78.5	79.9	75.0-120			1.77	20
Bromochloromethane	0.0250	0.0255	0.0245	102	98.1	80.0-121			4.03	20
Bromoform	0.0250	0.0174	0.0176	69.7	70.4	65.0-133	J4	J4	0.903	20
Bromomethane	0.0250	0.0255	0.0251	102	100	26.0-160			1.58	20
n-Butylbenzene	0.0250	0.0235	0.0233	93.9	93.3	73.0-126			0.609	20
sec-Butylbenzene	0.0250	0.0244	0.0243	97.4	97.2	75.0-121			0.279	20
tert-Butylbenzene	0.0250	0.0240	0.0238	95.8	95.4	74.0-122			0.447	20
Carbon disulfide	0.0250	0.0184	0.0183	73.6	73.1	53.0-130			0.641	20
Carbon tetrachloride	0.0250	0.0222	0.0220	88.8	88.0	66.0-123			0.913	20
Chlorobenzene	0.0250	0.0271	0.0267	109	107	79.0-121			1.72	20
Chlorodibromomethane	0.0250	0.0225	0.0219	90.1	87.8	74.0-128			2.67	20
Chloroethane	0.0250	0.0230	0.0232	91.9	92.7	51.0-147			0.824	20
Chloroform	0.0250	0.0217	0.0216	86.9	86.3	73.0-123			0.679	20
Chloromethane	0.0250	0.0187	0.0182	74.8	72.8	51.0-138			2.65	20
2-Chlorotoluene	0.0250	0.0226	0.0226	90.5	90.2	72.0-124			0.310	20
4-Chlorotoluene	0.0250	0.0227	0.0228	90.8	91.4	78.0-120			0.603	20
1,2-Dibromo-3-Chloropropane	0.0250	0.0202	0.0212	80.9	84.9	65.0-126			4.85	20
1,2-Dibromoethane	0.0250	0.0255	0.0256	102	102	78.0-122			0.560	20
Dibromomethane	0.0250	0.0217	0.0217	86.8	86.8	79.0-120			0.0421	20
1,2-Dichlorobenzene	0.0250	0.0245	0.0246	98.0	98.2	80.0-120			0.289	20
1,3-Dichlorobenzene	0.0250	0.0253	0.0252	101	101	72.0-123			0.493	20
1,4-Dichlorobenzene	0.0250	0.0244	0.0243	97.8	97.1	77.0-120			0.672	20
trans-1,4-Dichloro-2-butene	0.0250	0.0183	0.0185	73.2	74.1	68.0-126			1.19	20
Dichlorodifluoromethane	0.0250	0.0199	0.0196	79.6	78.3	49.0-155			1.73	20
1,1-Dichloroethane	0.0250	0.0228	0.0225	91.4	90.1	70.0-128			1.40	20
1,2-Dichloroethane	0.0250	0.0218	0.0218	87.2	87.0	69.0-128			0.222	20
1,1-Dichloroethene	0.0250	0.0215	0.0214	86.1	85.8	63.0-131			0.434	20
cis-1,2-Dichloroethene	0.0250	0.0228	0.0227	91.3	90.8	74.0-123			0.555	20
trans-1,2-Dichloroethene	0.0250	0.0217	0.0217	86.8	86.8	72.0-122			0.00673	20
1,2-Dichloropropane	0.0250	0.0219	0.0227	87.5	91.0	75.0-126			3.88	20
1,1-Dichloropropene	0.0250	0.0238	0.0237	95.3	94.8	72.0-130			0.603	20
1,3-Dichloropropane	0.0250	0.0251	0.0250	100	100	80.0-121			0.219	20
cis-1,3-Dichloropropene	0.0250	0.0252	0.0245	101	98.2	80.0-125			2.52	20
trans-1,3-Dichloropropene	0.0250	0.0244	0.0239	97.6	95.5	75.0-129			2.15	20
2,2-Dichloropropane	0.0250	0.0208	0.0209	83.2	83.5	60.0-129			0.400	20
Di-isopropyl ether	0.0250	0.0184	0.0183	73.5	73.1	62.0-133			0.602	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3299014-1 04/02/18 09:30 • (LCSD) R3299014-2 04/02/18 09:50

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Ethylbenzene	0.0250	0.0250	0.0246	100	98.5	77.0-120			1.54	20
Hexachloro-1,3-butadiene	0.0250	0.0258	0.0259	103	104	68.0-128			0.312	20
2-Hexanone	0.125	0.110	0.113	88.0	90.2	61.0-143			2.40	20
n-Hexane	0.0250	0.0185	0.0182	74.1	72.9	57.0-125			1.68	20
Iodomethane	0.125	0.126	0.124	101	99.3	67.0-132			1.79	20
Isopropylbenzene	0.0250	0.0215	0.0215	85.9	86.1	75.0-120			0.197	20
p-Isopropyltoluene	0.0250	0.0248	0.0248	99.4	99.3	74.0-125			0.0906	20
2-Butanone (MEK)	0.125	0.0690	0.0656	55.2	52.5	37.0-159			5.09	20
Methylene Chloride	0.0250	0.0222	0.0221	89.0	88.3	67.0-123			0.765	20
4-Methyl-2-pentanone (MIBK)	0.125	0.0998	0.0998	79.9	79.8	60.0-144			0.0530	20
Methyl tert-butyl ether	0.0250	0.0215	0.0218	86.0	87.3	66.0-125			1.41	20
Naphthalene	0.0250	0.0239	0.0247	95.5	98.9	64.0-125			3.43	20
n-Propylbenzene	0.0250	0.0229	0.0227	91.4	90.7	78.0-120			0.792	20
Styrene	0.0250	0.0207	0.0214	82.6	85.4	78.0-124			3.33	20
1,1,1,2-Tetrachloroethane	0.0250	0.0242	0.0238	97.0	95.2	74.0-124			1.85	20
1,1,2,2-Tetrachloroethane	0.0250	0.0200	0.0206	80.0	82.2	73.0-120			2.81	20
Tetrachloroethene	0.0250	0.0273	0.0269	109	108	70.0-127			1.34	20
Toluene	0.0250	0.0246	0.0242	98.3	96.6	77.0-120			1.70	20
1,1,2-Trichlorotrifluoroethane	0.0250	0.0226	0.0225	90.4	90.1	64.0-135			0.367	20
1,2,3-Trichlorobenzene	0.0250	0.0277	0.0276	111	110	68.0-126			0.179	20
1,2,4-Trichlorobenzene	0.0250	0.0282	0.0281	113	112	70.0-127			0.167	20
1,1,1-Trichloroethane	0.0250	0.0209	0.0210	83.5	84.0	69.0-125			0.640	20
1,1,2-Trichloroethane	0.0250	0.0245	0.0246	97.9	98.6	78.0-120			0.693	20
Trichloroethene	0.0250	0.0261	0.0263	105	105	79.0-120			0.482	20
Trichlorofluoromethane	0.0250	0.0261	0.0252	104	101	59.0-136			3.43	20
1,2,3-Trichloropropane	0.0250	0.0202	0.0210	80.6	84.0	73.0-124			4.10	20
1,2,3-Trimethylbenzene	0.0250	0.0250	0.0251	100	100	76.0-120			0.353	20
1,2,4-Trimethylbenzene	0.0250	0.0229	0.0229	91.7	91.7	75.0-120			0.0174	20
1,3,5-Trimethylbenzene	0.0250	0.0231	0.0230	92.6	92.0	75.0-120			0.629	20
Vinyl acetate	0.125	0.0931	0.0937	74.5	75.0	58.0-156			0.628	20
Vinyl chloride	0.0250	0.0225	0.0224	90.1	89.8	63.0-134			0.371	20
Xylenes, Total	0.0750	0.0770	0.0750	103	100	77.0-120			2.63	20
(S) Toluene-d8				*110*	*107*	*80.0-120*				
(S) Dibromofluoromethane				*98.5*	*96.5*	*74.0-131*				
(S) 4-Bromofluorobenzene				*89.5*	*90.0*	*64.0-132*				

Method Blank (MB)

(MB) R3299205-4 04/04/18 15:53

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Acetone	U		1.05	25.0
Acrylonitrile	U		0.873	5.00
Benzene	U		0.0896	0.500
Bromobenzene	U		0.133	0.500
Bromodichloromethane	U		0.0800	0.500
Bromochloromethane	U		0.145	0.500
Bromoform	U		0.186	0.500
Bromomethane	U		0.157	2.50
n-Butylbenzene	U		0.143	0.500
sec-Butylbenzene	U		0.134	0.500
tert-Butylbenzene	U		0.183	0.500
Carbon disulfide	U		0.101	0.500
Carbon tetrachloride	U		0.159	0.500
Chlorobenzene	U		0.140	0.500
Chlorodibromomethane	U		0.128	0.500
Chloroethane	U		0.141	2.50
Chloroform	U		0.0860	0.500
Chloromethane	U		0.153	1.25
2-Chlorotoluene	U		0.111	0.500
4-Chlorotoluene	U		0.0972	0.500
1,2-Dibromo-3-Chloropropane	U		0.325	2.50
1,2-Dibromoethane	U		0.193	0.500
1,2-Dichlorobenzene	U		0.101	0.500
Dibromomethane	U		0.117	0.500
1,3-Dichlorobenzene	U		0.130	0.500
1,4-Dichlorobenzene	U		0.121	0.500
Dichlorodifluoromethane	U		0.127	2.50
1,1-Dichloroethane	U		0.114	0.500
1,2-Dichloroethane	U		0.108	0.500
1,1-Dichloroethene	U		0.188	0.500
cis-1,2-Dichloroethene	U		0.0933	0.500
trans-1,2-Dichloroethene	U		0.152	0.500
1,2-Dichloropropane	U		0.190	0.500
trans-1,4-Dichloro-2-butene	U		0.257	5.00
1,1-Dichloropropene	U		0.128	0.500
1,3-Dichloropropane	U		0.147	1.00
cis-1,3-Dichloropropene	U		0.0976	0.500
trans-1,3-Dichloropropene	U		0.222	0.500
2,2-Dichloropropane	U		0.0929	0.500
2-Hexanone	U		0.757	5.00

Method Blank (MB)

(MB) R3299205-4 04/04/18 15:53

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Di-isopropyl ether	U		0.0924	0.500
Iodomethane	U		0.377	10.0
Ethylbenzene	U		0.158	0.500
Hexachloro-1,3-butadiene	U		0.157	1.00
n-Hexane	U		0.305	5.00
Isopropylbenzene	U		0.126	0.500
p-Isopropyltoluene	U		0.138	0.500
2-Butanone (MEK)	U		1.28	5.00
Methylene Chloride	U		1.07	2.50
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00
Methyl tert-butyl ether	U		0.102	0.500
Naphthalene	U		0.174	2.50
1,1,2,2-Tetrachloroethane	U		0.130	0.500
n-Propylbenzene	U		0.162	0.500
Tetrachloroethene	U		0.199	0.500
Vinyl acetate	U		0.645	5.00
Styrene	U		0.117	0.500
1,1,1,2-Tetrachloroethane	U		0.120	0.500
1,1,1-Trichloroethane	U		0.0940	0.500
1,1,2-Trichloroethane	U		0.186	0.500
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500
1,2,3-Trichlorobenzene	U		0.164	0.500
Toluene	U		0.412	0.500
Trichloroethene	U		0.153	0.500
1,2,4-Trichlorobenzene	U		0.355	0.500
Trichlorofluoromethane	U		0.130	2.50
1,2,3-Trichloropropane	U		0.247	2.50
1,2,3-Trimethylbenzene	U		0.0739	0.500
1,2,4-Trimethylbenzene	U		0.123	0.500
Vinyl chloride	U		0.118	0.500
1,3,5-Trimethylbenzene	U		0.124	0.500
Xylenes, Total	U		0.316	1.50
(S) Toluene-d8	*97.1*			*80.0-120*
(S) Dibromofluoromethane	*96.9*			*76.0-123*
(S) 4-Bromofluorobenzene	*104*			*80.0-120*

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3299205-1 04/04/18 14:04 • (LCSD) R3299205-2 04/04/18 14:55

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Bromochloromethane	25.0	24.7	23.9	98.7	95.5	76.0-122			3.27	20
Acrylonitrile	125	116	110	92.6	88.4	60.0-142			4.65	20
Bromodichloromethane	25.0	25.4	24.6	102	98.3	76.0-120			3.24	20
Bromoform	25.0	25.7	23.6	103	94.4	67.0-132			8.63	20
Acetone	125	100	101	80.1	80.7	10.0-160			0.745	23
Bromomethane	25.0	23.2	24.0	92.8	95.8	18.0-160			3.19	20
trans-1,4-Dichloro-2-butene	25.0	28.3	29.0	113	116	55.0-134			2.49	20
Bromobenzene	25.0	23.8	22.8	95.3	91.3	79.0-120			4.23	20
Carbon tetrachloride	25.0	23.2	23.0	92.6	92.1	63.0-122			0.513	20
2-Hexanone	125	136	125	109	100	58.0-147			8.20	20
Chlorobenzene	25.0	24.4	23.5	97.5	94.1	79.0-121			3.51	20
Chlorodibromomethane	25.0	26.2	25.2	105	101	75.0-125			4.06	20
Chloroethane	25.0	21.0	21.7	83.9	86.8	47.0-152			3.45	20
Iodomethane	125	124	122	98.8	97.7	57.0-140			1.11	20
n-Butylbenzene	25.0	23.2	21.7	92.7	86.8	72.0-126			6.50	20
Chloroform	25.0	23.6	23.2	94.3	92.7	72.0-121			1.69	20
sec-Butylbenzene	25.0	24.9	23.8	99.5	95.2	74.0-121			4.38	20
Chloromethane	25.0	26.3	27.1	105	108	48.0-139			2.83	20
tert-Butylbenzene	25.0	24.9	23.9	99.6	95.6	75.0-122			4.10	20
Carbon disulfide	25.0	25.5	25.6	102	102	55.0-127			0.552	20
Benzene	25.0	22.5	22.5	90.1	90.0	69.0-123			0.110	20
1,2-Dichlorobenzene	25.0	23.7	22.6	94.7	90.4	80.0-120			4.66	20
1,3-Dichlorobenzene	25.0	24.6	23.3	98.4	93.1	72.0-123			5.50	20
1,4-Dichlorobenzene	25.0	23.7	22.8	94.8	91.1	77.0-120			3.98	20
2-Chlorotoluene	25.0	24.2	23.4	96.8	93.5	74.0-122			3.52	20
4-Chlorotoluene	25.0	24.2	23.0	96.9	91.8	79.0-120			5.33	20
Dichlorodifluoromethane	25.0	28.7	28.7	115	115	49.0-155			0.0962	20
1,2-Dibromo-3-Chloropropane	25.0	22.9	20.0	91.6	80.1	64.0-127			13.4	20
1,1-Dichloroethane	25.0	24.4	23.7	97.5	94.9	70.0-126			2.72	20
1,2-Dibromoethane	25.0	26.2	24.3	105	97.3	77.0-123			7.46	20
1,2-Dichloroethane	25.0	25.1	23.6	100	94.4	67.0-126			6.27	20
Dibromomethane	25.0	25.7	24.0	103	95.9	78.0-120			6.95	20
1,1-Dichloroethene	25.0	22.5	22.7	90.1	90.8	64.0-129			0.823	20
trans-1,2-Dichloroethene	25.0	23.1	22.5	92.4	89.9	71.0-121			2.76	20
1,2-Dichloropropane	25.0	24.3	24.0	97.2	96.1	75.0-125			1.09	20
cis-1,3-Dichloropropene	25.0	25.5	23.9	102	95.8	79.0-123			6.42	20
trans-1,3-Dichloropropene	25.0	25.8	24.5	103	98.0	74.0-127			5.19	20
Vinyl acetate	125	119	101	95.2	81.2	46.0-160			15.9	20
cis-1,2-Dichloroethene	25.0	23.0	22.1	92.1	88.2	73.0-120			4.29	20
1,1-Dichloropropene	25.0	23.9	23.3	95.6	93.0	71.0-129			2.70	20

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3299205-1 04/04/18 14:04 • (LCSD) R3299205-2 04/04/18 14:55

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
1,3-Dichloropropane	25.0	25.2	24.0	101	96.0	80.0-121			4.81	20
2,2-Dichloropropane	25.0	24.1	23.9	96.5	95.7	60.0-125			0.850	20
Di-isopropyl ether	25.0	23.8	22.6	95.2	90.6	59.0-133			4.91	20
Methylene Chloride	25.0	22.8	21.9	91.3	87.7	66.0-121			4.13	20
Hexachloro-1,3-butadiene	25.0	24.7	23.1	98.8	92.4	64.0-131			6.75	20
n-Hexane	25.0	23.1	24.3	92.3	97.4	56.0-124			5.36	20
Isopropylbenzene	25.0	25.0	24.0	99.9	96.2	75.0-120			3.76	20
p-Isopropyltoluene	25.0	24.3	23.0	97.2	92.1	74.0-126			5.41	20
2-Butanone (MEK)	125	153	146	123	117	37.0-158			5.10	20
4-Methyl-2-pentanone (MIBK)	125	129	120	103	96.0	59.0-143			6.84	20
1,1,2,2-Tetrachloroethane	25.0	23.2	21.2	92.6	84.7	71.0-122			8.91	20
Methyl tert-butyl ether	25.0	25.0	23.4	99.8	93.5	64.0-123			6.49	20
Ethylbenzene	25.0	24.2	24.5	96.8	98.2	77.0-120			1.38	20
Tetrachloroethene	25.0	24.4	24.4	97.6	97.8	70.0-127			0.217	20
Naphthalene	25.0	22.9	19.6	91.7	78.6	62.0-128			15.5	20
n-Propylbenzene	25.0	23.7	22.7	94.8	90.9	79.0-120			4.26	20
Styrene	25.0	25.9	24.3	104	97.2	78.0-124			6.28	20
1,1,1,2-Tetrachloroethane	25.0	25.0	23.9	100	95.8	75.0-122			4.45	20
1,1,1-Trichloroethane	25.0	23.6	22.7	94.4	90.9	68.0-122			3.79	20
1,1,2-Trichloroethane	25.0	24.1	22.7	96.2	91.0	78.0-120			5.64	20
Trichloroethene	25.0	24.0	24.3	95.9	97.2	78.0-120			1.30	20
Trichlorofluoromethane	25.0	25.8	26.7	103	107	56.0-137			3.66	20
1,1,2-Trichlorotrifluoroethane	25.0	24.3	23.4	97.4	93.6	61.0-136			3.94	20
1,2,3-Trichlorobenzene	25.0	22.5	19.2	89.9	76.7	61.0-133			15.9	20
1,2,4-Trichlorobenzene	25.0	24.0	21.5	95.9	85.8	69.0-129			11.1	20
Vinyl chloride	25.0	26.7	27.3	107	109	64.0-133			2.33	20
1,2,3-Trichloropropane	25.0	24.3	21.7	97.1	86.7	72.0-124			11.3	20
1,2,3-Trimethylbenzene	25.0	24.9	23.3	99.5	93.4	75.0-120			6.38	20
1,2,4-Trimethylbenzene	25.0	24.3	22.6	97.0	90.5	75.0-120			7.00	20
1,3,5-Trimethylbenzene	25.0	24.7	22.7	98.7	90.8	75.0-120			8.32	20
Toluene	25.0	23.8	23.8	95.0	95.1	77.0-120			0.0337	20
Xylenes, Total	75.0	73.9	71.9	98.5	95.9	77.0-120			2.74	20
(S) Toluene-d8				*99.1*	*102*	*80.0-120*				
(S) Dibromofluoromethane				*97.8*	*97.9*	*76.0-123*				
(S) 4-Bromofluorobenzene				*102*	*99.4*	*80.0-120*				

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Abbreviations and Definitions

(dry)	Results are reported based on the dry weight of the sample. [this will only be present on a dry report basis for soils].
MDL	Method Detection Limit.
MDL (dry)	Method Detection Limit.
RDL	Reported Detection Limit.
RDL (dry)	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
E	The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL).
J	The identification of the analyte is acceptable; the reported value is an estimate.
J0	J0: Calibration verification outside of acceptance limits. Result is estimated.
J4	The associated batch QC was outside the established quality control range for accuracy.

ACCREDITATIONS & LOCATIONS

ESC Lab Sciences is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our one location design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be YOUR LAB OF CHOICE.
* Not all certifications held by the laboratory are applicable to the results reported in the attached report.
* Accreditation is only applicable to the test methods specified on each scope of accreditation held by ESC Lab Sciences.

State Accreditations

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN-03-2002-34
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	n/a
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO00356
Kentucky [1,6]	90010	South Carolina	84004
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1,4]	2006
Louisiana [1]	LA180010	Texas	T 104704245-17-14
Maine	TN0002	Texas [5]	LAB0152
Maryland	324	Utah	TN00003
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	460132
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	9980939910
Montana	CERT0086	Wyoming	A2LA

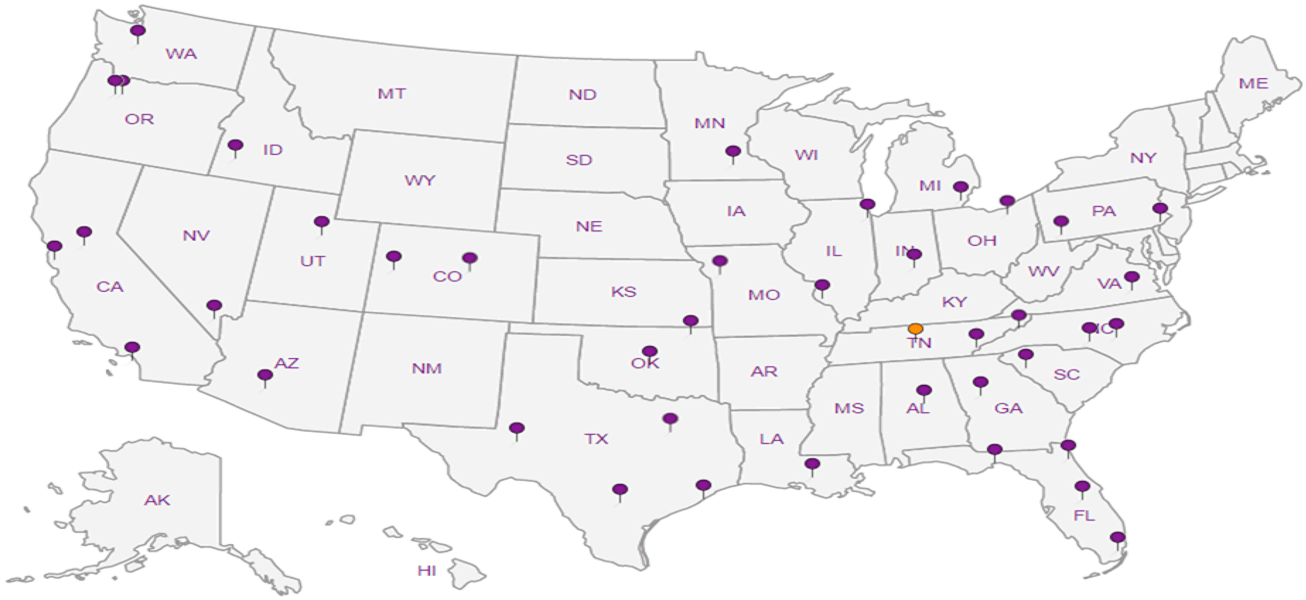
Third Party Federal Accreditations

A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

Our Locations

ESC Lab Sciences has sixty-four client support centers that provide sample pickup and/or the delivery of sampling supplies. If you would like assistance from one of our support offices, please contact our main office. ESC Lab Sciences performs all testing at our central laboratory.



PES Environmental, Inc.- WA

1215 Fourth Ave., Suite 1350
Seattle, WA 98161

Billing Information:
Attn: Accounts Payable
1215 Fourth Ave., Ste. 1350
Seattle, WA 98161

Pres Chk

Analysis / Container / Preservative

Chain of Custody Page ___ of ___

ESC
LAB SCIENCES

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

Report to:
Bill Haldeman / Brian ONeal

Email To: **bhaldeman@pesenv.com**
boneal@pesenv.com

Project Description: **American Linen Project**

City/State Collected: Seattle WA

L# ~~972194~~ 982194

H167

Phone: **206-529-3980**
Fax: **206-529-3985**

Client Project #
1413.001.~~02.002~~ 05.304

Lab Project #
PESENVSWA-ALP

Acctnum: **PESENVSWA**
Template:**T130006**
Prelogin: **P638152**
TSR: **110 - Brian Ford**
PB:

Collected by (print):
Dan Johnson

Site/Facility ID #

P.O. #

Collected by (signature):

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Immediately Packed on Ice N___ Y X

Shipped Via:

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260C VOCs 40ml/NaHSO4/Syr/MeOH	dry wt/voc screen 2ozClr-NoPres	Remarks	Sample # (lab only)
B-243-55	Grab	SS	55	3-29-18	1449	5	X	X		-01
B-243-60		SS	60		1457					-02
B-243-65		SS	65		1507					-03
B-243-70		SS	70		1511					-04
B-243-75		SS	75		1521					-05
B-243-80		SS	80		1530					-06
IW-908-50	X	SS	50	X	1316	X	X	X		-07
TRIP BLANK	X	~~SS~~	—	12-18-17	—	X	X			-08
		SS								
		SS								

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_______

Remarks:

pH ______ Temp ______
Flow ______ Other ______

Samples returned via:
__ UPS X FedEx __ Courier __ ______

Tracking # 4196 3255 9257

Sample Receipt Checklist
COC Seal Present/Intact: __NP ✓Y __N
COC Signed/Accurate: ✓Y __N
Bottles arrive intact: ✓Y __N
Correct bottles used: ✓Y __N
Sufficient volume sent: __Y __N
If Applicable
VOA Zero Headspace: __Y __N
Preservation Correct/Checked: __Y __N

Relinquished by : (Signature) R.T.	Date: 3/30/18	Time: 1600	Received by: (Signature)
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature) Kathryn Cason

Trip Blank Received: [✓ Yes] No
1 HCL / MeoH
TBR

Temp: 3.3 °C Bottles Received: 30

Date: 3-31-18 Time: 0845

If preservation required by Login: Date/Time

Hold:

Condition: NCF / [✓ OK]

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	92.6		1	04/05/2018 15:03	WG1094165

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U	J4	0.0108	0.0540	1	04/02/2018 15:16	WG1092512
Acrylonitrile	U		0.00193	0.0108	1	04/02/2018 15:16	WG1092512
Benzene	U		0.000292	0.00108	1	04/02/2018 15:16	WG1092512
Bromobenzene	U		0.000307	0.00108	1	04/02/2018 15:16	WG1092512
Bromodichloromethane	U		0.000274	0.00108	1	04/02/2018 15:16	WG1092512
Bromochloromethane	U		0.000421	0.00540	1	04/02/2018 15:16	WG1092512
Bromoform	U	J4	0.000458	0.00108	1	04/02/2018 15:16	WG1092512
Bromomethane	U		0.00145	0.00540	1	04/02/2018 15:16	WG1092512
n-Butylbenzene	U		0.000279	0.00108	1	04/02/2018 15:16	WG1092512
sec-Butylbenzene	U		0.000217	0.00108	1	04/02/2018 15:16	WG1092512
tert-Butylbenzene	U		0.000222	0.00108	1	04/02/2018 15:16	WG1092512
Carbon disulfide	0.00187		0.000239	0.00108	1	04/02/2018 15:16	WG1092512
Carbon tetrachloride	U		0.000354	0.00108	1	04/02/2018 15:16	WG1092512
Chlorobenzene	U		0.000229	0.00108	1	04/02/2018 15:16	WG1092512
Chlorodibromomethane	U		0.000403	0.00108	1	04/02/2018 15:16	WG1092512
Chloroethane	U		0.00102	0.00540	1	04/02/2018 15:16	WG1092512
Chloroform	U		0.000247	0.00540	1	04/02/2018 15:16	WG1092512
Chloromethane	U		0.000405	0.00270	1	04/02/2018 15:16	WG1092512
2-Chlorotoluene	U		0.000325	0.00108	1	04/02/2018 15:16	WG1092512
4-Chlorotoluene	U		0.000259	0.00108	1	04/02/2018 15:16	WG1092512
1,2-Dibromo-3-Chloropropane	U		0.00113	0.00540	1	04/02/2018 15:16	WG1092512
1,2-Dibromoethane	U		0.000370	0.00108	1	04/02/2018 15:16	WG1092512
Dibromomethane	U		0.000412	0.00108	1	04/02/2018 15:16	WG1092512
1,2-Dichlorobenzene	U		0.000329	0.00108	1	04/02/2018 15:16	WG1092512
1,3-Dichlorobenzene	U		0.000258	0.00108	1	04/02/2018 15:16	WG1092512
1,4-Dichlorobenzene	U		0.000244	0.00108	1	04/02/2018 15:16	WG1092512
Dichlorodifluoromethane	U		0.000770	0.00540	1	04/02/2018 15:16	WG1092512
1,1-Dichloroethane	U		0.000215	0.00108	1	04/02/2018 15:16	WG1092512
1,2-Dichloroethane	U		0.000286	0.00108	1	04/02/2018 15:16	WG1092512
1,1-Dichloroethene	0.00916		0.000327	0.00108	1	04/02/2018 15:16	WG1092512
cis-1,2-Dichloroethene	2.33		0.127	0.540	500	04/04/2018 17:44	WG1092512
trans-1,2-Dichloroethene	0.00776		0.000285	0.00108	1	04/02/2018 15:16	WG1092512
1,2-Dichloropropane	U		0.000387	0.00108	1	04/02/2018 15:16	WG1092512
1,1-Dichloropropene	U		0.000342	0.00108	1	04/02/2018 15:16	WG1092512
1,3-Dichloropropane	U		0.000223	0.00108	1	04/02/2018 15:16	WG1092512
cis-1,3-Dichloropropene	U		0.000283	0.00108	1	04/02/2018 15:16	WG1092512
trans-1,3-Dichloropropene	U		0.000288	0.00108	1	04/02/2018 15:16	WG1092512
trans-1,4-Dichloro-2-butene	U		0.000840	0.00270	1	04/02/2018 15:16	WG1092512
2,2-Dichloropropane	U		0.000301	0.00108	1	04/02/2018 15:16	WG1092512
Di-isopropyl ether	U		0.000268	0.00108	1	04/02/2018 15:16	WG1092512
Ethylbenzene	U		0.000321	0.00108	1	04/02/2018 15:16	WG1092512
Hexachloro-1,3-butadiene	U		0.000369	0.00108	1	04/02/2018 15:16	WG1092512
2-Hexanone	U		0.00148	0.0108	1	04/02/2018 15:16	WG1092512
n-Hexane	U		0.000313	0.0108	1	04/02/2018 15:16	WG1092512
Iodomethane	U		0.00273	0.0108	1	04/02/2018 15:16	WG1092512
Isopropylbenzene	U		0.000262	0.00108	1	04/02/2018 15:16	WG1092512
p-Isopropyltoluene	U		0.000220	0.00108	1	04/02/2018 15:16	WG1092512
2-Butanone (MEK)	U		0.00505	0.0108	1	04/02/2018 15:16	WG1092512
Methylene Chloride	U		0.00108	0.00540	1	04/02/2018 15:16	WG1092512
4-Methyl-2-pentanone (MIBK)	U		0.00203	0.0108	1	04/02/2018 15:16	WG1092512

JC 4/25/18

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000229	0.00108	1	04/02/2018 15:16	WG1092512
Naphthalene	U		0.00108	0.00540	1	04/02/2018 15:16	WG1092512
n-Propylbenzene	U		0.000222	0.00108	1	04/02/2018 15:16	WG1092512
Styrene	U		0.000253	0.00108	1	04/02/2018 15:16	WG1092512
1,1,1,2-Tetrachloroethane	U		0.000285	0.00108	1	04/02/2018 15:16	WG1092512
1,1,2,2-Tetrachloroethane	U		0.000394	0.00108	1	04/02/2018 15:16	WG1092512
1,1,2-Trichlorotrifluoroethane	U		0.000394	0.00108	1	04/02/2018 15:16	WG1092512
Tetrachloroethene	14.4		0.149	0.540	500	04/04/2018 17:44	WG1092512
Toluene	U		0.000469	0.00540	1	04/02/2018 15:16	WG1092512
1,2,3-Trichlorobenzene	U		0.000330	0.00108	1	04/02/2018 15:16	WG1092512
1,2,4-Trichlorobenzene	U		0.000419	0.00108	1	04/02/2018 15:16	WG1092512
1,1,1-Trichloroethane	U		0.000309	0.00108	1	04/02/2018 15:16	WG1092512
1,1,2-Trichloroethane	U		0.000299	0.00108	1	04/02/2018 15:16	WG1092512
Trichloroethene	0.0810		0.000301	0.00108	1	04/02/2018 15:16	WG1092512
Trichlorofluoromethane	U		0.000412	0.00540	1	04/02/2018 15:16	WG1092512
1,2,3-Trichloropropane	U		0.000800	0.00270	1	04/02/2018 15:16	WG1092512
1,2,4-Trimethylbenzene	U		0.000228	0.00108	1	04/02/2018 15:16	WG1092512
1,2,3-Trimethylbenzene	U		0.000310	0.00108	1	04/02/2018 15:16	WG1092512
1,3,5-Trimethylbenzene	U		0.000287	0.00108	1	04/02/2018 15:16	WG1092512
Vinyl acetate	U		0.00258	0.0108	1	04/02/2018 15:16	WG1092512
Vinyl chloride	0.307 J	E	0.000314	0.00108	1	04/02/2018 15:16	WG1092512
Xylenes, Total	U		0.000754	0.00324	1	04/02/2018 15:16	WG1092512
(S) Toluene-d8	*109*			*80.0-120*		*04/04/2018 17:44*	WG1092512
(S) Toluene-d8	*103*			*80.0-120*		*04/02/2018 15:16*	WG1092512
(S) Dibromofluoromethane	*105*			*74.0-131*		*04/04/2018 17:44*	WG1092512
(S) Dibromofluoromethane	*102*			*74.0-131*		*04/02/2018 15:16*	WG1092512
(S) 4-Bromofluorobenzene	*103*			*64.0-132*		*04/04/2018 17:44*	WG1092512
(S) 4-Bromofluorobenzene	*92.8*			*64.0-132*		*04/02/2018 15:16*	WG1092512

JC 4/25/18

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	87.5		1	04/05/2018 15:47	WG1094166

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch	
Acetone	U	J4	0.0114	0.0571	1	04/02/2018 15:35	WG1092512	
Acrylonitrile	U		0.00205	0.0114	1	04/02/2018 15:35	WG1092512	
Benzene	U		0.000309	0.00114	1	04/02/2018 15:35	WG1092512	
Bromobenzene	U		0.000325	0.00114	1	04/02/2018 15:35	WG1092512	
Bromodichloromethane	U		0.000290	0.00114	1	04/02/2018 15:35	WG1092512	
Bromochloromethane	U		0.000446	0.00571	1	04/02/2018 15:35	WG1092512	
Bromoform	U	J4	0.000485	0.00114	1	04/02/2018 15:35	WG1092512	
Bromomethane	U		0.00153	0.00571	1	04/02/2018 15:35	WG1092512	
n-Butylbenzene	U		0.000295	0.00114	1	04/02/2018 15:35	WG1092512	
sec-Butylbenzene	U		0.000230	0.00114	1	04/02/2018 15:35	WG1092512	
tert-Butylbenzene	U		0.000235	0.00114	1	04/02/2018 15:35	WG1092512	
Carbon disulfide	0.00152		0.000253	0.00114	1	04/02/2018 15:35	WG1092512	
Carbon tetrachloride	U		0.000375	0.00114	1	04/02/2018 15:35	WG1092512	
Chlorobenzene	U		0.000242	0.00114	1	04/02/2018 15:35	WG1092512	
Chlorodibromomethane	U		0.000426	0.00114	1	04/02/2018 15:35	WG1092512	
Chloroethane	U		0.00108	0.00571	1	04/02/2018 15:35	WG1092512	
Chloroform	U		0.000262	0.00571	1	04/02/2018 15:35	WG1092512	
Chloromethane	U		0.000429	0.00286	1	04/02/2018 15:35	WG1092512	
2-Chlorotoluene	U		0.000344	0.00114	1	04/02/2018 15:35	WG1092512	
4-Chlorotoluene	U		0.000274	0.00114	1	04/02/2018 15:35	WG1092512	
1,2-Dibromo-3-Chloropropane	U		0.00120	0.00571	1	04/02/2018 15:35	WG1092512	
1,2-Dibromoethane	U		0.000392	0.00114	1	04/02/2018 15:35	WG1092512	
Dibromomethane	U		0.000437	0.00114	1	04/02/2018 15:35	WG1092512	
1,2-Dichlorobenzene	U		0.000349	0.00114	1	04/02/2018 15:35	WG1092512	
1,3-Dichlorobenzene	U		0.000273	0.00114	1	04/02/2018 15:35	WG1092512	
1,4-Dichlorobenzene	U		0.000258	0.00114	1	04/02/2018 15:35	WG1092512	
Dichlorodifluoromethane	U		0.000815	0.00571	1	04/02/2018 15:35	WG1092512	
1,1-Dichloroethane	U		0.000227	0.00114	1	04/02/2018 15:35	WG1092512	
1,2-Dichloroethane	U		0.000303	0.00114	1	04/02/2018 15:35	WG1092512	
1,1-Dichloroethene	0.0144		0.000346	0.00114	1	04/02/2018 15:35	WG1092512	
cis-1,2-Dichloroethene	6.30		0.0672	0.286	250	04/04/2018 18:04	WG1092512	
trans-1,2-Dichloroethene	0.00479		0.000302	0.00114	1	04/02/2018 15:35	WG1092512	
1,2-Dichloropropane	U		0.000409	0.00114	1	04/02/2018 15:35	WG1092512	
1,1-Dichloropropene	U		0.000362	0.00114	1	04/02/2018 15:35	WG1092512	
1,3-Dichloropropane	U		0.000237	0.00114	1	04/02/2018 15:35	WG1092512	
cis-1,3-Dichloropropene	U		0.000299	0.00114	1	04/02/2018 15:35	WG1092512	
trans-1,3-Dichloropropene	U		0.000305	0.00114	1	04/02/2018 15:35	WG1092512	
trans-1,4-Dichloro-2-butene	U		0.000889	0.00286	1	04/02/2018 15:35	WG1092512	
2,2-Dichloropropane	U		0.000319	0.00114	1	04/02/2018 15:35	WG1092512	
Di-isopropyl ether	U		0.000283	0.00114	1	04/02/2018 15:35	WG1092512	
Ethylbenzene	U		0.000339	0.00114	1	04/02/2018 15:35	WG1092512	
Hexachloro-1,3-butadiene	U		0.000391	0.00114	1	04/02/2018 15:35	WG1092512	
2-Hexanone	U		0.00157	0.0114	1	04/02/2018 15:35	WG1092512	
n-Hexane	0.000353 J	J	0.000331	0.0114	1	04/02/2018 15:35	WG1092512	
Iodomethane	U		0.00289	0.0114	1	04/02/2018 15:35	WG1092512	
Isopropylbenzene	U		0.000278	0.00114	1	04/02/2018 15:35	WG1092512	
p-Isopropyltoluene	U		0.000233	0.00114	1	04/02/2018 15:35	WG1092512	
2-Butanone (MEK)	U		0.00535	0.0114	1	04/02/2018 15:35	WG1092512	JC 4/25/18
Methylene Chloride	U		0.00114	0.00571	1	04/02/2018 15:35	WG1092512	
4-Methyl-2-pentanone (MIBK)	U		0.00215	0.0114	1	04/02/2018 15:35	WG1092512	

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000242	0.00114	1	04/02/2018 15:35	WG1092512
Naphthalene	U		0.00114	0.00571	1	04/02/2018 15:35	WG1092512
n-Propylbenzene	U		0.000235	0.00114	1	04/02/2018 15:35	WG1092512
Styrene	U		0.000267	0.00114	1	04/02/2018 15:35	WG1092512
1,1,1,2-Tetrachloroethane	U		0.000302	0.00114	1	04/02/2018 15:35	WG1092512
1,1,2,2-Tetrachloroethane	U		0.000417	0.00114	1	04/02/2018 15:35	WG1092512
1,1,2-Trichlorotrifluoroethane	U		0.000417	0.00114	1	04/02/2018 15:35	WG1092512
Tetrachloroethene	10.3		0.0789	0.286	250	04/04/2018 18:04	WG1092512
Toluene	U		0.000496	0.00571	1	04/02/2018 15:35	WG1092512
1,2,3-Trichlorobenzene	U		0.000350	0.00114	1	04/02/2018 15:35	WG1092512
1,2,4-Trichlorobenzene	U		0.000443	0.00114	1	04/02/2018 15:35	WG1092512
1,1,1-Trichloroethane	U		0.000327	0.00114	1	04/02/2018 15:35	WG1092512
1,1,2-Trichloroethane	U		0.000317	0.00114	1	04/02/2018 15:35	WG1092512
Trichloroethene	2.34		0.0798	0.286	250	04/04/2018 18:04	WG1092512
Trichlorofluoromethane	U		0.000437	0.00571	1	04/02/2018 15:35	WG1092512
1,2,3-Trichloropropane	U		0.000847	0.00286	1	04/02/2018 15:35	WG1092512
1,2,4-Trimethylbenzene	U		0.000241	0.00114	1	04/02/2018 15:35	WG1092512
1,2,3-Trimethylbenzene	U		0.000328	0.00114	1	04/02/2018 15:35	WG1092512
1,3,5-Trimethylbenzene	U		0.000304	0.00114	1	04/02/2018 15:35	WG1092512
Vinyl acetate	U		0.00273	0.0114	1	04/02/2018 15:35	WG1092512
Vinyl chloride	0.181 J	E	0.000333	0.00114	1	04/02/2018 15:35	WG1092512
Xylenes, Total	U		0.000798	0.00343	1	04/02/2018 15:35	WG1092512
(S) Toluene-d8	*111*			*80.0-120*		*04/04/2018 18:04*	WG1092512
(S) Toluene-d8	*109*			*80.0-120*		*04/02/2018 15:35*	WG1092512
(S) Dibromofluoromethane	*101*			*74.0-131*		*04/02/2018 15:35*	WG1092512
(S) Dibromofluoromethane	*102*			*74.0-131*		*04/04/2018 18:04*	WG1092512
(S) 4-Bromofluorobenzene	*94.8*			*64.0-132*		*04/02/2018 15:35*	WG1092512
(S) 4-Bromofluorobenzene	*102*			*64.0-132*		*04/04/2018 18:04*	WG1092512

JC 4/25/18

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	91.1		1	04/05/2018 15:47	WG1094166

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg		Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U	UJ	J0 J4	0.0110	0.0549	1	04/02/2018 15:55	WG1092512
Acrylonitrile	U			0.00197	0.0110	1	04/02/2018 15:55	WG1092512
Benzene	U			0.000297	0.00110	1	04/02/2018 15:55	WG1092512
Bromobenzene	U			0.000312	0.00110	1	04/02/2018 15:55	WG1092512
Bromodichloromethane	U	UJ	J0	0.000279	0.00110	1	04/02/2018 15:55	WG1092512
Bromochloromethane	U			0.000428	0.00549	1	04/02/2018 15:55	WG1092512
Bromoform	U	UJ	J0 J4	0.000466	0.00110	1	04/02/2018 15:55	WG1092512
Bromomethane	U			0.00147	0.00549	1	04/02/2018 15:55	WG1092512
n-Butylbenzene	U			0.000283	0.00110	1	04/02/2018 15:55	WG1092512
sec-Butylbenzene	U			0.000221	0.00110	1	04/02/2018 15:55	WG1092512
tert-Butylbenzene	U			0.000226	0.00110	1	04/02/2018 15:55	WG1092512
Carbon disulfide	0.000841	J	J J0	0.000243	0.00110	1	04/02/2018 15:55	WG1092512
Carbon tetrachloride	U			0.000360	0.00110	1	04/02/2018 15:55	WG1092512
Chlorobenzene	U			0.000233	0.00110	1	04/02/2018 15:55	WG1092512
Chlorodibromomethane	U			0.000410	0.00110	1	04/02/2018 15:55	WG1092512
Chloroethane	U			0.00104	0.00549	1	04/02/2018 15:55	WG1092512
Chloroform	U			0.000251	0.00549	1	04/02/2018 15:55	WG1092512
Chloromethane	U			0.000412	0.00275	1	04/02/2018 15:55	WG1092512
2-Chlorotoluene	U			0.000331	0.00110	1	04/02/2018 15:55	WG1092512
4-Chlorotoluene	U			0.000264	0.00110	1	04/02/2018 15:55	WG1092512
1,2-Dibromo-3-Chloropropane	U			0.00115	0.00549	1	04/02/2018 15:55	WG1092512
1,2-Dibromoethane	U			0.000377	0.00110	1	04/02/2018 15:55	WG1092512
Dibromomethane	U			0.000420	0.00110	1	04/02/2018 15:55	WG1092512
1,2-Dichlorobenzene	U			0.000335	0.00110	1	04/02/2018 15:55	WG1092512
1,3-Dichlorobenzene	U			0.000262	0.00110	1	04/02/2018 15:55	WG1092512
1,4-Dichlorobenzene	U			0.000248	0.00110	1	04/02/2018 15:55	WG1092512
Dichlorodifluoromethane	U	UJ	J0	0.000783	0.00549	1	04/02/2018 15:55	WG1092512
1,1-Dichloroethane	U			0.000219	0.00110	1	04/02/2018 15:55	WG1092512
1,2-Dichloroethane	U			0.000291	0.00110	1	04/02/2018 15:55	WG1092512
1,1-Dichloroethene	0.00727			0.000333	0.00110	1	04/02/2018 15:55	WG1092512
cis-1,2-Dichloroethene	0.530			0.0130	0.0549	50	04/04/2018 18:24	WG1092512
trans-1,2-Dichloroethene	0.000888	J	J	0.000290	0.00110	1	04/02/2018 15:55	WG1092512
1,2-Dichloropropane	U			0.000393	0.00110	1	04/02/2018 15:55	WG1092512
1,1-Dichloropropene	U			0.000348	0.00110	1	04/02/2018 15:55	WG1092512
1,3-Dichloropropane	U			0.000227	0.00110	1	04/02/2018 15:55	WG1092512
cis-1,3-Dichloropropene	U			0.000288	0.00110	1	04/02/2018 15:55	WG1092512
trans-1,3-Dichloropropene	U			0.000293	0.00110	1	04/02/2018 15:55	WG1092512
trans-1,4-Dichloro-2-butene	U			0.000854	0.00275	1	04/02/2018 15:55	WG1092512
2,2-Dichloropropane	U			0.000306	0.00110	1	04/02/2018 15:55	WG1092512
Di-isopropyl ether	U			0.000272	0.00110	1	04/02/2018 15:55	WG1092512
Ethylbenzene	U			0.000326	0.00110	1	04/02/2018 15:55	WG1092512
Hexachloro-1,3-butadiene	U			0.000376	0.00110	1	04/02/2018 15:55	WG1092512
2-Hexanone	U			0.00150	0.0110	1	04/02/2018 15:55	WG1092512
n-Hexane	0.000804	J	J	0.000318	0.0110	1	04/02/2018 15:55	WG1092512
Iodomethane	U			0.00278	0.0110	1	04/02/2018 15:55	WG1092512
Isopropylbenzene	U			0.000267	0.00110	1	04/02/2018 15:55	WG1092512
p-Isopropyltoluene	U			0.000224	0.00110	1	04/02/2018 15:55	WG1092512
2-Butanone (MEK)	U	UJ	J0	0.00514	0.0110	1	04/02/2018 15:55	WG1092512
Methylene Chloride	U			0.00110	0.00549	1	04/02/2018 15:55	WG1092512
4-Methyl-2-pentanone (MIBK)	U			0.00206	0.0110	1	04/02/2018 15:55	WG1092512

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B-243-65

Collected date/time: 03/29/18 15:07

SAMPLE RESULTS - 03

L982194

Volatile Organic Compounds (GC/MS) by Method 8260C

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000233	0.00110	1	04/02/2018 15:55	WG1092512
Naphthalene	U		0.00110	0.00549	1	04/02/2018 15:55	WG1092512
n-Propylbenzene	U		0.000226	0.00110	1	04/02/2018 15:55	WG1092512
Styrene	U		0.000257	0.00110	1	04/02/2018 15:55	WG1092512
1,1,1,2-Tetrachloroethane	U		0.000290	0.00110	1	04/02/2018 15:55	WG1092512
1,1,2,2-Tetrachloroethane	U		0.000401	0.00110	1	04/02/2018 15:55	WG1092512
1,1,2-Trichlorotrifluoroethane	U		0.000401	0.00110	1	04/02/2018 15:55	WG1092512
Tetrachloroethene	1.49		0.0152	0.0549	50	04/04/2018 18:24	WG1092512
Toluene	U		0.000477	0.00549	1	04/02/2018 15:55	WG1092512
1,2,3-Trichlorobenzene	U		0.000336	0.00110	1	04/02/2018 15:55	WG1092512
1,2,4-Trichlorobenzene	U		0.000426	0.00110	1	04/02/2018 15:55	WG1092512
1,1,1-Trichloroethane	U		0.000314	0.00110	1	04/02/2018 15:55	WG1092512
1,1,2-Trichloroethane	U		0.000304	0.00110	1	04/02/2018 15:55	WG1092512
Trichloroethene	0.205		0.0154	0.0549	50	04/04/2018 18:24	WG1092512
Trichlorofluoromethane	U		0.000420	0.00549	1	04/02/2018 15:55	WG1092512
1,2,3-Trichloropropane	U		0.000814	0.00275	1	04/02/2018 15:55	WG1092512
1,2,4-Trimethylbenzene	U		0.000232	0.00110	1	04/02/2018 15:55	WG1092512
1,2,3-Trimethylbenzene	U		0.000315	0.00110	1	04/02/2018 15:55	WG1092512
1,3,5-Trimethylbenzene	U		0.000292	0.00110	1	04/02/2018 15:55	WG1092512
Vinyl acetate	U		0.00262	0.0110	1	04/02/2018 15:55	WG1092512
Vinyl chloride	0.0607 UJ	J0	0.000320	0.00110	1	04/02/2018 15:55	WG1092512
Xylenes, Total	U		0.000767	0.00329	1	04/02/2018 15:55	WG1092512
(S) Toluene-d8	*108*			*80.0-120*		*04/04/2018 18:24*	WG1092512
(S) Toluene-d8	*104*			*80.0-120*		*04/02/2018 15:55*	WG1092512
(S) Dibromofluoromethane	*100*			*74.0-131*		*04/02/2018 15:55*	WG1092512
(S) Dibromofluoromethane	*104*			*74.0-131*		*04/04/2018 18:24*	WG1092512
(S) 4-Bromofluorobenzene	*93.2*			*64.0-132*		*04/02/2018 15:55*	WG1092512
(S) 4-Bromofluorobenzene	*101*			*64.0-132*		*04/04/2018 18:24*	WG1092512

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Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	86.2		1	04/05/2018 15:47	WG1094166

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg		Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U	UJ	J0 J4	0.0116	0.0580	1	04/02/2018 16:14	WG1092512
Acrylonitrile	U			0.00208	0.0116	1	04/02/2018 16:14	WG1092512
Benzene	U			0.000313	0.00116	1	04/02/2018 16:14	WG1092512
Bromobenzene	U			0.000329	0.00116	1	04/02/2018 16:14	WG1092512
Bromodichloromethane	U	UJ	J0	0.000294	0.00116	1	04/02/2018 16:14	WG1092512
Bromochloromethane	U			0.000452	0.00580	1	04/02/2018 16:14	WG1092512
Bromoform	U	UJ	J0 J4	0.000492	0.00116	1	04/02/2018 16:14	WG1092512
Bromomethane	U			0.00155	0.00580	1	04/02/2018 16:14	WG1092512
n-Butylbenzene	U			0.000299	0.00116	1	04/02/2018 16:14	WG1092512
sec-Butylbenzene	U			0.000233	0.00116	1	04/02/2018 16:14	WG1092512
tert-Butylbenzene	U			0.000239	0.00116	1	04/02/2018 16:14	WG1092512
Carbon disulfide	0.000289	J	J J0	0.000256	0.00116	1	04/02/2018 16:14	WG1092512
Carbon tetrachloride	U			0.000380	0.00116	1	04/02/2018 16:14	WG1092512
Chlorobenzene	U			0.000246	0.00116	1	04/02/2018 16:14	WG1092512
Chlorodibromomethane	U			0.000432	0.00116	1	04/02/2018 16:14	WG1092512
Chloroethane	U			0.00110	0.00580	1	04/02/2018 16:14	WG1092512
Chloroform	U			0.000266	0.00580	1	04/02/2018 16:14	WG1092512
Chloromethane	U			0.000435	0.00290	1	04/02/2018 16:14	WG1092512
2-Chlorotoluene	U			0.000349	0.00116	1	04/02/2018 16:14	WG1092512
4-Chlorotoluene	U			0.000278	0.00116	1	04/02/2018 16:14	WG1092512
1,2-Dibromo-3-Chloropropane	U			0.00122	0.00580	1	04/02/2018 16:14	WG1092512
1,2-Dibromoethane	U			0.000398	0.00116	1	04/02/2018 16:14	WG1092512
Dibromomethane	U			0.000443	0.00116	1	04/02/2018 16:14	WG1092512
1,2-Dichlorobenzene	U			0.000354	0.00116	1	04/02/2018 16:14	WG1092512
1,3-Dichlorobenzene	U			0.000277	0.00116	1	04/02/2018 16:14	WG1092512
1,4-Dichlorobenzene	U			0.000262	0.00116	1	04/02/2018 16:14	WG1092512
Dichlorodifluoromethane	U	UJ	J0	0.000827	0.00580	1	04/02/2018 16:14	WG1092512
1,1-Dichloroethane	U			0.000231	0.00116	1	04/02/2018 16:14	WG1092512
1,2-Dichloroethane	U			0.000307	0.00116	1	04/02/2018 16:14	WG1092512
1,1-Dichloroethene	U			0.000351	0.00116	1	04/02/2018 16:14	WG1092512
cis-1,2-Dichloroethene	0.000882	U	J	0.000272	0.00116	1	04/04/2018 14:44	WG1092512
trans-1,2-Dichloroethene	U			0.000306	0.00116	1	04/02/2018 16:14	WG1092512
1,2-Dichloropropane	U			0.000415	0.00116	1	04/02/2018 16:14	WG1092512
1,1-Dichloropropene	U			0.000368	0.00116	1	04/02/2018 16:14	WG1092512
1,3-Dichloropropane	U			0.000240	0.00116	1	04/02/2018 16:14	WG1092512
cis-1,3-Dichloropropene	U			0.000304	0.00116	1	04/02/2018 16:14	WG1092512
trans-1,3-Dichloropropene	U			0.000310	0.00116	1	04/02/2018 16:14	WG1092512
trans-1,4-Dichloro-2-butene	U			0.000902	0.00290	1	04/02/2018 16:14	WG1092512
2,2-Dichloropropane	U			0.000323	0.00116	1	04/02/2018 16:14	WG1092512
Di-isopropyl ether	U			0.000288	0.00116	1	04/02/2018 16:14	WG1092512
Ethylbenzene	U			0.000344	0.00116	1	04/02/2018 16:14	WG1092512
Hexachloro-1,3-butadiene	U			0.000397	0.00116	1	04/02/2018 16:14	WG1092512
2-Hexanone	U			0.00159	0.0116	1	04/02/2018 16:14	WG1092512
n-Hexane	U			0.000336	0.0116	1	04/02/2018 16:14	WG1092512
Iodomethane	U			0.00293	0.0116	1	04/02/2018 16:14	WG1092512
Isopropylbenzene	U			0.000282	0.00116	1	04/02/2018 16:14	WG1092512
p-Isopropyltoluene	U			0.000237	0.00116	1	04/02/2018 16:14	WG1092512
2-Butanone (MEK)	U	UJ	J0	0.00543	0.0116	1	04/02/2018 16:14	WG1092512
Methylene Chloride	U			0.00116	0.00580	1	04/02/2018 16:14	WG1092512
4-Methyl-2-pentanone (MIBK)	U			0.00218	0.0116	1	04/02/2018 16:14	WG1092512

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000246	0.00116	1	04/02/2018 16:14	WG1092512
Naphthalene	U		0.00116	0.00580	1	04/02/2018 16:14	WG1092512
n-Propylbenzene	U		0.000239	0.00116	1	04/02/2018 16:14	WG1092512
Styrene	U		0.000271	0.00116	1	04/02/2018 16:14	WG1092512
1,1,1,2-Tetrachloroethane	U		0.000306	0.00116	1	04/02/2018 16:14	WG1092512
1,1,2,2-Tetrachloroethane	U		0.000423	0.00116	1	04/02/2018 16:14	WG1092512
1,1,2-Trichlorotrifluoroethane	U		0.000423	0.00116	1	04/02/2018 16:14	WG1092512
Tetrachloroethene	0.00378		0.000320	0.00116	1	04/04/2018 14:44	WG1092512
Toluene	U		0.000503	0.00580	1	04/02/2018 16:14	WG1092512
1,2,3-Trichlorobenzene	U		0.000355	0.00116	1	04/02/2018 16:14	WG1092512
1,2,4-Trichlorobenzene	U		0.000450	0.00116	1	04/02/2018 16:14	WG1092512
1,1,1-Trichloroethane	U		0.000332	0.00116	1	04/02/2018 16:14	WG1092512
1,1,2-Trichloroethane	U		0.000321	0.00116	1	04/02/2018 16:14	WG1092512
Trichloroethene	U		0.000323	0.00116	1	04/04/2018 14:44	WG1092512
Trichlorofluoromethane	U		0.000443	0.00580	1	04/02/2018 16:14	WG1092512
1,2,3-Trichloropropane	U		0.000859	0.00290	1	04/02/2018 16:14	WG1092512
1,2,4-Trimethylbenzene	U		0.000245	0.00116	1	04/02/2018 16:14	WG1092512
1,2,3-Trimethylbenzene	U		0.000333	0.00116	1	04/02/2018 16:14	WG1092512
1,3,5-Trimethylbenzene	U		0.000308	0.00116	1	04/02/2018 16:14	WG1092512
Vinyl acetate	U		0.00277	0.0116	1	04/02/2018 16:14	WG1092512
Vinyl chloride	0.00207		0.000337	0.00116	1	04/04/2018 14:44	WG1092512
Xylenes, Total	U		0.000809	0.00348	1	04/02/2018 16:14	WG1092512
(S) Toluene-d8	*102*			*80.0-120*		*04/04/2018 14:44*	WG1092512
(S) Toluene-d8	*106*			*80.0-120*		*04/02/2018 16:14*	WG1092512
(S) Dibromofluoromethane	*101*			*74.0-131*		*04/02/2018 16:14*	WG1092512
(S) Dibromofluoromethane	*114*			*74.0-131*		*04/04/2018 14:44*	WG1092512
(S) 4-Bromofluorobenzene	*91.4*			*64.0-132*		*04/02/2018 16:14*	WG1092512
(S) 4-Bromofluorobenzene	*106*			*64.0-132*		*04/04/2018 14:44*	WG1092512

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

JC 4/25/18

B-243-75
Collected date/time: 03/29/18 15:21

SAMPLE RESULTS - 05

L982194

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	83.9		1	04/05/2018 15:47	WG1094166

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U	UJ J0 J4	0.0119	0.0596	1	04/02/2018 16:34	WG1092512
Acrylonitrile	U		0.00213	0.0119	1	04/02/2018 16:34	WG1092512
Benzene	U		0.000322	0.00119	1	04/02/2018 16:34	WG1092512
Bromobenzene	U		0.000338	0.00119	1	04/02/2018 16:34	WG1092512
Bromodichloromethane	U	UJ J0	0.000303	0.00119	1	04/02/2018 16:34	WG1092512
Bromochloromethane	U		0.000465	0.00596	1	04/02/2018 16:34	WG1092512
Bromoform	U	UJ J0 J4	0.000505	0.00119	1	04/02/2018 16:34	WG1092512
Bromomethane	U		0.00160	0.00596	1	04/02/2018 16:34	WG1092512
n-Butylbenzene	U		0.000307	0.00119	1	04/02/2018 16:34	WG1092512
sec-Butylbenzene	U		0.000239	0.00119	1	04/02/2018 16:34	WG1092512
tert-Butylbenzene	U		0.000245	0.00119	1	04/02/2018 16:34	WG1092512
Carbon disulfide	U	UJ J0	0.000263	0.00119	1	04/02/2018 16:34	WG1092512
Carbon tetrachloride	U		0.000391	0.00119	1	04/02/2018 16:34	WG1092512
Chlorobenzene	U		0.000253	0.00119	1	04/02/2018 16:34	WG1092512
Chlorodibromomethane	U		0.000444	0.00119	1	04/02/2018 16:34	WG1092512
Chloroethane	U		0.00113	0.00596	1	04/02/2018 16:34	WG1092512
Chloroform	U		0.000273	0.00596	1	04/02/2018 16:34	WG1092512
Chloromethane	U		0.000447	0.00298	1	04/02/2018 16:34	WG1092512
2-Chlorotoluene	U		0.000359	0.00119	1	04/02/2018 16:34	WG1092512
4-Chlorotoluene	U		0.000286	0.00119	1	04/02/2018 16:34	WG1092512
1,2-Dibromo-3-Chloropropane	U		0.00125	0.00596	1	04/02/2018 16:34	WG1092512
1,2-Dibromoethane	U		0.000409	0.00119	1	04/02/2018 16:34	WG1092512
Dibromomethane	U		0.000455	0.00119	1	04/02/2018 16:34	WG1092512
1,2-Dichlorobenzene	U		0.000363	0.00119	1	04/02/2018 16:34	WG1092512
1,3-Dichlorobenzene	U		0.000285	0.00119	1	04/02/2018 16:34	WG1092512
1,4-Dichlorobenzene	U		0.000269	0.00119	1	04/02/2018 16:34	WG1092512
Dichlorodifluoromethane	U	UJ J0	0.000849	0.00596	1	04/02/2018 16:34	WG1092512
1,1-Dichloroethane	U		0.000237	0.00119	1	04/02/2018 16:34	WG1092512
1,2-Dichloroethane	U		0.000316	0.00119	1	04/02/2018 16:34	WG1092512
1,1-Dichloroethene	U		0.000361	0.00119	1	04/02/2018 16:34	WG1092512
cis-1,2-Dichloroethene	0.00440		0.000280	0.00119	1	04/04/2018 15:04	WG1092512
trans-1,2-Dichloroethene	U		0.000315	0.00119	1	04/02/2018 16:34	WG1092512
1,2-Dichloropropane	U		0.000427	0.00119	1	04/02/2018 16:34	WG1092512
1,1-Dichloropropene	U		0.000378	0.00119	1	04/02/2018 16:34	WG1092512
1,3-Dichloropropane	U		0.000247	0.00119	1	04/02/2018 16:34	WG1092512
cis-1,3-Dichloropropene	U		0.000312	0.00119	1	04/02/2018 16:34	WG1092512
trans-1,3-Dichloropropene	U		0.000318	0.00119	1	04/02/2018 16:34	WG1092512
trans-1,4-Dichloro-2-butene	U		0.000927	0.00298	1	04/02/2018 16:34	WG1092512
2,2-Dichloropropane	U		0.000332	0.00119	1	04/02/2018 16:34	WG1092512
Di-isopropyl ether	U		0.000295	0.00119	1	04/02/2018 16:34	WG1092512
Ethylbenzene	U		0.000354	0.00119	1	04/02/2018 16:34	WG1092512
Hexachloro-1,3-butadiene	U		0.000407	0.00119	1	04/02/2018 16:34	WG1092512
2-Hexanone	U		0.00163	0.0119	1	04/02/2018 16:34	WG1092512
n-Hexane	U		0.000346	0.0119	1	04/02/2018 16:34	WG1092512
Iodomethane	U		0.00301	0.0119	1	04/02/2018 16:34	WG1092512
Isopropylbenzene	U		0.000290	0.00119	1	04/02/2018 16:34	WG1092512
p-Isopropyltoluene	U		0.000243	0.00119	1	04/02/2018 16:34	WG1092512
2-Butanone (MEK)	U	UJ J0	0.00558	0.0119	1	04/02/2018 16:34	WG1092512
Methylene Chloride	U		0.00119	0.00596	1	04/02/2018 16:34	WG1092512
4-Methyl-2-pentanone (MIBK)	U		0.00224	0.0119	1	04/02/2018 16:34	WG1092512

JC 4/25/18

Volatile Organic Compounds (GC/MS) by Method 8260C

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg		date / time	
Methyl tert-butyl ether	U		0.000253	0.00119	1	04/02/2018 16:34	WG1092512
Naphthalene	U		0.00119	0.00596	1	04/02/2018 16:34	WG1092512
n-Propylbenzene	U		0.000245	0.00119	1	04/02/2018 16:34	WG1092512
Styrene	U		0.000279	0.00119	1	04/02/2018 16:34	WG1092512
1,1,1,2-Tetrachloroethane	U		0.000315	0.00119	1	04/02/2018 16:34	WG1092512
1,1,2,2-Tetrachloroethane	U		0.000435	0.00119	1	04/02/2018 16:34	WG1092512
1,1,2-Trichlorotrifluoroethane	U		0.000435	0.00119	1	04/02/2018 16:34	WG1092512
Tetrachloroethene	0.0290		0.000329	0.00119	1	04/04/2018 15:04	WG1092512
Toluene	U		0.000517	0.00596	1	04/02/2018 16:34	WG1092512
1,2,3-Trichlorobenzene	U		0.000365	0.00119	1	04/02/2018 16:34	WG1092512
1,2,4-Trichlorobenzene	U		0.000462	0.00119	1	04/02/2018 16:34	WG1092512
1,1,1-Trichloroethane	U		0.000341	0.00119	1	04/02/2018 16:34	WG1092512
1,1,2-Trichloroethane	U		0.000330	0.00119	1	04/02/2018 16:34	WG1092512
Trichloroethene	0.00173		0.000332	0.00119	1	04/04/2018 15:04	WG1092512
Trichlorofluoromethane	U		0.000455	0.00596	1	04/02/2018 16:34	WG1092512
1,2,3-Trichloropropane	U		0.000883	0.00298	1	04/02/2018 16:34	WG1092512
1,2,4-Trimethylbenzene	U		0.000251	0.00119	1	04/02/2018 16:34	WG1092512
1,2,3-Trimethylbenzene	U		0.000342	0.00119	1	04/02/2018 16:34	WG1092512
1,3,5-Trimethylbenzene	U		0.000317	0.00119	1	04/02/2018 16:34	WG1092512
Vinyl acetate	U		0.00285	0.0119	1	04/02/2018 16:34	WG1092512
Vinyl chloride	U		0.000347	0.00119	1	04/02/2018 16:34	WG1092512
Xylenes, Total	U		0.000832	0.00357	1	04/02/2018 16:34	WG1092512
(S) Toluene-d8	*105*			*80.0-120*		*04/02/2018 16:34*	WG1092512
(S) Toluene-d8	*102*			*80.0-120*		*04/04/2018 15:04*	WG1092512
(S) Dibromofluoromethane	*102*			*74.0-131*		*04/02/2018 16:34*	WG1092512
(S) Dibromofluoromethane	*112*			*74.0-131*		*04/04/2018 15:04*	WG1092512
(S) 4-Bromofluorobenzene	*88.4*			*64.0-132*		*04/02/2018 16:34*	WG1092512
(S) 4-Bromofluorobenzene	*104*			*64.0-132*		*04/04/2018 15:04*	WG1092512

JC 4/25/18

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	82.3		1	04/05/2018 15:47	WG1094166

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg		Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U	UJ	J0 J4	0.0121	0.0607	1	04/02/2018 16:54	WG1092512
Acrylonitrile	U			0.00217	0.0121	1	04/02/2018 16:54	WG1092512
Benzene	U			0.000328	0.00121	1	04/02/2018 16:54	WG1092512
Bromobenzene	U			0.000345	0.00121	1	04/02/2018 16:54	WG1092512
Bromodichloromethane	U	UJ	J0	0.000309	0.00121	1	04/02/2018 16:54	WG1092512
Bromochloromethane	U			0.000474	0.00607	1	04/02/2018 16:54	WG1092512
Bromoform	U	UJ	J0 J4	0.000515	0.00121	1	04/02/2018 16:54	WG1092512
Bromomethane	U			0.00163	0.00607	1	04/02/2018 16:54	WG1092512
n-Butylbenzene	U			0.000313	0.00121	1	04/02/2018 16:54	WG1092512
sec-Butylbenzene	U			0.000244	0.00121	1	04/02/2018 16:54	WG1092512
tert-Butylbenzene	U			0.000250	0.00121	1	04/02/2018 16:54	WG1092512
Carbon disulfide	0.000471	J	J J0	0.000268	0.00121	1	04/02/2018 16:54	WG1092512
Carbon tetrachloride	U			0.000398	0.00121	1	04/02/2018 16:54	WG1092512
Chlorobenzene	U			0.000258	0.00121	1	04/02/2018 16:54	WG1092512
Chlorodibromomethane	U			0.000453	0.00121	1	04/02/2018 16:54	WG1092512
Chloroethane	U			0.00115	0.00607	1	04/02/2018 16:54	WG1092512
Chloroform	U			0.000278	0.00607	1	04/02/2018 16:54	WG1092512
Chloromethane	U			0.000455	0.00304	1	04/02/2018 16:54	WG1092512
2-Chlorotoluene	U			0.000366	0.00121	1	04/02/2018 16:54	WG1092512
4-Chlorotoluene	U			0.000292	0.00121	1	04/02/2018 16:54	WG1092512
1,2-Dibromo-3-Chloropropane	U			0.00128	0.00607	1	04/02/2018 16:54	WG1092512
1,2-Dibromoethane	U			0.000417	0.00121	1	04/02/2018 16:54	WG1092512
Dibromomethane	U			0.000464	0.00121	1	04/02/2018 16:54	WG1092512
1,2-Dichlorobenzene	U			0.000370	0.00121	1	04/02/2018 16:54	WG1092512
1,3-Dichlorobenzene	U			0.000290	0.00121	1	04/02/2018 16:54	WG1092512
1,4-Dichlorobenzene	U			0.000275	0.00121	1	04/02/2018 16:54	WG1092512
Dichlorodifluoromethane	U	UJ	J0	0.000866	0.00607	1	04/02/2018 16:54	WG1092512
1,1-Dichloroethane	U			0.000242	0.00121	1	04/02/2018 16:54	WG1092512
1,2-Dichloroethane	U			0.000322	0.00121	1	04/02/2018 16:54	WG1092512
1,1-Dichloroethene	U			0.000368	0.00121	1	04/02/2018 16:54	WG1092512
cis-1,2-Dichloroethene	0.00775			0.000285	0.00121	1	04/02/2018 16:54	WG1092512
trans-1,2-Dichloroethene	U			0.000321	0.00121	1	04/02/2018 16:54	WG1092512
1,2-Dichloropropane	U			0.000435	0.00121	1	04/02/2018 16:54	WG1092512
1,1-Dichloropropene	U			0.000385	0.00121	1	04/02/2018 16:54	WG1092512
1,3-Dichloropropane	U			0.000251	0.00121	1	04/02/2018 16:54	WG1092512
cis-1,3-Dichloropropene	U			0.000318	0.00121	1	04/02/2018 16:54	WG1092512
trans-1,3-Dichloropropene	U			0.000324	0.00121	1	04/02/2018 16:54	WG1092512
trans-1,4-Dichloro-2-butene	U			0.000945	0.00304	1	04/02/2018 16:54	WG1092512
2,2-Dichloropropane	U			0.000339	0.00121	1	04/02/2018 16:54	WG1092512
Di-isopropyl ether	U			0.000301	0.00121	1	04/02/2018 16:54	WG1092512
Ethylbenzene	U			0.000361	0.00121	1	04/02/2018 16:54	WG1092512
Hexachloro-1,3-butadiene	U			0.000415	0.00121	1	04/02/2018 16:54	WG1092512
2-Hexanone	U			0.00166	0.0121	1	04/02/2018 16:54	WG1092512
n-Hexane	U			0.000352	0.0121	1	04/02/2018 16:54	WG1092512
Iodomethane	U			0.00307	0.0121	1	04/02/2018 16:54	WG1092512
Isopropylbenzene	U			0.000295	0.00121	1	04/02/2018 16:54	WG1092512
p-Isopropyltoluene	U			0.000248	0.00121	1	04/02/2018 16:54	WG1092512
2-Butanone (MEK)	U	UJ	J0	0.00568	0.0121	1	04/02/2018 16:54	WG1092512
Methylene Chloride	U			0.00121	0.00607	1	04/02/2018 16:54	WG1092512
4-Methyl-2-pentanone (MIBK)	U			0.00228	0.0121	1	04/02/2018 16:54	WG1092512

JC 4/25/18

B-243-80

SAMPLE RESULTS - 06

Collected date/time: 03/29/18 15:30

L982194

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000258	0.00121	1	04/02/2018 16:54	WG1092512
Naphthalene	U		0.00121	0.00607	1	04/02/2018 16:54	WG1092512
n-Propylbenzene	U		0.000250	0.00121	1	04/02/2018 16:54	WG1092512
Styrene	U		0.000284	0.00121	1	04/02/2018 16:54	WG1092512
1,1,1,2-Tetrachloroethane	U		0.000321	0.00121	1	04/02/2018 16:54	WG1092512
1,1,2,2-Tetrachloroethane	U		0.000443	0.00121	1	04/02/2018 16:54	WG1092512
1,1,2-Trichlorotrifluoroethane	U		0.000443	0.00121	1	04/02/2018 16:54	WG1092512
Tetrachloroethene	0.0300		0.000335	0.00121	1	04/02/2018 16:54	WG1092512
Toluene	U		0.000527	0.00607	1	04/02/2018 16:54	WG1092512
1,2,3-Trichlorobenzene	U		0.000372	0.00121	1	04/02/2018 16:54	WG1092512
1,2,4-Trichlorobenzene	U		0.000471	0.00121	1	04/02/2018 16:54	WG1092512
1,1,1-Trichloroethane	U		0.000347	0.00121	1	04/02/2018 16:54	WG1092512
1,1,2-Trichloroethane	U		0.000336	0.00121	1	04/02/2018 16:54	WG1092512
Trichloroethene	0.00253		0.000339	0.00121	1	04/02/2018 16:54	WG1092512
Trichlorofluoromethane	U		0.000464	0.00607	1	04/02/2018 16:54	WG1092512
1,2,3-Trichloropropane	U		0.000900	0.00304	1	04/02/2018 16:54	WG1092512
1,2,4-Trimethylbenzene	U		0.000256	0.00121	1	04/02/2018 16:54	WG1092512
1,2,3-Trimethylbenzene	U		0.000349	0.00121	1	04/02/2018 16:54	WG1092512
1,3,5-Trimethylbenzene	U		0.000323	0.00121	1	04/02/2018 16:54	WG1092512
Vinyl acetate	U		0.00290	0.0121	1	04/02/2018 16:54	WG1092512
Vinyl chloride	0.000385 J	J	0.000353	0.00121	1	04/02/2018 16:54	WG1092512
Xylenes, Total	U		0.000848	0.00364	1	04/02/2018 16:54	WG1092512
(S) Toluene-d8	*105*			*80.0-120*		*04/02/2018 16:54*	WG1092512
(S) Dibromofluoromethane	*102*			*74.0-131*		*04/02/2018 16:54*	WG1092512
(S) 4-Bromofluorobenzene	*89.3*			*64.0-132*		*04/02/2018 16:54*	WG1092512

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

JC 4/25/18

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	88.4		1	04/05/2018 15:47	WG1094166

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg		Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch	
Acetone	U	UJ	J0 J4	0.0113	0.0566	1	04/02/2018 17:13	WG1092512	
Acrylonitrile	U			0.00202	0.0113	1	04/02/2018 17:13	WG1092512	
Benzene	U			0.000305	0.00113	1	04/02/2018 17:13	WG1092512	
Bromobenzene	U			0.000321	0.00113	1	04/02/2018 17:13	WG1092512	
Bromodichloromethane	U	UJ	J0	0.000287	0.00113	1	04/02/2018 17:13	WG1092512	
Bromochloromethane	U			0.000441	0.00566	1	04/02/2018 17:13	WG1092512	
Bromoform	U	UJ	J0 J4	0.000480	0.00113	1	04/02/2018 17:13	WG1092512	
Bromomethane	U			0.00152	0.00566	1	04/02/2018 17:13	WG1092512	
n-Butylbenzene	U			0.000292	0.00113	1	04/02/2018 17:13	WG1092512	
sec-Butylbenzene	U			0.000227	0.00113	1	04/02/2018 17:13	WG1092512	
tert-Butylbenzene	U			0.000233	0.00113	1	04/02/2018 17:13	WG1092512	
Carbon disulfide	0.00351	J	J0	0.000250	0.00113	1	04/02/2018 17:13	WG1092512	
Carbon tetrachloride	U			0.000371	0.00113	1	04/02/2018 17:13	WG1092512	
Chlorobenzene	U			0.000240	0.00113	1	04/02/2018 17:13	WG1092512	
Chlorodibromomethane	U			0.000422	0.00113	1	04/02/2018 17:13	WG1092512	
Chloroethane	U			0.00107	0.00566	1	04/02/2018 17:13	WG1092512	
Chloroform	U			0.000259	0.00566	1	04/02/2018 17:13	WG1092512	
Chloromethane	U			0.000424	0.00283	1	04/02/2018 17:13	WG1092512	
2-Chlorotoluene	U			0.000340	0.00113	1	04/02/2018 17:13	WG1092512	
4-Chlorotoluene	U			0.000271	0.00113	1	04/02/2018 17:13	WG1092512	
1,2-Dibromo-3-Chloropropane	U			0.00119	0.00566	1	04/02/2018 17:13	WG1092512	
1,2-Dibromoethane	U			0.000388	0.00113	1	04/02/2018 17:13	WG1092512	
Dibromomethane	U			0.000432	0.00113	1	04/02/2018 17:13	WG1092512	
1,2-Dichlorobenzene	U			0.000345	0.00113	1	04/02/2018 17:13	WG1092512	
1,3-Dichlorobenzene	U			0.000270	0.00113	1	04/02/2018 17:13	WG1092512	
1,4-Dichlorobenzene	U			0.000256	0.00113	1	04/02/2018 17:13	WG1092512	
Dichlorodifluoromethane	U	UJ	J0	0.000807	0.00566	1	04/02/2018 17:13	WG1092512	
1,1-Dichloroethane	U			0.000225	0.00113	1	04/02/2018 17:13	WG1092512	
1,2-Dichloroethane	U			0.000300	0.00113	1	04/02/2018 17:13	WG1092512	
1,1-Dichloroethene	0.0530	J		0.000343	0.00113	1	04/02/2018 17:13	WG1092512	
cis-1,2-Dichloroethene	15.9			0.266	1.13	1000	04/04/2018 18:44	WG1092512	
trans-1,2-Dichloroethene	0.0113			0.000299	0.00113	1	04/02/2018 17:13	WG1092512	
1,2-Dichloropropane	U			0.000405	0.00113	1	04/02/2018 17:13	WG1092512	
1,1-Dichloropropene	U			0.000359	0.00113	1	04/02/2018 17:13	WG1092512	
1,3-Dichloropropane	U			0.000234	0.00113	1	04/02/2018 17:13	WG1092512	
cis-1,3-Dichloropropene	U			0.000296	0.00113	1	04/02/2018 17:13	WG1092512	
trans-1,3-Dichloropropene	U			0.000302	0.00113	1	04/02/2018 17:13	WG1092512	
trans-1,4-Dichloro-2-butene	U			0.000880	0.00283	1	04/02/2018 17:13	WG1092512	
2,2-Dichloropropane	U			0.000316	0.00113	1	04/02/2018 17:13	WG1092512	JC 4/25/18
Di-isopropyl ether	U			0.000281	0.00113	1	04/02/2018 17:13	WG1092512	
Ethylbenzene	U			0.000336	0.00113	1	04/02/2018 17:13	WG1092512	
Hexachloro-1,3-butadiene	U			0.000387	0.00113	1	04/02/2018 17:13	WG1092512	
2-Hexanone	U			0.00155	0.0113	1	04/02/2018 17:13	WG1092512	
n-Hexane	0.000343	J	J	0.000328	0.0113	1	04/02/2018 17:13	WG1092512	
Iodomethane	U			0.00286	0.0113	1	04/02/2018 17:13	WG1092512	
Isopropylbenzene	U			0.000275	0.00113	1	04/02/2018 17:13	WG1092512	
p-Isopropyltoluene	U			0.000231	0.00113	1	04/02/2018 17:13	WG1092512	
2-Butanone (MEK)	U	UJ	J0	0.00529	0.0113	1	04/02/2018 17:13	WG1092512	
Methylene Chloride	U			0.00113	0.00566	1	04/02/2018 17:13	WG1092512	
4-Methyl-2-pentanone (MIBK)	U			0.00213	0.0113	1	04/02/2018 17:13	WG1092512	

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000240	0.00113	1	04/02/2018 17:13	WG1092512
Naphthalene	U		0.00113	0.00566	1	04/02/2018 17:13	WG1092512
n-Propylbenzene	U		0.000233	0.00113	1	04/02/2018 17:13	WG1092512
Styrene	U		0.000265	0.00113	1	04/02/2018 17:13	WG1092512
1,1,1,2-Tetrachloroethane	U		0.000299	0.00113	1	04/02/2018 17:13	WG1092512
1,1,2,2-Tetrachloroethane	U		0.000413	0.00113	1	04/02/2018 17:13	WG1092512
1,1,2-Trichlorotrifluoroethane	U		0.000413	0.00113	1	04/02/2018 17:13	WG1092512
Tetrachloroethene	41.0 J		0.312	1.13	1000	04/04/2018 18:44	WG1092512
Toluene	0.000500 J	J	0.000491	0.00566	1	04/02/2018 17:13	WG1092512
1,2,3-Trichlorobenzene	U		0.000346	0.00113	1	04/02/2018 17:13	WG1092512
1,2,4-Trichlorobenzene	U		0.000439	0.00113	1	04/02/2018 17:13	WG1092512
1,1,1-Trichloroethane	U		0.000324	0.00113	1	04/02/2018 17:13	WG1092512
1,1,2-Trichloroethane	U		0.000313	0.00113	1	04/02/2018 17:13	WG1092512
Trichloroethene	6.18		0.316	1.13	1000	04/04/2018 18:44	WG1092512
Trichlorofluoromethane	U		0.000432	0.00566	1	04/02/2018 17:13	WG1092512
1,2,3-Trichloropropane	U		0.000838	0.00283	1	04/02/2018 17:13	WG1092512
1,2,4-Trimethylbenzene	U		0.000239	0.00113	1	04/02/2018 17:13	WG1092512
1,2,3-Trimethylbenzene	U		0.000325	0.00113	1	04/02/2018 17:13	WG1092512
1,3,5-Trimethylbenzene	U		0.000301	0.00113	1	04/02/2018 17:13	WG1092512
Vinyl acetate	U		0.00270	0.0113	1	04/02/2018 17:13	WG1092512
Vinyl chloride	0.404 J	J	0.329	1.13	1000	04/04/2018 18:44	WG1092512
Xylenes, Total	U		0.000790	0.00339	1	04/02/2018 17:13	WG1092512
(S) Toluene-d8	*109*			*80.0-120*		*04/02/2018 17:13*	WG1092512
(S) Toluene-d8	*112*			*80.0-120*		*04/04/2018 18:44*	WG1092512
(S) Dibromofluoromethane	*101*			*74.0-131*		*04/02/2018 17:13*	WG1092512
(S) Dibromofluoromethane	*105*			*74.0-131*		*04/04/2018 18:44*	WG1092512
(S) 4-Bromofluorobenzene	*95.2*			*64.0-132*		*04/02/2018 17:13*	WG1092512
(S) 4-Bromofluorobenzene	*101*			*64.0-132*		*04/04/2018 18:44*	WG1092512

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1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260C

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	ug/l		ug/l	ug/l		date / time	
Acetone	6.89	J	1.05	25.0	1	04/04/2018 18:08	WG1093696
Acrylonitrile	U		0.873	5.00	1	04/04/2018 18:08	WG1093696
Benzene	U		0.0896	0.500	1	04/04/2018 18:08	WG1093696
Bromobenzene	U		0.133	0.500	1	04/04/2018 18:08	WG1093696
Bromodichloromethane	U		0.0800	0.500	1	04/04/2018 18:08	WG1093696
Bromochloromethane	U		0.145	0.500	1	04/04/2018 18:08	WG1093696
Bromoform	U		0.186	0.500	1	04/04/2018 18:08	WG1093696
Bromomethane	U		0.157	2.50	1	04/04/2018 18:08	WG1093696
n-Butylbenzene	U		0.143	0.500	1	04/04/2018 18:08	WG1093696
sec-Butylbenzene	U		0.134	0.500	1	04/04/2018 18:08	WG1093696
tert-Butylbenzene	U		0.183	0.500	1	04/04/2018 18:08	WG1093696
Carbon disulfide	U		0.101	0.500	1	04/04/2018 18:08	WG1093696
Carbon tetrachloride	U		0.159	0.500	1	04/04/2018 18:08	WG1093696
Chlorobenzene	U		0.140	0.500	1	04/04/2018 18:08	WG1093696
Chlorodibromomethane	U		0.128	0.500	1	04/04/2018 18:08	WG1093696
Chloroethane	U		0.141	2.50	1	04/04/2018 18:08	WG1093696
Chloroform	U		0.0860	0.500	1	04/04/2018 18:08	WG1093696
Chloromethane	U		0.153	1.25	1	04/04/2018 18:08	WG1093696
2-Chlorotoluene	U		0.111	0.500	1	04/04/2018 18:08	WG1093696
4-Chlorotoluene	U		0.0972	0.500	1	04/04/2018 18:08	WG1093696
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/04/2018 18:08	WG1093696
1,2-Dibromoethane	U		0.193	0.500	1	04/04/2018 18:08	WG1093696
Dibromomethane	U		0.117	0.500	1	04/04/2018 18:08	WG1093696
1,2-Dichlorobenzene	U		0.101	0.500	1	04/04/2018 18:08	WG1093696
1,3-Dichlorobenzene	U		0.130	0.500	1	04/04/2018 18:08	WG1093696
1,4-Dichlorobenzene	U		0.121	0.500	1	04/04/2018 18:08	WG1093696
Dichlorodifluoromethane	U		0.127	2.50	1	04/04/2018 18:08	WG1093696
1,1-Dichloroethane	U		0.114	0.500	1	04/04/2018 18:08	WG1093696
1,2-Dichloroethane	U		0.108	0.500	1	04/04/2018 18:08	WG1093696
1,1-Dichloroethene	U		0.188	0.500	1	04/04/2018 18:08	WG1093696
cis-1,2-Dichloroethene	0.163	J	0.0933	0.500	1	04/04/2018 18:08	WG1093696
trans-1,2-Dichloroethene	U		0.152	0.500	1	04/04/2018 18:08	WG1093696
1,2-Dichloropropane	U		0.190	0.500	1	04/04/2018 18:08	WG1093696
1,1-Dichloropropene	U		0.128	0.500	1	04/04/2018 18:08	WG1093696
1,3-Dichloropropane	U		0.147	1.00	1	04/04/2018 18:08	WG1093696
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/04/2018 18:08	WG1093696
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/04/2018 18:08	WG1093696
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/04/2018 18:08	WG1093696
2,2-Dichloropropane	U		0.0929	0.500	1	04/04/2018 18:08	WG1093696
Di-isopropyl ether	U		0.0924	0.500	1	04/04/2018 18:08	WG1093696
Ethylbenzene	U		0.158	0.500	1	04/04/2018 18:08	WG1093696
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/04/2018 18:08	WG1093696
2-Hexanone	U		0.757	5.00	1	04/04/2018 18:08	WG1093696
n-Hexane	U		0.305	5.00	1	04/04/2018 18:08	WG1093696
Iodomethane	U		0.377	10.0	1	04/04/2018 18:08	WG1093696
Isopropylbenzene	U		0.126	0.500	1	04/04/2018 18:08	WG1093696
p-Isopropyltoluene	U		0.138	0.500	1	04/04/2018 18:08	WG1093696
2-Butanone (MEK)	U		1.28	5.00	1	04/04/2018 18:08	WG1093696
Methylene Chloride	U		1.07	2.50	1	04/04/2018 18:08	WG1093696
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/04/2018 18:08	WG1093696
Methyl tert-butyl ether	U		0.102	0.500	1	04/04/2018 18:08	WG1093696
Naphthalene	U		0.174	2.50	1	04/04/2018 18:08	WG1093696
n-Propylbenzene	U		0.162	0.500	1	04/04/2018 18:08	WG1093696
Styrene	U		0.117	0.500	1	04/04/2018 18:08	WG1093696
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/04/2018 18:08	WG1093696
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/04/2018 18:08	WG1093696

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Volatile Organic Compounds (GC/MS) by Method 8260C

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/04/2018 18:08	WG1093696
Tetrachloroethene	U		0.199	0.500	1	04/04/2018 18:08	WG1093696
Toluene	U		0.412	0.500	1	04/04/2018 18:08	WG1093696
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/04/2018 18:08	WG1093696
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/04/2018 18:08	WG1093696
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/04/2018 18:08	WG1093696
1,1,2-Trichloroethane	U		0.186	0.500	1	04/04/2018 18:08	WG1093696
Trichloroethene	U		0.153	0.500	1	04/04/2018 18:08	WG1093696
Trichlorofluoromethane	U		0.130	2.50	1	04/04/2018 18:08	WG1093696
1,2,3-Trichloropropane	U		0.247	2.50	1	04/04/2018 18:08	WG1093696
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/04/2018 18:08	WG1093696
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/04/2018 18:08	WG1093696
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/04/2018 18:08	WG1093696
Vinyl acetate	U		0.645	5.00	1	04/04/2018 18:08	WG1093696
Vinyl chloride	U		0.118	0.500	1	04/04/2018 18:08	WG1093696
Xylenes, Total	U		0.316	1.50	1	04/04/2018 18:08	WG1093696
(S) Toluene-d8	*99.2*			*80.0-120*		*04/04/2018 18:08*	WG1093696
(S) Dibromofluoromethane	*94.7*			*76.0-123*		*04/04/2018 18:08*	WG1093696
(S) 4-Bromofluorobenzene	*99.4*			*80.0-120*		*04/04/2018 18:08*	WG1093696

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